989

National Data Book and
Guide to Sources

STATISTICAL ABSTRACT OF THE UNITED STATES 1989

109th Edition

U.S. DEPARTMENT
OF COMMERCE

BUREAU OF
THE CENSUS

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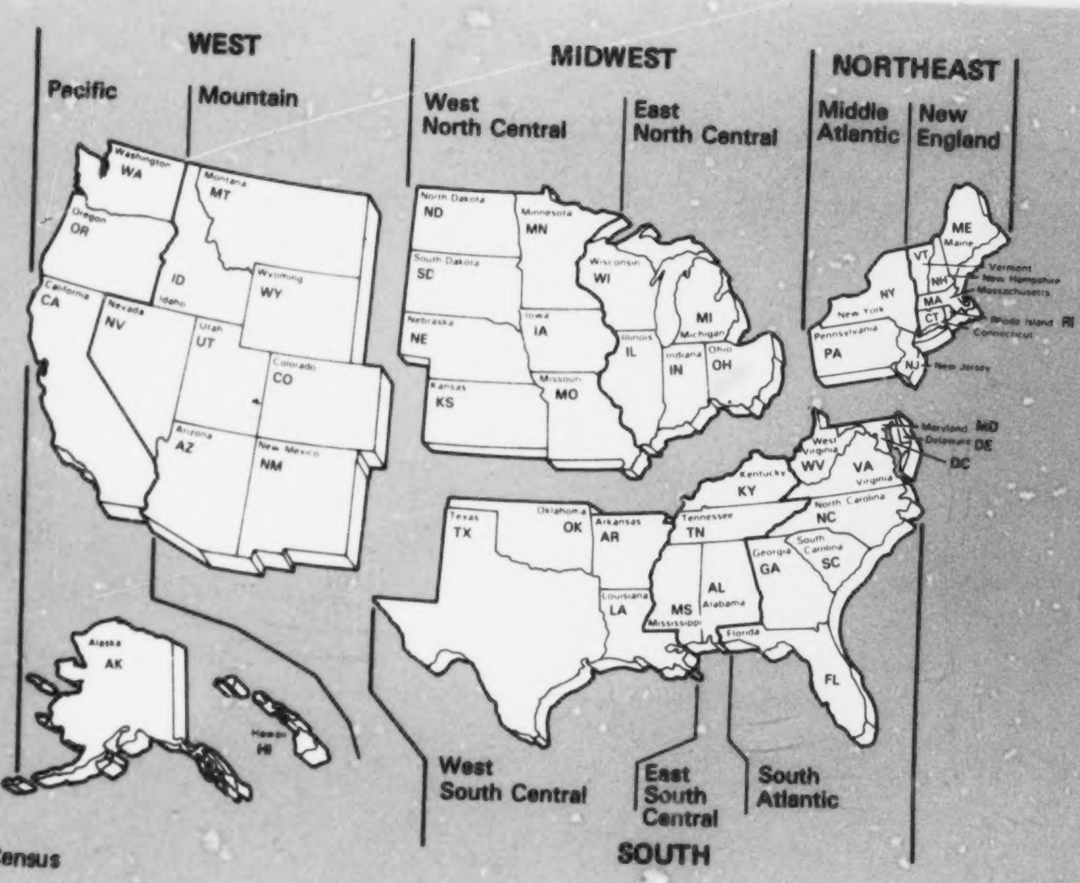
Figure I.

Map of the U.S., Showing Census Divisions and Regions


WEST
Pacific
Mountain
MIDWEST
West North Central
East North Central
NORTHEAST
Middle Atlantic
New England
West South Central
East South Central
South Atlantic
SOUTH
Washington WA
Oregon OR
California CA
Nevada NV
Idaho ID
Montana MT
Wyoming WY
Utah UT
Colorado CO
Arizona AZ
New Mexico NM
Alaska AK
Hawaii HI
North Dakota ND
South Dakota SD
Nebraska NE
Kansas KS
Minnesota MN
Iowa IA
Missouri MO
Wisconsin WI
Illinois IL
Michigan MI
Indiana IN
Ohio OH
New York NY
Pennsylvania PA
New Jersey NJ
Maine ME
Vermont VT
New Hampshire NH
Massachusetts MA
Rhode Island RI
Connecticut CT
Maryland MD
Delaware DE
DC
West Virginia WV
Virginia VA
Kentucky KY
Tennessee TN
North Carolina NC
South Carolina SC
Georgia GA
Florida FL
Alabama AL
Mississippi MS
Texas TX
Oklahoma OK
Arkansas AR
Louisiana LA

Source: U.S. Bureau of the Census

FEATURES

Weights and measures *p. xii*
Guide to tabular presentation *p. xiii*
Selected State rankings *p. xv*
Telephone contacts *p. xxv*
Explanation and source references *In each section*
Source notes *Below each table*
Guide to sources of statistics *p. 845*
Guide to State statistical abstracts *p. 883*
Guide to foreign statistical abstracts *p. 888*
Metropolitan area concepts and components *p. 890*
Reliability of data *p. 900*
Index by subject *p. 920*

National Data Book
and Guide to Sources

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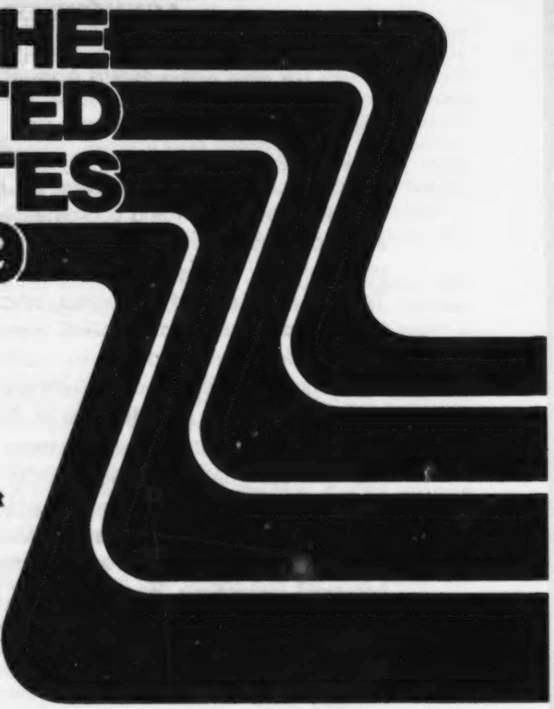

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ACKNOWLEDGMENTS

109th Annual Edition

Glenn W. King, Chief, Statistical Compendia Staff, was responsible for general supervision and compilation of this volume under the direction of **Marie Argana. Lars B. Johanson** was responsible for technical supervision and coordination. Assisting in the research and analytical phases of assigned sections and in the developmental aspects of new tables were **Rosemary E. Clark, Rachael LaPorte-Tomcik** and **Edward C. Jagers,** who was also responsible for content and preparation of graphics. **Geraldine W. Blackburn** and **Pauline G. Oden** provided primary editorial assistance. Other editorial assistance was rendered by **Georgia E. Braley, Alice Novy, Dolores M. Roberson,** and **Marjorie M. Sproesser.**

The cooperation of many contributors to this volume is gratefully acknowledged. The source note below each table credits the various government and private agencies which have collaborated in furnishing information for the **Statistical Abstract.** In a few instances, contributors have requested that their data be designated as subject to copyright restrictions, as indicated in the source notes to the tables affected. Permission to use copyright material should be obtained directly from the copyright owner.

January 1989

Library of Congress Card No. 4-18089

SUGGESTED CITATION

U.S. Bureau of the Census, *Statistical Abstract of the United States: 1989* (109th edition.) Washington, DC, 1989

For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, Tel. (202) 783-3238.

Preface

The *Statistical Abstract of the United States,* published since 1878, is the standard summary of tatistics on the social, political, and economic organization of the United States. It is designed to erve as a convenient volume for statistical reference and as a guide to other statistical publicaions and sources. The latter function is served by the introductory text to each section, the source ote appearing below each table, and Appendix I, which comprises the Guide to Sources of Statisics, the Guide to State Statistical Abstracts and the Guide to Foreign Statistical Abstracts.

This volume includes a selection of data from many statistical publications, both governmental and private. Publications cited as sources usually contain additional statistical detail and more comprehensive discussions of definitions and concepts than can be presented here. Data not available n publications issued by the contributing agency but obtained from unpublished records are identiied in the source notes as "unpublished data." More information on the subjects covered in tables so noted may generally be obtained from the source.

Except as indicated, figures are for the United States as presently constituted. Although emphasis in the *Statistical Abstract* is given primarily to national data, many tables present data for regions and individual States and a smaller number for metropolitan areas and cities. Appendix II, Metropolitan Area Concepts and Components, presents explanatory text, a complete current listing and population data for metropolitan statistical areas (MSA's) the primary metropolitan statistical areas (PMSA's), and the consolidated metropolitan statistical areas (CMSA's). Table 36 in section 1 presents selected population characteristics for MSA's with population of 250,000 or more. Statistics for the Commonwealth of Puerto Rico and for outlying areas of the United States are included in many State tables and are supplemented by information in section 30. Additional information for States, cities, counties, metropolitan areas, and other small units, as well as more historical data, are available in various supplements to the *Abstract* (see inside back cover).

USA Statistics in Brief, 1989, the pocket size loose insert in front of the book, is available separately. Price and ordering information can be obtained from U.S. Bureau of the Census, Customer Services, Washington, DC 20233. A 25 percent discount will be allowed on orders of 100 copies or more sent to the same address.

Changes in this edition.—We have expanded largely our presentation of data on certain subjects, including marriage and divorce, AIDS, and housing. New areas covered are age differences of bride and groom; divorce rates by sex and age; State government appropriations for AIDS; mortgage characteristics by characteristics of householder; and home improvements and repairs. In addition, a special effort has been made to include results of the 1988 presidential election in section 8. Results from the 1987 economic census will appear in the 1990 *Statistical Abstract.* We have restructured the Table of Contents to emphasize all new tables introduced in this edition. Each Abstract subject section shows title, table number and page number of all new tables. In all, there are 106 new tables distributed among 27 of the 31 sections. In addition, we have designed a new appendix to indicate tables in the 1988 edition which have been omitted from this 1989 edition. Appendix V lists, by Abstract section, the table title, table number and page number of the 81 omitted tables. These omissions represent primarily tables for which comparable details appear in other tables or for which no recent data are available, or tables for which the subject matter shown was considered relatively less important in light of space requirements for presentation. Again this year the index, beginning on page 920, has undergone considerable review. The review and consequent revisions have been geared toward industry data. A core set of entries by industry (e.g., employees, foreign trade, producer prices) was developed to provide more consistency among the industry entries. In addition, the number of entries under "Rankings" has been increased.

Inserted in this edition is the sixth user questionnaire survey that has been taken periodically to enable us to obtain your suggestions on various aspects of the *Abstract.* Your input will enable us to keep the *Abstract* useful to you as a data user. If the questionnaire is no longer in this publication, you may obtain one by writing U.S. Bureau of the Census, Statistical Compendia Staff, DUSD, Washington, DC 20233.

Preface

Statistics in this edition are generally for the most recent year or period available by October 1988. Each year almost 1,500 tables and charts are reviewed and evaluated; new tables and charts of current interest are added, continuing series are updated, and less timely data are condensed or eliminated. Text notes and appendixes are revised as appropriate.

Historical statistics.—Specific headnote references in this *Abstract* link many tables to earlier data shown in *Historical Statistics of the United States, Colonial Times to 1970.* (See Appendix IV, pp. 915 and 916.)

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in the *State and Metropolitan Area Data Book, 1986.*

Statistical reliability and responsibility.—The contents of this volume were taken from many sources. All data from either censuses and surveys or from administrative records are subject to error arising from a number of factors: Sampling variability (for statistics based on samples), reporting errors in the data for individual units, incomplete coverage, nonresponse, imputations, and processing error. (See also Appendix III, pp. 900–914.) The Bureau of the Census cannot accept the responsibility for the accuracy or limitations of the data presented here, other than for those which it collects. The responsibility for selection of the material and for proper presentation, however, rests with the Bureau.

For additional information on data presented.—Please consult the source publications available in local libraries or write to the agencies indicated in the source notes. Write to the Bureau of the Census only if it is cited as the source.

Suggestions and comments.—Users of the *Statistical Abstract* and its supplements (see inside back cover) are urged to make their data needs known for consideration in planning future editions. Suggestions and comments for improving coverage and presentation of data should be sent to the Director, U.S. Bureau of the Census, Washington, DC 20233.

Contents and New Table Guide

New table number		Page number
	Fig. 1. Map of the U.S. showing census divisions and regions	Inside front cover
	Weights and measures	ix
	Guide to tabular presentation	x
	Selected State rankings	xv
	Telephone contacts	xxv
	Sec. 1. **POPULATION**	1
	Figs. 1.1, 1.2. Components of population change; State population—percent change	6
11	Immigrants Admitted, by Selected States of Residence and Country of Birth: 1987	12
14	Projections of Total Population: 1988 to 2025	14
24	Annual Inmigration, Outmigration, and Net Migration for Regions, 1980 to 1987, and Movement Between Regions, 1986–1987	20
28	Projections of the Population 18 Years Old and Over, by Race and Hispanic Origin—States: 1988	23
37	Metropolitan Statistical Areas—Net Migration, 1980 to 1987, and Percent of Population in Central Cities, 1986	32
45	Social and Economic Characteristics of the Asian, Pacific Islander, American Indian, Eskimo and Aleut Populations: 1980	39
48	Population by Selected Ancestry Group and Region: 1980	41
	Sec. 2. **VITAL STATISTICS**	56
	Figs. 2.1, 2.2. Birth and death rates; Death rates, by cause	58
	Fig. 2.3. Marriage rates by previous marital status	86
84	Live Births and Deaths—20 Largest Metropolitan Areas: 1986	61
118	Deaths, by Selected Cause and Selected Characteristics: 1986	79
128	Percent Distribution of Marriages, by Age, Sex, and Previous Marital Status: 1975 to 1985	85
130	Marriage Rates and Median Age of Bride and Groom, by Previous Marital Status: 1970 to 1985	86
131	Marriages—Age Differences of Bride and Groom, by Age: 1985	87
132	Divorces and Annulments—Median Duration of Marriage, Median Age at Divorce, and Children Involved: 1970 to 1985	87
133	Divorces and Annulments—Rate and Percent Distribution, by Sex and Age: 1985	87
	Sec. 3. **HEALTH AND NUTRITION**	89
	Figs. 3.1, 3.2. National health expenditures; Indexes of medical care prices	91
	Fig. 3.3. AIDS patients	112
166	Organ Transplants and Grafts: 1981 to 1987	105
167	Patients Discharged From Hospitals—Principal Source of Expected Payment, by Selected Characteristic: 1986	106
171	Nursing Home Discharges, by Selected Characteristics: 1976 and 1985	108
173	Mental Retardation Facilities—Summary by Selected Characteristics: 1986	109
178	Selected Measures of Hospital Utilization for Patients Discharged With the Diagnosis of AIDS: 1984 to 1986	111
179	Hospital Discharges and Days of Care for Patients With AIDS, and All Patients, by Selected Characteristics: 1984–1986	112
181	AIDS Cases, Expenditures, and Appropriations, by Category and Leading States: 1984 to 1988	113
189	Women Who Knew How to do Breast Self-Examination and Women Who Had a Breast Examination or PAP Smear—Selected Characteristics: 1985	117

New table number		Page number
	Sec. 4. **EDUCATION**	123
208	Preprimary School Enrollment—Summary: 1972 to 1986	129
209	Preprimary School Enrollment, by Level of Enrollment and Status of Mother: 1972 and 1986	129
214	Years of School Completed by Sex, Race, and Hispanic Origin—15 Largest States: 1987	132
216	Highest Degree Earned, by Selected Characteristics: 1984	133
231	Computer Use by Students, Grades K-12—Selected Characteristics, by Place of Use: 1984	141
236	Private Schools Offering Special Programs, by Level and Affiliation: 1985	143
242	Enrollment Status of Persons 18 to 21 Years Old, by Race, Hispanic Origin, and Sex: 1975 and 1986	146
253	Computer Use by College Students—Selected Characteristics, by Place of Use: 1984	151
258	Undergraduate Students Receiving Financial Aid, by Source of Aid, Control and Level of Institution: 1986–1987	153
269	Total Graduate Student Enrollment and Degrees Conferred in Selected Fields, by Race/Ethnicity: 1984	158
271	Highest Degree Held and Mean Monthly Income and Earnings, Field of Degree by Level: 1984	159
	Sec. 5. **LAW ENFORCEMENT, COURTS, AND PRISONS**	162
	Figs. 5.1, 5.2. Crime rates; Prisoner population	162
298	Alien Amnesty Program—Aliens Applying for Temporary Residency, by Selected Characteristic of the Alien: 1987	175
313	Convictions in Federal Court for Federal White Collar and Related Crimes and Incarcerations, by Type of Offense: 1980 to 1985	181
314	Characteristics of Person Arrested for Federal Crimes, by Type of Offense: 1984–1985	182
319	State Prison Inmates—Selected Characteristics: 1979 and 1986	183
320	State Prison Inmates, by Criminal History and Selected Characteristics of the Inmate: 1986	184
	Sec. 6. **GEOGRAPHY AND ENVIRONMENT**	189
	Fig. 6.1. Territorial expansion	191
	Fig. 6.2. Hazardous waste sites	202
347	Metropolitan Areas Failing to Meet NAAQS for Carbon Monoxide—Number of Days Exceeding Standards: 1986 and 1987	201
348	Metropolitan Areas Failing to Meet NAAQS for Ozone—Number of Days Exceeding Standards: 1985 to 1987	201
350	Generation and Recovery of Selected Materials in Municipal Solid Waste: 1960 to 1986	203
	Sec. 7. **PARKS, RECREATION, AND TRAVEL**	217
	Sec. 8. **ELECTIONS**	238
	Figs. 8.1, 8.2. Popular vote cast for President; Political action committees	238
424	Congressional Staff, by Location of Employment: 1957 to 1987	252
435	Political Party Identification of the Adult Population, by Degree of Attachment: 1960 to 1986	258
439	Political Party Financial Activity, by Major Political Party: 1977–1978 to 1985–1986	261
	Sec. 9. **STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT**	264
	Figs. 9.1, 9.2. State and local government revenue, by source; State and local government expenditure, by sector	264
477	Number of Locally Assessed Taxable Real Property Parcels, and Gross Assessed Value, by Use: 1986	292
478	Gross Assessed Value of Property and Government Revenue from Property Taxes: 1971 to 1986	293
482	State and Local Government—Employee Benefits: 1987	295
	Sec. 10. **FEDERAL GOVERNMENT FINANCES AND EMPLOYMENT**	300
	Fig. 10.1. The Government of the United States	300
	Fig. 10.2. Federal Budget Surplus or Deficit	302
512	Federal Civilian Employment, by Branch, Agency, and Area: 1980 and 1987	318

New table number		Page number
	Sec. 11. **NATIONAL DEFENSE AND VETERANS AFFAIRS**	324
	Figs. 11.1, 11.2. Federal budget outlays for national defense; World military expenditures	324
	Fig. 11.3. Military contract awards	328
541	Active Duty Military Personnel—U.S./Soviet Union Summary: 1980 to 1987	334
542	Intercontinental Ballistic Missiles (ICBMs), Submarines, and Bombers—U.S. and Soviet Union Balance: 1980 to 1987	334
543	Department of Defense Manpower: 1950 to 1988	335
	Sec. 12. **SOCIAL INSURANCE AND HUMAN SERVICES**	343
	Fig. 12.1. Social welfare expenditures	345
582	Individual Retirement Accounts (IRA) Plans—Value, by Type of Holder: 1981 to 1987	356
606	Public Aid Recipients as Percent of Population, by State: 1980 and 1987	366
610	Child Support Enforcement Program—Caseload and Collections: 1980 to 1987	369
	Sec. 13. **LABOR FORCE, EMPLOYMENT AND EARNINGS**	373
627	Self-Employed Workers, by Selected Characteristics: 1970 to 1987	380
632	Work Schedules of Full-time Wage and Salary Workers, by Marital Status and Presence of Youngest Child, Occupation, and Industry: 1985	382
652	Range of Unemployment Measures Based on Varying Definitions of Unemployment and the Labor Force: 1967 to 1987	395
665	Average Annual Pay, by Selected Metropolitan Areas: 1985 to 1987	405
670	Employer Costs for Employee Compensation per Hour Worked, by Industry: 1988	409
673	Establishments Providing Child Care Benefits and/or Varied Work-Schedule Policies by Establishment Size and Sector: 1987	410
675	Workers Paid Hourly Rates With Earnings at or Below the Minimum Wage, by Selected Characteristics: 1987	411
	Sec. 14. **INCOME, EXPENDITURES, AND WEALTH**	417
	Fig. 14.1. Relation of GNP, national income, and personal income	418
	Fig. 14.2. Average annual expenditures of all consumer units	439
697	Gross State Products: 1980 to 1986	429
698	Gross State Product, by Industry: 1986	430
702	Total Personal Income and Personal Income per Capita for Selected Metropolitan Areas: 1984 to 1986	434
710	Average Annual and Weekly Expenditures of All Consumer Units: 1980 to 1986	439
741	Families Below Poverty Level and Below 125 Percent of Poverty Level, by Type: 1970 to 1986	456
	Sec. 15. **PRICES**	460
	Figs. 15.1, 15.2. Producer price indexes; Consumer price indexes	460
	Fig. 15.3. Median purchase price of existing one-family houses	478
757	Producer Price Indexes for the Net Output of Selected Industries: 1980 to 1987	468
	Sec. 16. **BANKING, FINANCE, AND INSURANCE**	482
	Figs. 16.1, 16.2. Interest rates; Consumer credit and mortgage debt	482
813	Mortgage and Consumer Debt Outstanding—Families With Debt by Tenure, Age, and Family Income: 1983 to 1986	499
816	Delinquency Rates on Bank Installment Loans by Type of Loan: 1970 to 1987	500
817	Credit Cards—Holders, Numbers, Spending and Debt: 1980 to 1987	500
827	Foreign Purchases and Sales of U.S. Securities, by Type of Security, 1980 to 1987, and by Selected Country, 1986 and 1987	505
828	United States Purchases and Sales of Foreign Stocks and Bonds, 1980 to 1987, and by Country, 1986 and 1987	505

New table number		Page number
	Sec. 17. **BUSINESS ENTERPRISE**	512
	Fig. 17.1. Establishments and employees, by size of establishment	512
	Fig. 17.2. Index of net business formation and business failure rate	512
845	Employment Growth by Major Industry from Alternative Sources: 1980 to 1986	514
861	Sources of Job Growth, by State: 1980–1986	524
865	Business Starts and Failures—Number and Rate, by Industry: 1985 to 1987	526
875	Patents, by Industry: 1970 to 1987	531
876	Patents, by State: 1987	531
886	500 Largest Industrial Corporations—Selected Financial Items: 1970 to 1987	537
	Sec. 18. **COMMUNICATIONS**	541
	Sec. 19. **ENERGY**	553
	Sec. 20. **SCIENCE**	575
979	Federal R&D Obligations to Selected Universities and Colleges: 1975 to 1986	580
	Sec. 21. **TRANSPORTATION—LAND**	587
1023	Licensed Drivers and Estimated Arrests for Driving Under the Influence, by Age: 1975 and 1986	600
1028	Household Vehicles: Annual Mileage, Fuel Consumption, and Fuel Expenditures: 1985	602
	Sec. 22. **TRANSPORTATION—AIR AND WATER**	609
1047	Consumer Complaints Against U.S. Airlines: 1986 to 1988	613
1048	Aircraft Accidents and Hijackings: 1970 to 1987	613
	Sec. 23. **AGRICULTURE**	623
	Figs. 23.1, 23.2. Net income of farm operators from farming; Corn, soybeans, and wheat—production and exports	625
1120	Agricultural Imports—Value by Selected Commodity, 1970 to 1987, and by Leading Countries of Origin, 1987	645
1139	Egg Production, Supply, and Use: 1983 to 1987	654
	Sec. 24. **FORESTS AND FISHERIES**	655
1144	Forest Land—Total and Timberland Area, Volume of Sawtimber, and Growing Stock, by State: 1987	658
1162	Fisheries—Domestic Catch and Value, by Selected Major U.S. Ports: 1983 to 1987	666
1165	Joint Venture Catches in the U.S. Exclusive Economic Zone (EEZ), by Species: 1984 to 1987	667
1167	U.S. Private Aquaculture—Production and Value: 1980 to 1986	668
	Sec. 25. **MINING AND MINERAL PRODUCTS**	670
	Figs. 25.1, 25.2. Crude petroleum and natural gas; U.S. mineral production	670
1188	U.S. Petroleum Balance: 1980 to 1987	681
1195	Coal Industry—Elements of Structural Change: 1976 and 1986	683

New table number — Page number

Sec. 26. **CONSTRUCTION AND HOUSING** 692
Figs. 26.1, 26.2. Existing and new houses sold; Recent home buyers 692
Fig. 26.3. New construction 694

1241 Housing Units—Summary of Characteristics and Equipment, by Tenure and Region: 1985 705
1242 Housing Units—Size of Units and Lot: 1985 706
1244 Occupied Housing Units—Tenure, by Selected Characteristics of the Unit and Householder: 1985 707
1245 Occupied Housing Units—Housing Value and Gross Rent: 1985 707
1246 Occupied Housing Units—Financial Summary, by Selected Characteristics of the Housing and Tenure: 1985 708
1247 Occupied Housing Units—Mortgage Characteristics, by Selected Characteristics of the Householder: 1985 708
1250 Occupied Housing Units—Housing Indicators, by Selected Characteristics of the Householder and Tenure: 1985 710
1251 Owner Occupied Housing Units—Home Improvements and Repairs, by Selected Characteristics of the Householder: 1985 710

Sec. 27. **MANUFACTURES** 716
Figs. 27.1, 27.2. Manufactures summary; Capital in manufacturing establishments 716

1311 Microcontrollers and Chip Shipments: 1982 to 1987 744

Sec. 28. **DOMESTIC TRADE AND SERVICES** 749
Fig. 28.1. National income originating in trade, services 750

1332 Retail Foodstores—Number and Sales, by Type: 1972 to 1987 756
1333 Supermarkets—Number and Sales, by Type of Format: 1980 to 1986 756
1335 Shopping Centers—Number, Gross Leasable Area, and Retail Sales, by Gross Leasable Area: 1986 and 1987 757
1336 Shopping Centers—Number, Gross Leasable Area, and Retail Sales, by State: 1987 757

Sec. 29. **FOREIGN COMMERCE AND AID** 769
Figs. 29.1, 29.2. U.S. foreign aid; U.S. international transaction balances 772

1370 U.S. Exports and General Imports, by State of Origin and Destination: 1987 786

Sec. 30. **OUTLYING AREAS** 798
Fig. 30.1. Selected outlying areas 798

Sec. 31. **COMPARATIVE INTERNATIONAL STATISTICS** 808
Fig. 31.1. World population 808

1427 Civilian Employment—Population Ratios, by Sex, and Females as Percent of Total Civilian Employment—Selected Countries: 1970 to 1987 829

APPENDIX I. Guide to sources of statistics 845
Guide to State statistical abstracts 883
Guide to Foreign statistical abstracts 888
APPENDIX II. Metropolitan area concepts and components 890
Population of metropolitan statistical areas 893
APPENDIX IIII. Statistical methodology and reliability 900
APPENDIX IV. Index to tables having *Historical Statistics, Colonial Times to 1970* series 915
APPENDIX V. Identification of tables deleted from 1988 Statistical Abstract 917
INDEX 920

Customary and Metric Weights and Measurements

APPROXIMATE CONVERSIONS

[For information regarding conversion, call or write the Office of Metric Programs, U.S. Department of Commerce, Washington, DC 20230 (202-377-3036)]

Customary			Metric	Metric			Customary
Inches (in)	×	25.400	= millimeters	Millimeters (mm)	×	.039	= inch
Feet (ft)	×	.305	= meters	Meters (m)	×	3.281	= feet
Yards (yd)	×	.914	= meters	Meters (m)	×	1.094	= yards
Miles (mi)	×	1.609	= kilometers	Kilometers (km)	×	.621	= mile
Square inches (in²)	×	6.452	= sq centimeters	Sq centimeters (cm²)	×	.155	= sq inch
Square feet (ft²)	×	.093	= sq meters	Square meters (m²)	×	10.764	= sq feet
Square yards (yd²)	×	.836	= sq meters	Square meters (m²)	×	1.196	= sq yards
Acres	×	.405	= hectares	Hectares (ha)	×	2.471	= acres
Cubic feet (ft³)	×	.028	= cu meters	Cu meters (m³)	×	35.315	= cu feet
Cord (cd)	×	3.625	= cu meters	Liters (l)	×	1.057	= quarts (lq)
Quarts (lq) (qt)	×	.946	= liter	Cu meters (m³)	×	264.172	= gallons
Gallons (gal)	×	.004	= cu meters	Grams (g)	×	.035	= ounce (avdp)
Ounces (avdp) (oz)	×	28.350	= grams	Kilograms (kg)	×	2.205	= pounds (avdp)
Pounds (avdp) (lb)	×	.454	= kilograms	Kilowatts (kW)	×	1.341	= horsepower
Horsepower (hp)	×	.746	= kilowatts	Degrees Celsius	×	9/5 + 32	= degrees Fahrenheit
Degrees Farenheit (−32)	×	5/9	= degrees Celsius				

UNITS OF LENGTH AND AREA

Customary			Metric	Metric			Customary
Inch (in)			= 25.400 millimeters	Millimeter (mm)	=	.001 meter	= .039 inch
Foot (ft)	=	12 in	= .305 meter	Centimeter (cm)	=	.01 meter	= .394 inch
Yard (yd)	=	36 in or 3 ft	= .914 meter	Decimeter (dm)	=	.1 meter	= 3.937 inches
Mile (mi)	=	5,280 ft	= 1.609 kilometers	Meter (m)			= 3.281 feet
In² (sq in)			= 6.452 cm²	Kilometer (km)	=	1,000 meters	= .621 mile
Ft² (sq ft)	=	144 sq in	= .093 m²	Sq millimeter (mm²)	=	.000001 m²	= .002 sq in
Yd² (sq yd)	=	1,296 sq in or 9 sq ft	= .836 m²	Sq centimeter (cm²)	=	.0001 m²	= .155 sq in
Acre	=	43,560 sq ft	= .405 ha	Sq decimeter (dm²)	=	.01 m²	= 15.5 sq in
Mile² (sq mi)	=	640 acres	= 2.590 km²	Sq meter (m²)			= 10.764 sq ft
				Hectare (ha)	=	10,000 m²	= 2.471 acres
				Sq kilometer (km²)	=	1,000,000 m²	= .386 sq mi

UNITS OF WEIGHT (OR MASS)

Customary			Metric	Metric			Customary
		Avoirdupois[1]					
Grain			= .065 gram	Gram (g)			= .035 oz avdp or .032 oz troy
Ounce (oz avdp)	=	437.5 grains or 16 drams	= 28.350 grams	Dekagram (dag)	=	10 g	= .353 oz avdp or .322 oz troy
Pound (lb avdp)	=	7,000 grains or 16 ounces	= .454 kilogram	Hectogram (hg)	=	10g	= 3.527 oz avdp or 3.215 oz troy
Hundredweight (cwt)	=	100 pounds	= 45.359 kg				
Ton, short (tn)	=	2,000 pounds	= .907 metric ton				
Ton, long	=	2,240 pounds	= 1.016 metric tons	Kilogram (kg)	=	1,000 g	= 2.205 lb avdp or 2.679 lb troy
		Troy[2]					
Ounce (oz troy)[3]	=	480 grains	= 31.104 grams	Metric ton	=	1,000 kg	= 1.102 short tons or .984 long ton
Pound (lb troy)	=	5,760 grains or 12 ounces	= .373 kilogram				

UNITS OF CAPACITY

Customary			Metric	Customary			Metric
		Liquid				Dry	
Fluid ounce (fl oz)			= 29.574 mL	Pint (pt)			= .551 dm³
Pint (pt)	=	16 fl oz	= .473 liter	Quart (qt)	=	2 pints	= 1.101 dm³
Quart (qt)	=	32 fl oz or 2 pt	= .946 liter	Peck (pk)	=	8 quarts	= 8,810 dm³
Gallon (gal)	=	8 pt or 4 qt	= 3.785 liters	Bushel (bu)	=	32 quarts	= 35.238 dm³

Metric		Customary		
Milliliter (mL)	= .001 liter	= .034 fl oz (liquid)	=	.002 pt (dry)
Liter (L)		= 1.057 qt (liquid)	=	.908 qt (dry)
Hectoliter (hL)	= 100 liters	= 26.417 gal (liquid)	=	90.808 qt (dry)

[1] For weighing ordinary commodities. [2] For weighing precious metals, jewels, etc. [3] Also known as fine ounces.

The following symbols used in the tables throughout this book, are explained in condensed form in footnotes to the tables where they appear:

-	Represents zero or rounds to less than half the unit of measurement shown.
B	Base figure too small to meet statistical standards for reliability of derived figure.
D	Figure withheld to avoid disclosure of information pertaining to a specific organization or individual.
NA	Data not enumerated, tabulated, or otherwise available separately.
NS	Percent change irrelevant or insignificant.
S	Figure does not meet publication standards for reasons other than that covered by symbol B, above.
X	Figure not applicable because column heading and stub line make an entry impossible, absurd, or meaningless.
Z	Entry would amount to less than half the unit of measure shown.

In many tables, details will not add to the totals shown because of rounding.

Example of table structure:

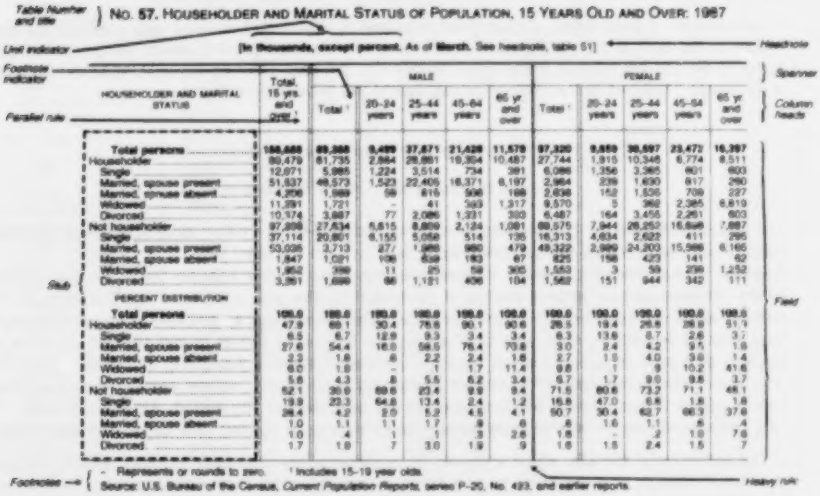
Table Number and title
Unit indicator
Headnote
Footnote indicator
Spanner
Column heads
Parallel rule
Stub
Field
Footnotes →
Heavy rule

No. 57. HOUSEHOLDER AND MARITAL STATUS OF POPULATION, 15 YEARS OLD AND OVER: 1987

[In thousands, except percent. As of March. See headnote, table 51]

HOUSEHOLDER AND MARITAL STATUS	Total, 15 yrs. and over [1]	MALE					FEMALE				
		Total [1]	20-24 years	25-44 years	45-64 years	65 yr and over	Total [1]	20-24 years	25-44 years	45-64 years	65 yr and over
Total persons	**186,688**	**89,368**	**9,499**	**37,871**	**21,428**	**11,578**	**97,320**	**9,850**	**38,597**	**23,472**	**16,397**
Householder	89,479	61,735	2,884	28,861	19,304	10,487	27,744	1,815	10,346	6,774	8,511
Single	12,071	5,985	1,224	3,514	734	381	6,086	1,356	3,365	601	603
Married, spouse present	51,537	48,573	1,523	22,405	16,371	8,197	2,964	239	1,830	617	290
Married, spouse absent	4,206	1,569	59	615	506	168	2,638	152	1,536	709	227
Widowed	11,291	1,721	-	41	363	1,317	9,570	5	382	2,365	6,819
Divorced	10,374	3,887	77	2,086	1,331	383	6,487	164	3,456	2,261	603
Not householder	97,209	27,634	6,615	8,809	2,124	1,081	69,575	7,944	28,252	16,698	7,887
Single	37,114	20,801	6,155	5,059	514	136	16,313	4,634	2,622	411	295
Married, spouse present	53,035	3,713	277	1,989	960	479	49,322	2,989	24,203	15,986	6,165
Married, spouse absent	1,847	1,021	106	638	193	67	825	156	423	141	62
Widowed	1,952	399	11	25	58	305	1,553	3	59	239	1,252
Divorced	3,261	1,699	66	1,121	406	104	1,562	151	944	342	111
PERCENT DISTRIBUTION											
Total persons	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Householder	47.9	69.1	30.4	76.6	90.1	90.6	28.5	19.4	26.8	28.9	51.9
Single	6.5	6.7	12.9	9.3	3.4	3.4	6.3	13.8	8.7	2.6	3.7
Married, spouse present	27.6	54.4	16.0	59.5	76.4	70.8	3.0	2.4	4.2	9.5	1.8
Married, spouse absent	2.3	1.8	.6	2.2	2.4	1.6	2.7	1.5	4.0	3.0	1.4
Widowed	6.0	1.9	-	.1	1.7	11.4	9.8	.1	.9	10.2	41.6
Divorced	5.6	4.3	.8	5.5	6.2	3.4	6.7	1.7	9.0	9.6	3.7
Not householder	52.1	30.9	69.6	23.4	9.9	9.4	71.5	80.6	73.2	71.1	48.1
Single	19.9	23.3	64.8	13.4	2.4	1.2	16.8	47.0	6.8	1.8	1.8
Married, spouse present	28.4	4.2	2.9	5.2	4.5	4.1	50.7	30.4	62.7	68.3	37.6
Married, spouse absent	1.0	1.1	1.1	1.7	.9	.6	.8	1.6	1.1	.6	.4
Widowed	1.0	.4	.1	.1	.3	2.6	1.6	-	.2	1.0	7.6
Divorced	1.7	1.9	.7	3.0	1.9	.9	1.6	1.5	2.4	1.5	.7

- Represents or rounds to zero. [1] Includes 15-19 year olds.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423, and earlier reports.

Headnotes immediately below table titles provide information important for correct interpretation or evaluation of the table as a whole or for a major segment of it.

Footnotes below the bottom rule of tables give information relating to specific items or figures within the table.

Unit indicators ("In thousands," "In millions of dollars," etc.) are usually given in boldface type as the first elements of the headnote. In tables where several units are used, the unit indicators are generally given in the stub or unit column or in the column headings.

Parallel vertical rules are used to the right of a total column to indicate—

(1) that the components which follow add to the total (e.g., tables 1, 19, 34, etc.);

(2) in the case of derived figures, that the underlying data are additive to their total (e.g., table 19 for ratios, table 54 for percentages, table 88 for rates and table 90 for medians).

Heavy vertical rules are used—

(1) in tables where the stub is continued into one or more additional columns across the table to separate each segment of stub and its accompanying data columns from the continued segments (e.g., tables 2, 7, 10, etc.);

(2) to set off independent sections of a table (e.g., tables 1, 5, 38, etc.).

Averages. An average is a single number or value that is often used to represent the "typical value" of a group of numbers. It is regarded as a measure of "location" or "central tendency" of a group of numbers.

The *arithmetic mean* is the type of average used most frequently. It is derived by summing the individual item values of a particular group and dividing the total by the number of items. The arithmetic mean is often referred to as simply the "mean" or "average."

The *median* of a group of numbers is the middle number or value when each item in the group is arranged according to size (lowest to highest or vice versa); it generally has the same number of items above it as below it. If there is an even number of items in the group, the median is taken to be the average of the two middle items.

Per capita (or per person) quantities. A per capita figure represents an average computed for every person in a specified group (or population). It is derived by taking the total for an item (such as income, taxes, or retail sales) and dividing it by the number of persons in the specified population.

Index numbers. An index number is a measure of difference or change, usually expressed as a percent, relating one quantity (the variable) of a specified kind to another quantity of the same kind. Index numbers are widely used to express changes in prices over periods of time but may also be used to express differences between related subjects for a single point in time.

To compute a price index, a base year or period is selected. The base year price (of the commodity or service) is then designated as the base or reference price to which the prices for other years or periods are related. Many price indexes use the year 1967 as the base year; in tables, this is shown as "1967=100." A method of expressing the price relationship is:

$$\frac{\text{Price of a set of one or more items for related year}}{\text{Price of the same set of items for base year}}$$

The result multiplied by 100 provides the index number. When 100 is subtracted from the index number, the result equals the percent change in price from the base year.

Average annual percent change. Unless otherwise stated in the *Abstract* (as in Section 1, Population), average annual percent change is computed by use of a *compound interest formula*. This formula assumes that the rate of change is constant throughout a specified compounding period (one year for average annual rates of change). The formula is similar to that used to compute the balance of a savings account which receives compound interest. According to this formula, at the end of a compounding period the amount of accrued change (e.g., school enrollment or bank interest) is added to the amount which existed at the beginning of the period. As a result, over time (e.g., with each year or quarter), the same rate of change is applied to a larger and larger figure.

The *exponential formula*, which is based on continuous compounding, is often used to measure population change. It is preferred by population experts because they view population and population-related subjects as changing without interruption, ever ongoing. Both exponential and compound interest formulas assume a constant rate of change. The former, however, applies the amount of change continuously to the base rather than at the end of each compounding period.

When the average annual rates are small (e.g., less than 5 percent), both formulas give virtually the same results. For an explanation of these two formulas as they relate to population, see U.S. Bureau of the Census, *The Methods and Materials of Demography*, vol. 2, 3d printing (rev.), 1975, pp. 372-381.

Current and constant dollars. Statistics in some tables in a number of sections are expressed in both current and constant dollars (see, for example, table 685, section 14). Current dollar figures reflect actual prices or costs prevailing during the specified year(s). Constant dollar figures are estimates representing an effort to remove the effects of price changes from statistical series reported in dollar terms. In general, constant dollar series are derived by dividing current dollar estimates by the appropriate price index for the appropriate period (for example, the Consumer Price Index). The result is a series as it would presumably exist if prices were the same throughout, as in the base year—in other words as if the dollar had constant purchasing power. Any changes in this constant dollar series would reflect only changes in real volume of output, income, expenditures, or other measure.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	RESIDENT POPULATION [1]											
	Total, 1988		Percent increase, [2] 1980–1988		Projections, [3] 2000		Black, 18 yrs old and over, projections, [4] 1988		Hispanic, 18 yrs old and over, projections, [4] 1988		65 years old and over, [5] 1987	
	Number (1,000)	Rank	Percent	Rank	Number (1,000)	Rank	Number (1,000)	Rank	Number (1,000)	Rank	Percent	Rank
United States	**245,807**	(x)	**8.5**	(x)	**267,747**	(x)	**20,441**	(x)	**13,021**	(x)	**12.3**	(x)
New England	**12,966**	(x)	**5.0**	(x)	**13,775**	(x)	**398**	(x)	**238**	(x)	**13.4**	(x)
Maine	1,206	38	7.2	21	1,271	41	3	44	4	47	13.4	13
New Hampshire	1,097	39	19.2	5	1,333	39	5	43	5	46	11.5	36
Vermont	556	48	8.7	19	591	49	1	49	3	48	11.9	30
Massachusetts	5,871	13	2.3	37	6,087	13	190	22	112	10	13.7	11
Rhode Island	995	43	5.1	29	1,049	42	24	38	16	35	14.7	4
Connecticut	3,241	28	4.3	32	3,445	27	176	24	98	14	13.4	14
Middle Atlantic	**37,645**	(x)	**2.3**	(x)	**38,035**	(x)	**3,494**	(x)	**1,935**	(x)	**13.5**	(x)
New York	17,898	2	1.9	40	17,986	3	1,955	1	1,388	3	13.0	18
New Jersey	7,720	9	4.8	30	8,546	9	756	14	436	6	13.0	17
Pennsylvania	12,027	5	1.4	44	11,503	6	783	13	111	11	14.8	3
East North Central	**42,149**	(x)	**1.1**	(x)	**41,746**	(x)	**3,353**	(x)	**852**	(x)	**12.2**	(x)
Ohio	10,872	7	.7	46	10,629	7	799	12	75	15	12.5	23
Indiana	5,575	14	1.5	43	5,502	14	305	20	58	19	12.1	29
Illinois	11,544	6	1.0	45	11,580	5	1,213	4	568	5	12.1	27
Michigan	9,300	8	.4	47	9,250	8	896	8	105	12	11.5	35
Wisconsin	4,858	17	3.2	36	4,784	19	139	26	46	25	13.2	16
West North Central	**17,745**	(x)	**3.3**	(x)	**17,850**	(x)	**579**	(x)	**153**	(x)	**13.6**	(x)
Minnesota	4,306	21	5.6	26	4,490	22	41	33	25	31	12.6	21
Iowa	2,834	29	-2.7	49	2,549	31	33	36	18	33	14.8	2
Missouri	5,139	15	4.5	31	5,383	15	370	19	35	28	13.8	9
North Dakota	663	46	1.6	42	629	48	3	44	2	49	13.3	15
South Dakota	715	45	3.5	35	714	46	2	47	2	49	14.0	6
Nebraska	1,601	36	2.0	39	1,556	37	35	35	20	32	13.8	8
Kansas	2,487	32	5.2	27	2,529	33	96	27	51	23	13.6	12
South Atlantic	**42,601**	(x)	**15.3**	(x)	**50,002**	(x)	**6,036**	(x)	**1,154**	(x)	**13.0**	(x)
Delaware	660	47	11.0	16	734	45	80	29	8	42	11.6	33
Maryland	4,644	18	10.1	18	5,274	16	833	10	59	18	10.7	38
District of Columbia	620	(x)	-2.9	(x)	634	(x)	317	(x)	15	(x)	12.3	(x)
Virginia	5,996	12	12.1	13	6,877	12	808	11	74	16	10.6	42
West Virginia	1,884	34	-3.4	50	1,722	36	41	33	6	45	13.9	7
North Carolina	6,526	10	11.0	17	7,483	11	993	7	31	29	11.8	32
South Carolina	3,493	24	11.9	14	3,906	24	693	16	15	36	10.7	39
Georgia	6,401	11	17.2	8	7,957	10	1,138	5	40	27	10.0	44
Florida	12,377	4	27.0	4	15,415	4	1,133	6	907	4	17.8	1
East South Central	**15,393**	(x)	**5.0**	(x)	**16,285**	(x)	**2,010**	(x)	**46**	(x)	**12.3**	(x)
Kentucky	3,721	23	1.6	41	3,733	26	188	23	10	39	12.3	26
Tennessee	4,919	16	7.1	22	5,266	17	538	18	15	36	12.4	24
Alabama	4,127	22	6.0	23	4,410	23	697	15	14	38	12.4	25
Mississippi	2,627	31	4.2	33	2,877	30	587	17	8	42	12.1	28
West South Central	**26,884**	(x)	**13.2**	(x)	**30,632**	(x)	**2,628**	(x)	**2,717**	(x)	**10.7**	(x)
Arkansas	2,422	33	5.9	24	2,529	32	240	21	10	39	14.6	5
Louisiana	4,420	20	5.1	28	4,516	21	873	9	72	17	10.8	37
Oklahoma	3,263	27	7.9	20	3,376	28	145	25	51	23	12.8	19
Texas	16,780	3	17.9	7	20,211	2	1,369	3	2,584	2	9.7	46
Mountain	**13,289**	(x)	**16.8**	(x)	**16,022**	(x)	**231**	(x)	**1,193**	(x)	**10.6**	(x)
Montana	804	44	2.2	38	794	44	1	49	7	44	12.5	22
Idaho	999	42	5.8	25	1,047	43	3	44	28	30	11.5	34
Wyoming	471	50	.3	48	489	50	2	47	17	34	8.9	48
Colorado	3,290	26	13.8	11	3,813	25	90	28	264	9	9.2	47
New Mexico	1,510	37	15.9	9	1,968	35	18	39	396	7	10.0	45
Arizona	3,466	25	27.5	3	4,618	20	62	31	379	8	12.7	20
Utah	1,691	35	15.7	10	1,991	34	8	42	45	26	8.2	49
Nevada	1,060	41	32.4	1	1,303	40	46	32	57	20	10.6	41
Pacific	**37,135**	(x)	**16.8**	(x)	**43,400**	(x)	**1,711**	(x)	**4,732**	(x)	**10.9**	(x)
Washington	4,619	19	11.8	15	4,991	18	78	30	104	13	11.8	31
Oregon	2,741	30	4.1	34	2,877	29	29	37	54	21	13.7	10
California	28,168	1	19.0	6	33,500	1	1,576	2	4,514	1	10.6	40
Alaska	513	49	27.7	2	687	47	13	41	9	41	3.6	50
Hawaii	1,093	40	13.3	12	1,345	38	15	40	52	22	10.1	43

X Not applicable. [1] Source: U.S. Bureau of the Census. Except as noted, as of July 1. [2] Minus sign (-) indicates decrease. [3] See table 29, 1989 Statistical Abstract. [4] See table 28, 1989 Statistical Abstract. As of November. [5] See table 27, 1989 Statistical Abstract.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	RESIDENT POPULATION IN METRO AREAS, [1] [2] 1987		BIRTH RATE, [3] [4] 1986		BIRTHS, [3] [5] 1986				INFANT MORTALITY RATE, [3] [6] 1986		PHYSICIANS PER 100,000 POPULATION, [7] 1986	
					To teenage mothers		To unmarried women					
	Percent	Rank	Rate	Rank	Percent	Rank	Percent	Rank	Rate	Rank	Rate	Rank
United States	**76.9**	(x)	**15.6**	(x)	**12.6**	(x)	**23.4**	(x)	**10.4**	(x)	**205**	(x)
New England	**80.6**	(x)	**14.2**	(x)	**8.9**	(x)	**18.6**	(x)	**8.8**	(x)	**275**	(x)
Maine	36.1	44	14.3	41	11.6	25	19.0	33	8.6	45	170	29
New Hampshire	56.3	33	15.5	22	7.7	49	13.9	46	9.1	40	183	22
Vermont	23.1	49	15.0	31	9.2	42	16.7	41	10.0	27	239	6
Massachusetts	90.7	7	14.1	43	8.3	47	19.3	32	8.5	48	316	2
Rhode Island	92.6	4	13.8	47	10.3	33	19.8	28	9.4	34	236	7
Connecticut	92.6	4	14.0	44	8.8	45	19.0	34	9.1	40	285	4
Middle Atlantic	**90.6**	(x)	**14.3**	(x)	**10.1**	(x)	**26.5**	(x)	**10.4**	(x)	**261**	(x)
New York	90.5	8	14.8	33	9.7	37	29.4	4	10.7	19	302	3
New Jersey	100.0	1	14.3	40	9.4	40	22.9	19	9.8	28	220	8
Pennsylvania	84.7	9	13.5	49	11.3	27	24.4	15	10.2	24	221	9
East North Central	**77.3**	(x)	**15.0**	(x)	**12.5**	(x)	**22.8**	(x)	**11.1**	(x)	**184**	(x)
Ohio	78.9	16	14.7	34	13.3	18	23.4	18	10.6	21	188	18
Indiana	68.0	22	14.4	37	14.0	14	21.0	22	11.3	12	146	41
Illinois	82.5	11	15.3	26	12.5	20	27.1	8	12.1	6	200	12
Michigan	80.2	15	15.1	29	12.3	21	19.3	31	11.4	11	177	25
Wisconsin	66.5	26	15.1	28	9.9	36	19.6	29	9.2	38	177	25
West North Central	**56.2**	(x)	**15.1**	(x)	**10.2**	(x)	**17.8**	(x)	**9.7**	(x)	**175**	(x)
Minnesota	66.2	27	15.6	18	7.3	50	16.3	43	9.2	38	207	11
Iowa	43.1	39	13.6	48	9.2	42	15.0	45	8.5	48	141	44
Missouri	66.0	28	14.9	32	13.4	17	22.5	20	10.7	19	186	20
North Dakota	38.0	42	15.9	17	8.0	48	12.8	48	8.4	50	157	37
South Dakota	28.7	47	16.4	13	9.7	37	17.5	39	13.3	1	129	47
Nebraska	47.2	37	15.3	27	8.9	44	15.5	44	10.1	26	162	35
Kansas	52.8	35	16.0	15	11.5	26	16.7	40	8.9	43	166	30
South Atlantic	**73.7**	(x)	**14.8**	(x)	**14.5**	(x)	**26.5**	(x)	**11.7**	(x)	**203**	(x)
Delaware	66.0	28	15.3	23	13.2	19	27.0	9	11.5	9	188	18
Maryland	92.9	3	15.6	19	11.7	24	30.5	2	11.7	8	317	1
District of Columbia	100.0	(x)	16.1	(x)	17.0	(x)	57.7	(x)	21.1	(x)	579	(x)
Virginia	71.7	20	15.0	30	12.0	22	22.4	21	11.1	14	202	13
West Virginia	36.3	43	12.1	50	17.1	5	19.5	30	10.2	24	163	34
North Carolina	55.3	34	14.3	42	15.9	10	23.6	17	11.5	9	173	28
South Carolina	60.4	31	15.3	24	16.6	9	27.6	6	13.2	3	153	39
Georgia	64.6	30	16.1	14	17.0	6	27.2	7	12.5	4	164	33
Florida	90.8	6	14.3	39	13.8	15	26.7	10	11.0	15	199	15
East South Central	**55.6**	(x)	**14.4**	(x)	**17.9**	(x)	**25.9**	(x)	**11.6**	(x)	**156**	(x)
Kentucky	45.8	38	13.9	45	17.4	3	20.0	26	9.8	28	156	38
Tennessee	67.0	25	13.8	46	17.0	6	25.3	14	11.0	15	181	23
Alabama	67.2	24	14.7	35	17.4	3	25.9	12	13.3	1	147	40
Mississippi	30.3	45	16.0	16	20.5	1	34.0	1	12.4	5	122	49
West South Central	**72.6**	(x)	**17.5**	(x)	**15.8**	(x)	**20.3**	(x)	**10.1**	(x)	**162**	(x)
Arkansas	39.5	41	14.5	36	19.0	2	24.0	16	10.3	23	141	44
Louisiana	69.0	21	17.3	7	16.8	8	30.2	3	11.9	7	179	24
Oklahoma	58.8	32	15.3	25	15.6	11	18.6	35	10.4	22	142	43
Texas	81.0	14	18.4	5	15.2	13	17.7	38	9.5	32	165	32
Mountain	**65.8**	(x)	**18.0**	(x)	**11.8**	(x)	**19.2**	(x)	**9.3**	(x)	**173**	(x)
Montana	24.2	48	15.6	20	10.1	35	17.8	37	9.6	31	144	42
Idaho	19.6	50	16.4	12	10.8	30	11.9	49	11.3	12	119	50
Wyoming	29.0	46	17.0	9	10.7	31	13.9	46	10.9	17	127	48
Colorado	81.7	12	16.9	10	10.2	34	18.0	36	8.6	46	199	15
New Mexico	48.4	36	18.5	4	15.3	12	27.9	5	9.5	32	166	30
Arizona	76.2	19	18.6	3	13.8	15	25.6	13	9.4	34	186	20
Utah	77.2	17	21.9	2	9.3	41	9.8	50	8.6	46	175	27
Nevada	82.6	10	16.4	11	11.9	23	16.6	42	9.1	40	159	36
Pacific	**90.5**	(x)	**17.4**	(x)	**10.8**	(x)	**25.1**	(x)	**9.1**	(x)	**230**	(x)
Washington	81.2	13	15.6	21	10.4	32	19.8	27	9.8	28	202	13
Oregon	67.6	23	14.4	36	10.9	28	20.7	24	9.4	34	192	17
California	95.7	2	17.9	6	10.9	28	28.5	11	8.9	43	240	5
Alaska	42.4	40	22.9	1	8.7	46	20.8	23	10.8	18	137	46
Hawaii	76.7	18	17.2	8	9.6	39	20.3	25	9.3	37	221	9

X Not applicable. [1] Source: U.S. Bureau of the Census. [2] See table 35, 1989 Statistical Abstract. Refers to metropolitan statistical areas as defined June 30, 1988. [3] Source: U.S. National Center for Health Statistics. [4] See table 86, 1989 Statistical Abstract. Registered births per 1,000 population, by place of residence. [5] See table 94, 1989 Statistical Abstract. [6] See table 116, 1989 Statistical Abstract. Represents deaths of infants under 1 year old per 1,000 live births, by place of residence. Excludes fetal deaths. [7] See table 151, 1989 Statistical Abstract. Source: American Medical Association, Chicago, IL (Copyright). Covers active non-Federal physicians and includes physicians not classified according to activity status.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	HOSPITALS						PUBLIC ELEMENTARY AND SECONDARY SCHOOLS					
	Beds per 100,000 population,[1] 1986		Occupancy rate,[1 2] 1986		Average daily room charge,[3] 1988		Enrollment, percent increase,[4] 1980–1986		Teachers' average salaries,[5 6] 1988		Current expenditures per pupil,[5 7] 1988	
	Rate	Rank	Rate	Rank	Dollars	Rank	Percent	Rank	Dollars	Rank	Dollars	Rank
United States	**532**	(x)	**69.8**	(x)	**253**	(x)	**-2.8**	(x)	**28,044**	(x)	**4,209**	(x)
New England	**578**	(x)	(NA)	(x)	(NA)	(x)	**-12.9**	(x)	(NA)	(x)	(NA)	(x)
Maine	538	24	71.2	13	254	17	-4.5	32	23,425	38	4,276	17
New Hampshire	467	38	67.8	16	247	18	-1.8	22	24,019	35	3,990	26
Vermont	518	31	71.0	14	286	8	-4.2	30	23,397	39	4,949	11
Massachusetts	662	5	75.8	8	310	4	-18.4	50	30,019	9	5,396	7
Rhode Island	534	25	77.4	6	275	11	-9.5	43	32,858	6	5,456	6
Connecticut	492	35	78.6	3	326	3	-11.7	48	33,487	3	6,141	5
Middle Atlantic	**605**	(x)	(NA)	(x)	(NA)	(x)	**-10.6**	(x)	(NA)	(x)	(NA)	(x)
New York	634	9	84.5	1	263	14	-9.2	42	34,500	2	6,864	4
New Jersey	527	28	76.7	2	229	26	-11.2	47	30,720	8	6,910	2
Pennsylvania	611	14	73.8	9	298	6	-12.3	49	29,174	13	5,063	8
East North Central	**533**	(x)	(NA)	(x)	(NA)	(x)	**-8.5**	(x)	(NA)	(x)	(NA)	(x)
Ohio	540	23	66.7	19	275	11	-8.3	39	27,606	19	4,019	24
Indiana	534	25	63.9	32	223	28	-8.4	41	27,386	23	3,616	34
Illinois	555	22	67.2	18	271	13	-8.0	38	29,663	11	4,217	19
Michigan	486	36	67.6	17	292	7	-9.7	44	32,926	5	4,122	21
Wisconsin	556	21	64.7	30	186	41	-7.5	37	28,998	14	4,991	10
West North Central	**659**	(x)	(NA)	(x)	(NA)	(x)	**-5.0**	(x)	(NA)	(x)	(NA)	(x)
Minnesota	634	9	66.7	19	241	22	-5.7	36	29,900	10	4,513	14
Iowa	635	8	63.2	36	203	33	-9.9	45	24,867	29	3,846	31
Missouri	618	12	66.2	22	226	27	-5.2	35	24,703	30	3,566	35
North Dakota	870	1	63.3	34	195	38	1.7	16	21,660	48	3,353	38
South Dakota	820	2	59.1	45	182	44	-3.1	24	19,750	50	3,159	42
Nebraska	701	3	60.4	40	182	44	-4.6	33	23,246	41	3,641	33
Kansas	679	4	62.3	38	214	31	.2	18	24,647	31	4,262	18
South Atlantic	**530**	(x)	(NA)	(x)	(NA)	(x)	**-1.3**	(x)	(NA)	(x)	(NA)	(x)
Delaware	569	18	78.1	5	300	5	-5.1	34	29,575	12	4,994	9
Maryland	498	33	78.5	4	230	25	-10.0	46	30,933	7	4,871	12
District of Columbia	1,311	(x)	78.2	(x)	782	(x)	-14.0	(x)	34,705	(x)	5,643	(x)
Virginia	530	27	71.6	11	196	35	-3.5	27	27,436	21	4,145	20
West Virginia	569	17	64.8	29	196	35	-8.3	39	21,736	45	3,895	28
North Carolina	474	37	71.6	11	189	40	-3.9	28	24,900	28	3,911	27
South Carolina	450	39	73.0	10	170	47	-1.1	20	24,241	34	3,075	43
Georgia	569	18	68.8	15	161	48	2.5	12	26,177	25	2,939	45
Florida	523	29	64.9	28	217	30	6.4	5	25,198	27	4,389	15
East South Central	**605**	(x)	(NA)	(x)	(NA)	(x)	**-2.4**	(x)	(NA)	(x)	(NA)	(x)
Kentucky	523	29	66.7	19	213	32	-4.0	29	24,274	33	3,355	37
Tennessee	644	7	66.2	22	171	46	-4.2	30	23,785	37	3,189	41
Alabama	607	15	65.3	26	183	43	-3.3	25	23,320	40	2,752	48
Mississippi	648	6	63.3	34	141	50	4.6	7	20,669	48	2,760	47
West South Central	**519**	(x)	(NA)	(x)	(NA)	(x)	**7.1**	(x)	(NA)	(x)	(NA)	(x)
Arkansas	561	20	59.4	44	153	49	-2.5	23	20,340	49	2,410	50
Louisiana	591	16	64.5	31	201	34	2.2	14	21,209	47	3,211	40
Oklahoma	505	32	59.8	43	184	42	2.6	11	22,006	44	3,051	44
Texas	496	34	60.4	40	196	35	10.7	3	25,655	26	3,462	36
Mountain	**426**	(x)	(NA)	(x)	(NA)	(x)	**5.9**	(x)	(NA)	(x)	(NA)	(x)
Montana	612	13	58.9	46	221	29	-1.3	21	23,798	36	4,061	23
Idaho	389	46	58.9	46	247	18	2.5	12	22,242	43	2,814	46
Wyoming	631	11	56.6	49	193	39	3.1	10	27,260	24	6,885	3
Colorado	441	41	63.7	33	260	15	1.8	15	28,651	16	4,359	16
New Mexico	446	40	65.7	25	234	23	4.1	8	24,351	32	3,880	30
Arizona	400	43	65.2	27	244	20	4.1	8	27,388	22	3,265	39
Utah	325	50	62.1	39	242	21	20.9	2	22,621	42	2,658	49
Nevada	414	42	51.1	50	233	24	8.1	4	27,600	20	3,829	32
Pacific	**395**	(x)	(NA)	(x)	(NA)	(x)	**4.8**	(x)	(NA)	(x)	(NA)	(x)
Washington	372	48	62.8	37	281	10	.4	17	28,116	17	4,083	22
Oregon	400	43	59.9	42	283	9	-3.4	26	28,060	18	4,574	13
California	400	43	66.1	24	364	1	6.3	6	33,159	4	3,994	25
Alaska	376	47	57.7	48	337	2	24.1	1	40,424	1	7,038	1
Hawaii	366	49	77.2	7	258	16	(Z)	19	28,785	15	3,894	29

NA Not available. X Not applicable. Z Less than .05 percent. [1] See table 159, 1989 Statistical Abstract. Source: American Hospital Association, Chicago, IL (Copyright). [2] Ratio of average daily census to every 100 beds. [3] See table 163, 1989 Statistical Abstract. Source: Health Insurance Association of America, Washington DC. As of January. Covers non-government short-term general hospitals and represents average cost to patient for semi-private room. [4] See table 220, 1989 Statistical Abstract. Source: U.S. Department of Education, National Center for Education Statistics. Minus sign (–) indicates decrease. [5] Source: National Education Association, Washington, DC. (Copyright). [6] See table 223, 1989 Statistical Abstract. Data presented here are revised. [7] See table 229, 1989 Statistical Abstract. Represents current expenditures per pupil in average daily attendance in day schools.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	COLLEGE ENROLLMENT, [1]				CRIME RATE, PERCENT CHANGE, [2] 1985–1987		VIOLENT CRIME RATE PER 100,000 RESIDENT POPULATION, [2] 1987		DEATH RATE BY HOMICIDE, [3] 1986		GROUND WATER WITHDRAWN, PERCENT OF TOTAL WITHDRAWN, [4] 1985	
	Percent increase, 1980–1986		Percent part-time, 1986									
	Percent	Rank	Percent	Rank	Percent	Rank	Rate	Rank	Rate	Rank	Percent	Rank
United States	**3.3**	(x)	**43.1**	(x)	**6.5**	(x)	**609**	(x)	**9.0**	(x)	**18.5**	(x)
New England	**1.6**	(x)	**39.1**	(x)	**2.5**	(x)	**421**	(x)	**3.7**	(x)	(NA)	(x)
Maine	7.0	20	39.1	24	-3.8	48	153	44	1.8	49	4.3	43
New Hampshire	14.9	4	35.2	33	3.7	32	149	46	2.2	47	9.4	28
Vermont	3.2	31	28.1	45	9.9	15	137	48	3.0	45	29.4	11
Massachusetts	(Z)	39	37.3	27	-.5	45	565	14	3.8	40	3.3	48
Rhode Island	4.5	29	37.1	28	11.9	9	360	31	4.3	38	6.6	34
Connecticut	-1.3	43	48.7	11	6.2	22	419	26	4.7	37	3.8	46
Middle Atlantic	**1.4**	(x)	**37.8**	(x)	**5.3**	(x)	**708**	(x)	**8.0**	(x)	(NA)	(x)
New York	1.4	34	36.1	30	6.5	20	1,007	2	10.7	12	7.2	32
New Jersey	-8.4	49	50.2	9	3.3	34	541	17	5.3	31	9.6	27
Pennsylvania	7.5	19	34.2	37	4.1	30	368	29	5.6	28	5.6	36
East North Central	**4.2**	(x)	**44.0**	(x)	**3.5**	(x)	**572**	(x)	**7.9**	(x)	(NA)	(x)
Ohio	6.3	24	40.4	23	9.3	16	421	25	5.2	32	5.7	35
Indiana	1.2	37	35.2	33	5.3	27	329	33	5.5	29	7.9	31
Illinois	6.7	23	50.7	8	.6	41	795	4	9.9	14	6.7	33
Michigan	(Z)	39	49.2	10	1.4	36	780	5	12.2	7	5.3	37
Wisconsin	5.6	26	33.1	38	3.8	31	250	40	3.5	42	8.5	29
West North Central	**7.4**	(x)	**37.1**	(x)	**9.2**	(x)	**344**	(x)	**5.0**	(x)	(NA)	(x)
Minnesota	9.7	15	36.1	30	11.7	12	286	35	2.6	46	24.2	14
Iowa	10.7	11	25.8	47	5.0	28	231	41	2.2	47	24.2	14
Missouri	5.1	27	43.1	16	7.8	17	544	16	9.8	15	10.5	25
North Dakota	8.8	17	24.3	50	5.7	23	57	50	1.3	50	10.9	24
South Dakota	-6.1	46	29.0	44	1.4	37	120	49	4.2	39	36.9	8
Nebraska	11.1	10	44.0	14	11.8	11	252	39	3.2	44	55.9	4
Kansas	4.4	30	42.0	20	12.1	7	361	30	5.0	35	84.7	1
South Atlantic	**7.9**	(x)	**43.6**	(x)	**10.0**	(x)	**673**	(x)	**10.6**	(x)	(NA)	(x)
Delaware	3.0	33	38.2	26	-.4	44	432	24	5.7	27	4.6	41
Maryland	3.1	32	53.6	5	2.0	35	768	6	9.5	18	3.3	47
District of Columbia	-10.3	(x)	38.5	(x)	5.6	(x)	1,609	(x)	28.2	(x)	(NA)	(x)
Virginia	9.6	16	45.5	13	4.8	29	295	34	7.8	22	4.7	42
West Virginia	-6.1	46	36.4	29	-2.8	46	138	47	6.2	26	4.2	44
North Carolina	12.2	8	38.4	25	12.8	5	484	20	9.3	19	5.0	39
South Carolina	.8	38	30.6	41	6.6	19	665	9	9.6	17	3.1	49
Georgia	6.0	25	31.8	40	13.3	3	576	13	12.8	5	18.3	19
Florida	15.8	3	52.0	6	12.3	6	1,024	1	12.4	6	23.8	16
East South Central	**1.6**	(x)	**31.7**	(x)	**11.1**	(x)	**448**	(x)	**10.4**	(x)	(NA)	(x)
Kentucky	1.4	34	35.2	33	11.0	14	338	32	7.1	24	4.9	40
Tennessee	-3.9	45	34.5	36	12.0	8	534	19	10.8	11	5.3	38
Alabama	10.4	14	29.8	43	12.9	4	559	15	11.4	10	4.0	45
Mississippi	-1.0	42	24.8	49	5.3	26	269	37	13.1	4	62.9	3
West South Central	**8.9**	(x)	**41.9**	(x)	**15.2**	(x)	**596**	(x)	**13.0**	(x)	(NA)	(x)
Arkansas	1.3	36	30.4	42	18.4	1	413	28	9.7	16	64.5	2
Louisiana	6.9	21	26.9	46	5.6	25	693	8	13.8	2	13.8	23
Oklahoma	6.9	21	43.9	15	11.1	13	419	26	9.1	20	44.7	7
Texas	10.7	11	46.0	12	17.6	2	632	10	14.1	1	29.3	12
Mountain	**12.8**	(x)	**47.0**	(x)	**-.4**	(x)	**464**	(x)	**8.1**	(x)	(NA)	(x)
Montana	(Z)	39	25.7	48	1.1	38	151	45	5.0	35	2.3	50
Idaho	4.7	28	35.6	32	6.3	21	214	43	3.7	41	21.5	17
Wyoming	14.3	6	41.7	21	.4	42	283	36	5.5	29	8.5	30
Colorado	8.6	18	42.4	18	-6.8	49	468	21	7.3	23	17.2	22
New Mexico	37.9	1	51.3	7	.9	40	628	11	13.6	3	46.0	6
Arizona	11.8	9	57.3	3	1.0	39	612	12	10.1	13	48.2	5
Utah	12.6	7	32.1	39	5.7	24	230	42	3.3	43	18.9	18
Nevada	14.6	5	72.3	1	-3.1	47	695	7	12.1	8	24.3	13
Pacific	**-6.3**	(x)	**53.5**	(x)	**1.3**	(x)	**804**	(x)	**10.2**	(x)	(NA)	(x)
Washington	-20.4	50	42.6	17	7.5	18	439	23	5.2	32	17.4	21
Oregon	-8.2	48	41.4	22	3.6	33	540	18	6.5	25	10.1	26
California	-3.3	44	56.3	4	-.2	43	918	3	11.6	9	30.4	10
Alaska	26.6	2	66.7	2	-8.5	50	455	22	8.3	21	17.7	20
Hawaii	10.6	13	42.3	19	11.9	10	263	38	5.2	32	30.5	9

NA Not available. X Not applicable. Z Less than .05 percent. [1] See table 249, 1989 Statistical Abstract. Source: U.S. Dept. of Education, National Center for Education Statistics. Minus sign (–) indicates decrease. [2] See table 279, 1989 Statistical Abstract. Source: U.S. Federal Bureau of Investigation. Based on offenses known to the police. Minus sign (–) indicates decrease. [3] See table 120, 1989 Statistical Abstract. Source: U.S. National Center for Health Statistics. Deaths per 100,000 resident population. [4] See table 340, 1989 Statistical Abstract. Source: U.S. Geological Survey.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	DOMESTIC TRAVEL EXPENDITURES, [1] 1986		VOTING-AGE POPULATION CASTING VOTES FOR U.S. PRESIDENT, [2] 1988		STATE AND LOCAL GOVERNMENT, [3]				FEDERAL GOVERNMENT, [6]			
					Direct general expenditure per capita, [4] 1986		State tax collections, percent individual income, [5] 1987		Grants to State and local governments per capita, 1987		Funds for defense, 1987	
	Mil. dol.	Rank	Percent	Rank	Dollars	Rank	Percent	Rank	Dollars	Rank	Mil. dol.	Rank
United States	**252,954**	(x)	**50.2**	(x)	**2,504**	(x)	**30.8**	(x)	**427**	(x)	**215,777**	(x)
New England	**14,122**	(x)	**57.8**	(x)	(NA)	(x)	**33.2**	(x)	**499**	(x)	**18,361**	(x)
Maine	1,879	34	62.1	3	2,307	30	32.8	18	581	7	1,171	36
New Hampshire	1,710	38	54.8	17	2,024	41	1.6	43	368	42	934	37
Vermont	1,337	41	59.0	9	2,562	23	30.1	26	573	8	180	50
Massachusetts	5,896	13	58.1	12	2,710	11	47.0	3	509	12	9,602	6
Rhode Island	494	50	53.0	24	2,671	15	34.2	15	558	9	836	38
Connecticut	2,806	27	57.9	13	2,579	19	10.7	41	464	17	5,637	13
Middle Atlantic	**39,851**	(x)	**49.6**	(x)	(NA)	(x)	**39.1**	(x)	**548**	(x)	**22,186**	(x)
New York	16,775	3	48.1	36	3,568	3	50.6	2	669	3	11,153	4
New Jersey	12,971	5	52.1	25	2,795	7	27.4	31	434	25	4,809	14
Pennsylvania	10,105	6	50.1	31	2,162	37	24.2	35	442	22	6,224	11
East North Central	**31,334**	(x)	**54.9**	(x)	(NA)	(x)	**32.6**	(x)	**410**	(x)	**17,247**	(x)
Ohio	6,897	10	55.1	15	2,290	31	33.1	16	406	30	6,351	10
Indiana	3,083	25	53.3	23	1,996	42	30.5	23	358	43	3,109	20
Illinois	9,554	7	53.3	22	2,351	29	29.7	28	386	36	3,726	18
Michigan	7,625	8	54.0	21	2,775	9	32.5	19	456	19	2,719	24
Wisconsin	4,175	21	62.0	4	2,720	10	39.2	11	448	21	1,343	34
West North Central	**16,539**	(x)	**58.9**	(x)	(NA)	(x)	**34.0**	(x)	**418**	(x)	**14,683**	(x)
Minnesota	5,178	15	66.3	1	3,049	4	41.7	7	480	14	2,741	23
Iowa	1,966	31	59.3	8	2,439	25	35.9	14	385	37	786	40
Missouri	4,970	17	54.8	18	1,915	48	31.7	22	377	40	7,354	8
North Dakota	821	48	61.5	5	2,707	12	14.0	39	624	5	453	43
Nebraska	1,247	42	56.7	14	2,394	27	29.9	27	381	39	821	39
Kansas	1,965	32	54.3	20	2,382	28	30.4	24	343	46	2,248	28
South Atlantic	**49,819**	(x)	**44.3**	(x)	(NA)	(x)	**29.4**	(x)	**381**	(x)	**50,994**	(x)
Delaware	709	47	51.1	28	2,817	6	43.7	5	467	15	408	44
Maryland	4,766	19	49.1	32	2,581	18	41.9	6	442	23	7,444	7
District of Columbia	1,263	(x)	39.4	(x)	4,701	(x)	26.5	(x)	2436	(x)	1,892	(x)
Virginia	6,073	12	48.2	34	2,209	34	44.3	4	323	48	16,506	2
West Virginia	1,417	39	46.7	40	2,160	38	26.3	32	542	10	322	46
North Carolina	6,079	11	43.4	47	1,911	49	41.2	8	339	47	4,248	17
South Carolina	3,895	23	38.9	49	1,970	44	30.2	25	374	41	2,865	21
Georgia	5,247	14	38.8	50	2,201	36	40.4	10	404	31	6,602	9
Florida	20,350	2	44.7	44	2,120	40	(x)	(x)	262	50	10,704	5
East South Central	**9,591**	(x)	**46.9**	(x)	(NA)	(x)	**17.8**	(x)	**429**	(x)	**9,690**	(x)
Kentucky	2,293	30	48.2	35	1,922	46	26.2	33	457	18	1,830	30
Tennessee	4,081	22	44.7	45	1,920	47	1.9	42	416	29	1,777	31
Alabama	1,866	36	45.8	41	2,127	39	27.6	30	382	38	3,620	19
Mississippi	1,351	40	51.1	29	1,957	45	16.2	37	485	13	2,462	26
West South Central	**23,303**	(x)	**46.2**	(x)	(NA)	(x)	**8.6**	(x)	**338**	(x)	**21,363**	(x)
Arkansas	1,873	35	47.0	39	1,844	50	28.3	29	423	28	1,353	33
Louisiana	3,596	24	51.3	27	2,424	26	12.7	40	430	26	2,820	22
Oklahoma	2,743	28	48.7	33	2,228	33	25.4	34	403	32	2,348	27
Texas	15,691	4	44.2	46	2,203	35	(x)	(x)	289	49	14,842	3
Mountain	**23,516**	(x)	**51.7**	(x)	(NA)	(x)	**24.6**	(x)	**431**	(x)	**13,977**	(x)
Montana	717	46	62.5	2	2,791	8	33.0	17	667	4	280	47
Idaho	1,012	43	58.4	11	1,980	43	31.9	21	393	34	326	45
Wyoming	771	45	50.4	30	4,472	2	(x)	(x)	916	2	196	49
Colorado	5,175	16	55.1	16	2,566	21	40.4	9	350	45	4,427	16
New Mexico	1,810	37	47.3	38	2,696	13	15.4	38	519	11	1,451	32
Arizona	4,815	18	45.0	42	2,571	20	22.0	36	351	44	4,537	15
Utah	1,939	33	60.0	7	2,484	24	37.0	13	467	16	2,061	29
Nevada	7,280	9	44.9	43	2,652	17	(x)	(x)	391	35	678	41
Pacific	**44,280**	(x)	**49.0**	(x)	(NA)	(x)	**34.2**	(x)	**419**	(x)	**47,277**	(x)
Washington	4,233	20	54.6	19	2,565	22	(x)	(x)	436	24	5,767	12
Oregon	2,484	29	58.8	10	2,869	16	65.4	1	456	20	654	42
California	33,658	1	47.4	37	2,818	5	38.8	12	398	33	37,113	1
Alaska	866	44	52.0	26	9,473	1	(z)	42	1188	1	1,240	35
Hawaii	3,039	26	43.0	48	2,891	14	32.0	20	425	27	2,503	25

NA Not available. X Not applicable. Z Less than .05 percent. [1] See table 410, 1989 Statistical Abstract. Source: U.S. Travel Data Center, Washington, DC. (Copyright). [2] See table 436, 1989 Statistical Abstract. Source: U.S. Bureau of the Census. [3] Source: U.S. Bureau of the Census. [4] See table 457, 1989 Statistical Abstract. [5] See table 461, 1989 Statistical Abstract. [6] See table 503, 1989 Statistical Abstract. Source: U.S. Bureau of the Census.

State Rankings

[When states share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	SOCIAL SECURITY RECIPIENTS, PERCENT OF POPULATION,[1,2] 1987		PUBLIC AID RECIPIENTS, PERCENT OF POPULATION[1,3] 1987		FOOD STAMP RECIPIENTS, PERCENT OF POPULATION,[4] 1987		CIVILIAN LABOR FORCE,[5] 1987					
							Employment/ population ratio[6]		Female participation rate		Unemployment rate[7]	
	Percent	Rank	Percent	Rank	Percent	Rank	Ratio	Rank	Rate	Rank	Rate	Rank
United States	**15.3**	(x)	**6.2**	(x)	**7.5**	(x)	**61.5**	(x)	**56.0**	(x)	**6.2**	(x)
New England	**16.2**	(x)	**5.2**	(x)	**4.7**	(x)	**66.2**	(x)	**60.0**	(x)	**3.3**	(x)
Maine	17.5	8	6.5	11	7.3	20	62.5	28	56.0	33	4.4	39
New Hampshire	14.5	37	1.7	50	1.7	50	71.3	1	64.6	2	2.5	50
Vermont	15.3	30	5.6	23	6.2	28	68.9	3	64.0	4	3.6	46
Massachusetts	16.2	19	5.9	18	5.1	43	65.1	15	58.8	21	3.2	48
Rhode Island	18.0	6	6.0	17	5.9	31	65.5	11	60.5	8	3.8	44
Connecticut	15.9	23	4.3	33	3.4	48	67.6	5	61.4	6	3.3	47
Middle Atlantic	**16.5**	(x)	**6.9**	(x)	**7.7**	(x)	**59.2**	(x)	**52.1**	(x)	**4.9**	(x)
New York	15.7	25	8.0	6	8.9	12	58.7	42	51.4	45	4.9	35
New Jersey	15.7	27	5.6	22	4.7	46	63.4	22	55.8	34	4.0	43
Pennsylvania	18.3	4	6.1	16	7.8	16	57.4	45	50.7	47	5.7	28
East North Central	**15.8**	(x)	**7.2**	(x)	**8.6**	(x)	**61.0**	(x)	**56.0**	(x)	**7.2**	(x)
Ohio	16.2	17	7.5	8	9.9	8	59.9	38	54.0	41	7.0	18
Indiana	16.0	22	3.6	43	5.6	35	61.9	31	58.2	25	6.4	20
Illinois	14.9	34	7.5	9	9.0	11	61.0	35	55.6	37	7.4	15
Michigan	15.7	28	8.5	4	9.4	10	59.9	38	55.7	36	8.2	9
Wisconsin	17.0	11	7.7	7	6.8	24	64.7	19	59.4	17	6.1	26
West North Central	**16.7**	(x)	**4.7**	(x)	**6.1**	(x)	**64.8**	(x)	**59.5**	(x)	**5.5**	(x)
Minnesota	15.3	31	4.6	30	5.3	39	66.9	6	62.1	5	5.4	32
Iowa	18.2	5	5.0	27	6.6	25	64.0	21	58.2	25	5.5	30
Missouri	17.4	9	5.5	24	7.3	21	62.7	27	57.6	28	6.3	22
North Dakota	16.4	16	3.1	47	5.1	41	65.0	17	59.7	15	5.2	34
South Dakota	17.6	7	3.9	39	7.2	22	66.1	8	59.8	14	4.2	40
Nebraska	16.5	15	3.8	41	6.0	30	65.3	12	60.5	8	4.9	35
Kansas	16.1	21	3.8	40	4.8	45	65.8	9	59.6	16	4.9	35
South Atlantic	**16.1**	(x)	**5.1**	(x)	**6.3**	(x)	**62.1**	(x)	**56.7**	(x)	**5.1**	(x)
Delaware	15.2	32	4.3	35	4.2	47	65.6	10	59.4	17	3.2	48
Maryland	12.9	43	5.1	25	5.3	37	66.7	7	61.0	7	4.2	40
District of Columbia	12.9	(x)	11.2	(x)	9.3	(x)	65.3	(x)	65.3	(x)	6.3	(x)
Virginia	13.3	42	4.0	38	5.1	40	65.3	12	59.0	19	4.2	40
West Virginia	19.1	2	8.2	5	13.5	3	46.1	50	40.4	50	10.8	2
North Carolina	15.6	29	5.0	26	6.1	29	65.1	15	59.9	12	4.5	38
South Carolina	14.8	36	6.3	15	7.9	15	61.7	32	56.6	30	5.6	29
Georgia	13.4	41	6.4	14	7.4	19	63.3	23	57.6	28	5.5	30
Florida	20.3	1	4.1	36	5.0	44	58.9	41	54.1	40	5.3	33
East South Central	**16.5**	(x)	**7.4**	(x)	**12.2**	(x)	**57.2**	(x)	**52.1**	(x)	**8.0**	(x)
Kentucky	16.7	12	7.0	10	12.1	4	55.9	47	49.5	48	8.8	6
Tennessee	16.2	18	6.4	13	10.0	7	59.2	40	54.5	38	6.6	19
Alabama	16.7	14	6.5	12	10.6	5	57.5	44	52.1	43	7.8	12
Mississippi	16.7	13	11.1	1	18.7	1	55.1	48	51.3	46	10.2	4
West South Central	**13.6**	(x)	**5.4**	(x)	**9.9**	(x)	**60.5**	(x)	**56.0**	(x)	**8.8**	(x)
Arkansas	19.0	3	5.9	19	9.5	9	56.3	46	51.9	44	8.1	10
Louisiana	13.9	38	8.8	3	16.2	2	53.6	49	49.4	49	12.0	1
Oklahoma	15.7	26	4.8	29	8.3	14	60.3	36	55.8	34	7.4	15
Texas	12.3	46	4.5	32	8.6	13	62.9	25	58.4	23	8.4	8
Mountain	**13.5**	(x)	**3.7**	(x)	**6.2**	(x)	**62.5**	(x)	**57.8**	(x)	**7.2**	(x)
Montana	16.2	20	4.5	31	7.0	23	62.5	28	58.2	25	7.4	15
Idaho	14.9	33	2.7	48	5.8	33	61.1	34	56.3	32	8.0	11
Wyoming	11.6	48	3.2	46	5.3	38	62.8	26	59.0	19	8.6	7
Colorado	11.7	47	3.7	42	5.8	32	69.2	2	60.4	10	7.7	13
New Mexico	13.4	40	5.7	21	10.1	6	57.9	43	52.8	42	8.9	5
Arizona	15.8	24	3.5	44	6.3	27	60.2	37	54.3	39	6.2	24
Utah	10.4	49	3.2	45	5.1	42	65.2	14	59.9	12	6.4	20
Nevada	13.7	39	2.6	49	3.4	49	68.2	4	65.8	1	6.3	22
Pacific	**13.2**	(x)	**7.9**	(x)	**6.0**	(x)	**62.9**	(x)	**57.2**	(x)	**6.0**	(x)
Washington	14.8	35	5.8	20	6.4	26	61.4	33	58.3	24	7.6	14
Oregon	17.1	10	4.0	37	7.5	18	62.5	28	58.6	22	6.2	24
California	12.7	45	8.8	2	5.7	34	63.1	24	56.6	30	5.8	27
Alaska	5.5	50	4.3	34	5.5	36	64.4	20	64.3	3	10.8	2
Hawaii	12.7	44	4.9	28	7.6	17	64.8	18	60.4	10	3.8	44

X Not applicable. [1] Source: U.S. Social Security Administration. Data compiled by U.S. Bureau of the Census. [2] See table 579, 1989 Statistical Abstract. [3] See table 606, 1989 Statistical Abstract. Total recipients of Aid to Families with Dependent Children and Federal Supplemental Security Income as a percent of resident population. [4] See table 603, 1989 Statistical Abstract. Source: U.S. Department of Agriculture, Food and Nutrition Service. [5] See table 623, 1989 Statistical Abstract. Source: U.S. Bureau of Labor Statistics. [6] Civilian employment as a percent of civilian noninstitutional population. [7] Unemployed as percent of civilian labor force.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	NONAGRICULTURAL EMPLOYMENT [1]				AVERAGE ANNUAL PAY, [2] 1987		GROSS STATE PRODUCT [3]					
	Percent increase, 1980–1987		Services, percent of total, 1987				Total, 1986		Percent change, 1980–1986		Manufacturing, percent of total, 1986	
	Percent	Rank	Percent	Rank	Dollars	Rank	Mil. dol.	Rank	Percent	Rank	Percent	Rank
United States	**13.2**	(x)	**23.8**	(x)	**20,855**	(x)	**4,191,705**	(x)	**57.0**	(x)	**19.7**	(x)
New England	**16.7**	(x)	**25.5**	(x)	(NA)	(x)	**245,850**	(x)	**77.6**	(x)	**23.0**	(x)
Maine	19.9	11	21.6	34	17,447	41	17,326	42	69.9	12	21.1	20
New Hampshire	33.5	3	22.2	28	19,414	23	18,518	41	98.6	1	26.0	9
Vermont	22.0	9	24.6	11	17,703	40	8,636	50	76.5	8	22.9	16
Massachusetts	14.9	18	27.8	2	22,486	7	115,526	10	77.6	7	21.7	19
Rhode Island	13.3	22	25.1	8	18,858	27	15,205	43	65.6	15	24.3	13
Connecticut	14.9	18	23.5	18	24,322	3	70,639	22	77.7	5	24.3	12
Middle Atlantic	**10.2**	(x)	**26.3**	(x)	(NA)	(x)	**701,060**	(x)	**63.7**	(x)	**18.7**	(x)
New York	11.7	26	27.3	4	24,634	2	362,736	2	69.4	13	16.5	32
New Jersey	17.3	14	24.4	12	23,842	4	154,765	8	74.8	9	19.7	26
Pennsylvania	3.4	41	25.9	7	20,408	15	183,559	5	46.2	35	22.1	18
East North Central	**5.0**	(x)	**22.4**	(x)	(NA)	(x)	**700,852**	(x)	**45.9**	(x)	**26.8**	(x)
Ohio	4.9	37	23.0	22	20,568	12	176,102	7	44.8	37	29.2	4
Indiana	8.2	32	19.5	43	19,692	18	84,922	14	43.8	39	29.8	3
Illinois	.9	44	23.6	17	22,250	8	209,666	4	46.5	34	20.2	24
Michigan	7.8	33	22.0	31	23,081	6	153,240	9	47.6	32	31.0	2
Wisconsin	7.3	34	21.9	33	18,890	25	76,922	17	45.5	36	27.7	6
West North Central	**7.4**	(x)	**22.9**	(x)	(NA)	(x)	**292,524**	(x)	**48.0**	(x)	**19.5**	(x)
Minnesota	10.7	30	24.2	13	20,450	14	75,626	19	54.8	25	20.9	23
Iowa	-.3	45	22.2	28	17,292	42	43,836	29	27.3	47	21.1	21
Missouri	10.9	28	23.0	22	19,601	21	83,534	15	57.2	24	22.6	17
North Dakota	2.9	42	24.2	13	16,157	48	10,733	48	31.8	45	5.8	46
South Dakota	7.1	35	23.9	15	14,963	50	9,802	49	41.6	41	10.0	43
Nebraska	4.9	37	22.8	25	16,526	46	26,521	34	46.7	33	13.8	37
Kansas	5.8	36	20.1	41	18,424	34	42,472	30	51.3	27	18.7	27
South Atlantic	**23.4**	(x)	**22.9**	(x)	(NA)	(x)	**671,591**	(x)	**73.0**	(x)	**17.9**	(x)
Delaware	23.6	8	22.8	25	20,764	10	11,706	46	66.1	14	28.4	5
Maryland	17.9	13	26.5	6	21,324	9	76,504	18	70.3	11	11.9	41
District of Columbia	6.3	(x)	35.1	(x)	28,477	(x)	28,791	(x)	51.3	(x)	3.6	(x)
Virginia	24.2	7	23.4	10	19,963	17	104,155	11	77.6	6	17.9	29
West Virginia	-7.4	49	20.9	37	18,820	28	24,096	35	25.5	48	14.5	35
North Carolina	20.0	10	17.0	49	17,861	38	100,961	13	71.5	10	31.4	1
South Carolina	17.2	15	17.4	48	17,279	43	44,727	28	64.0	17	26.7	8
Georgia	28.0	4	19.4	44	19,651	19	102,922	12	85.4	2	20.9	22
Florida	35.7	2	26.9	5	18,674	31	177,729	6	81.7	3	10.8	42
East South Central	**10.6**	(x)	**19.2**	(x)	(NA)	(x)	**212,300**	(x)	**53.5**	(x)	**24.7**	(x)
Kentucky	8.5	31	20.9	37	18,008	37	53,135	26	44.3	38	24.0	14
Tennessee	15.0	17	20.3	40	18,501	33	72,328	21	60.7	19	25.0	10
Alabama	10.8	29	18.3	45	18,318	35	55,007	24	57.3	21	23.5	15
Mississippi	4.2	40	16.0	50	15,938	49	31,830	32	48.3	29	27.2	7
West South Central	**6.5**	(x)	**21.5**	(x)	(NA)	(x)	**459,383**	(x)	**41.3**	(x)	**15.9**	(x)
Arkansas	12.5	24	18.3	45	16,529	45	31,633	33	57.2	23	24.6	11
Louisiana	-6.1	48	21.6	34	18,707	30	74,426	20	19.7	49	13.0	39
Oklahoma	-2.9	47	21.0	36	18,615	32	49,814	27	32.0	44	14.3	36
Texas	11.1	27	22.0	31	20,463	13	303,510	3	48.0	30	16.0	34
Mountain	**16.4**	(x)	**25.4**	(x)	(NA)	(x)	**216,473**	(x)	**53.3**	(x)	**11.5**	(x)
Montana	-2.1	46	23.4	19	16,438	47	12,163	45	27.7	46	7.2	45
Idaho	1.2	43	20.4	39	17,062	44	13,170	44	36.2	43	16.3	33
Wyoming	-14.3	50	17.8	47	18,817	29	11,673	47	7.1	50	2.8	50
Colorado	11.9	25	23.7	16	20,736	11	59,177	23	57.3	22	12.9	40
New Mexico	14.0	21	23.2	21	17,767	39	23,603	37	43.6	40	8.0	44
Arizona	36.5	1	24.9	9	19,610	20	53,253	25	77.9	4	13.5	38
Utah	16.0	16	23.0	22	18,303	36	24,008	36	58.8	20	16.6	31
Nevada	24.8	5	44.5	1	19,521	22	19,426	39	62.3	18	4.8	49
Pacific	**16.7**	(x)	**24.4**	(x)	(NA)	(x)	**691,672**	(x)	**59.9**	(x)	**17.5**	(x)
Washington	14.4	20	22.7	27	20,110	16	77,683	16	51.3	28	17.3	30
Oregon	4.7	39	22.1	30	18,888	26	41,278	31	36.6	42	19.8	25
California	18.4	12	24.9	9	23,100	5	533,816	1	64.2	16	18.3	28
Alaska	24.3	6	20.0	42	28,008	1	19,575	38	52.2	26	5.0	48
Hawaii	13.3	22	27.5	3	19,091	24	19,320	40	47.8	31	5.2	47

NA Not available. X Not applicable. Minus sign (–) indicates decrease.

[1] See table 656, 1989 Statistical Abstract. Source: U.S. Bureau of Labor Statistics.

[2] See table 664, 1989 Statistical Abstract. Source: U.S. Bureau of Labor Statistics. For workers covered by state unemployment insurance laws and for Federal civilian workers covered by unemployment compensation for Federal employees. Pay includes bonuses, cash value of meals and lodging, and tips and other gratuities.

[3] Preliminary. See table 697, 1989 Statistical Abstract. Source: U.S. Bureau of Economic Analysis.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	DISPOSABLE PERSONAL INCOME PER CAPITA, ¹ 1987		BANK DEPOSITS PER CAPITA, ² 1987		ENERGY PRODUCTION, ³ 1987				ENERGY CONSUMPTION PER CAPITA, ⁶ 1986		VEHICLE MILES OF TRAVEL PER MILE OF ROAD, ⁷ 1986	
					Percent coal, ⁴		Percent nuclear, ⁵					
	Dollars	Rank	Dollars	Rank	Percent	Rank	Percent	Rank	Dollars	Rank	Miles	Rank
United States	**13,143**	(x)	**8,134**	(x)	**56.9**	(x)	**17.7**	(x)	**308**	(x)	**474**	(x)
New England	**15,674**	(x)	(NA)	(x)	**19.0**	(x)	**33.3**	(x)	**223**	(x)	(NA)	(x)
Maine	12,092	29	4,855	49	-	45	48.7	5	281	34	455	22
New Hampshire	15,363	5	7,188	28	50.5	27	-	32	210	48	545	17
Vermont	12,153	28	8,061	17	-	45	76.9	1	213	47	343	32
Massachusetts	15,972	3	10,902	4	33.6	36	3.3	30	219	45	1,204	6
Rhode Island	13,522	14	8,915	11	2.4	44	-	32	200	49	900	8
Connecticut	17,784	1	8,523	16	5.8	43	61.9	2	220	44	1,223	5
Middle Atlantic	**14,695**	(x)	(NA)	(x)	**42.4**	(x)	**26.7**	(x)	**237**	(x)	(NA)	(x)
New York	14,660	6	13,925	2	16.5	39	19.5	20	191	50	860	10
New Jersey	17,280	2	8,030	18	18.9	38	57.8	4	286	31	1,629	2
Pennsylvania	13,085	19	8,824	12	69.7	19	24.1	16	275	37	671	13
East North Central	**12,990**	(x)	(NA)	(x)	**79.4**	(x)	**19.0**	(x)	**312**	(x)	(NA)	(x)
Ohio	12,453	25	6,745	36	93.0	6	6.3	29	331	17	718	12
Indiana	11,856	33	7,458	24	98.8	2	-	32	404	6	446	25
Illinois	14,085	9	9,773	5	52.7	26	45.7	6	291	27	550	16
Michigan	13,065	20	6,932	32	81.7	13	16.5	23	283	32	612	14
Wisconsin	12,715	22	7,146	29	70.5	18	25.7	15	268	38	353	29
West North Central	**12,676**	(x)	(NA)	(x)	**74.4**	(x)	**18.1**	(x)	**314**	(x)	(NA)	(x)
Minnesota	13,436	16	9,351	7	62.9	21	33.6	11	289	28	255	37
Iowa	12,213	27	9,158	8	85.0	12	9.9	27	314	22	181	42
Missouri	12,659	23	8,731	15	85.7	11	11.4	25	283	32	348	30
North Dakota	11,504	34	9,093	10	91.2	8	-	32	451	5	65	50
South Dakota	11,377	35	11,770	3	14.4	40	-	32	280	35	84	49
Nebraska	12,479	24	9,113	9	49.6	29	41.9	8	306	23	137	46
Kansas	12,757	21	8,732	14	74.9	16	21.0	19	395	7	149	44
South Atlantic	**12,710**	(x)	(NA)	(x)	**62.2**	(x)	**25.7**	(x)	**275**	(x)	(NA)	(x)
Delaware	13,572	13	30,686	1	69.1	20	-	32	338	15	1,094	7
Maryland	15,128	7	7,201	27	57.9	22	27.7	13	256	40	1,271	3
District of Columbia	16,708	(x)	19,052	(x)	-	(x)	-	(x)	275	(x)	3,000	(x)
Virginia	13,979	10	7,591	21	48.3	34	42.5	7	288	29	786	11
West Virginia	9,587	49	6,932	32	99.2	1	-	32	376	9	376	28
North Carolina	11,239	36	6,402	39	56.9	23	36.3	9	276	36	565	15
South Carolina	10,238	42	3,989	50	35.5	35	61.0	3	320	19	447	24
Georgia	11,918	31	6,498	38	78.3	15	17.8	21	300	25	533	18
Florida	13,314	17	7,555	22	49.3	32	16.9	22	228	43	881	9
East South Central	**10,294**	(x)	(NA)	(x)	**81.2**	(x)	**8.7**	(x)	**348**	(x)	(NA)	(x)
Kentucky	10,354	41	7,389	25	95.4	5	-	32	349	13	421	26
Tennessee	11,209	37	6,941	31	87.0	10	-.2	50	345	14	471	21
Alabama	10,068	45	5,944	43	72.8	17	16.2	24	359	12	386	27
Mississippi	8,868	50	6,032	42	49.6	29	34.5	10	336	16	267	36
West South Central	**11,176**	(x)	(NA)	(x)	**47.2**	(x)	**6.9**	(x)	**520**	(x)	(NA)	(x)
Arkansas	9,998	46	6,589	37	53.4	25	31.3	12	317	20	228	41
Louisiana	9,933	47	6,832	35	29.4	37	24.0	17	718	2	514	20
Oklahoma	10,089	44	7,228	26	49.4	31	-	32	365	11	278	35
Texas	11,886	32	8,753	13	50.0	28	-	32	526	4	519	19
Mountain	**11,787**	(x)	(NA)	(x)	**75.3**	(x)	**6.3**	(x)	**303**	(x)	(NA)	(x)
Montana	10,788	38	7,671	20	56.7	24	-	32	385	8	107	48
Idaho	10,404	40	5,878	44	-	45	-	32	328	18	109	47
Wyoming	10,454	39	7,734	19	97.8	3	-	32	682	3	139	45
Colorado	13,158	18	6,137	40	90.9	9	.6	31	266	39	346	31
New Mexico	10,113	43	5,583	46	92.4	7	-	32	317	20	246	38
Arizona	12,427	26	6,921	34	49.1	33	26.1	14	256	40	294	34
Utah	9,727	48	5,150	48	95.7	4	-	32	287	30	243	39
Nevada	13,696	11	6,091	41	80.7	14	-	32	305	24	180	43
Pacific	**14,690**	(x)	(NA)	(x)	**3.2**	(x)	**15.2**	(x)	**289**	(x)	(NA)	(x)
Washington	13,773	12	5,642	45	9.8	41	6.6	28	371	10	447	23
Oregon	11,960	30	5,369	47	-.1	50	11.0	26	296	26	240	40
California	15,138	6	7,136	30	-	45	23.3	18	240	42	1,227	4
Alaska	15,724	4	7,546	23	6.4	42	-	32	891	1	294	33
Hawaii	13,461	15	9,376	6	-	45	-	32	217	46	1,750	1

- Represents zero. NA Not available. X Not applicable. [1] See table 699, 1989 Statistical Abstract. Source: U.S. Bureau of Economic Analysis. [2] See table 796, 1989 Statistical Abstract. Source: Board of Governors of the Federal Reserve System. [3] Source: U.S. Energy Information Administration. [4] See table 954, 1989 Statistical Abstract. [5] See table 962, 1989 Statistical Abstract. [6] See table 929, 1989 Statistical Abstract. Source: U.S. Energy Information Administration and U.S. Bureau of the Census. [7] See table 1012, 1989 Statistical Abstract. Source: U.S. Federal Highway Administration.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	MOTOR VEHICLE ACCIDENT DEATHS PER 100,000 POPULATION, [1] 1986		FARMS [2]						EXISTING HOME SALES, PERCENT INCREASE, [6] 1986–1987		HOUSING STARTS, PERCENT INCREASE, [7] 1986–1987	
			Average value per acre, percent increase,[3] 1985–1986		Marketings, cash receipts, [4] 1987		Debt/asset ratio, [5] 1987					
	Rate	Rank	Percent	Rank	Mil.dol.	Rank	Ratio	Rank	Percent	Rank	Percent	Rank
United States	**20.0**	(x)	**–16.9**	(x)	**138,094**	(x)	**18.9**	(x)	**–.3**	(x)	**–10.2**	(x)
New England	**14.8**	(x)	(NA)	(x)	**1,783**	(x)	(NA)	(x)	**11.2**	(x)	**–5.4**	(x)
Maine	18.6	32	44.4	5	413	42	13.6	36	14.3	7	–8.6	31
New Hampshire	17.6	37	43.6	6	104	48	5.1	49	–5.4	40	–25.4	44
Vermont	19.4	31	32.3	7	412	43	10.8	42	9.7	10	–	15
Massachusetts	13.3	48	49.0	4	393	44	7.4	45	18.8	3	–5.1	25
Rhode Island	15.9	41	87.1	1	75	49	4.9	50	–.7	30	2.7	14
Connecticut	14.0	46	53.2	3	366	45	6.9	46	1.0	22	4.2	12
Middle Atlantic	**14.0**	(x)	(NA)	(x)	**6,314**	(x)	(NA)	(x)	**.9**	(x)	**–9.4**	(x)
New York	12.3	49	18.3	9	2,527	21	18.1	24	3.3	19	–19.3	41
New Jersey	13.9	47	75.6	2	563	39	6.0	48	–1.4	31	–2.3	20
Pennsylvania	16.6	39	20.5	8	3,224	14	11.1	41	.5	24	–6.9	26
East North Central	**16.2**	(x)	(NA)	(x)	**20,989**	(x)	(NA)	(x)	**–2.8**	(x)	**1.5**	(x)
Ohio	15.0	43	–12.0	19	3,422	13	15.2	29	.6	23	7.8	8
Indiana	19.6	29	–21.9	38	3,872	10	21.9	11	4.3	18	–2.4	21
Illinois	14.1	45	–15.2	23	6,174	5	18.0	25	–2.2	36	9.9	7
Michigan	18.2	34	–18.9	30	2,504	22	21.7	13	–9.1	46	–8.2	30
Wisconsin	16.1	40	–25.6	44	5,017	9	26.5	1	–4.7	39	–4.7	24
West North Central	**19.1**	(x)	(NA)	(x)	**35,856**	(x)	(NA)	(x)	**–1.8**	(x)	**–1.0**	(x)
Minnesota	14.4	44	–31.6	47	5,809	6	26.0	2	–7.6	41	–.6	18
Iowa	15.7	42	–16.4	26	8,780	3	22.8	8	4.8	16	3.6	13
Missouri	23.8	18	–13.4	21	3,691	12	18.5	21	–	25	4.4	11
North Dakota	17.7	36	–18.9	29	2,308	24	21.2	15	17.9	5	–	15
South Dakota	21.5	24	–25.2	42	2,723	20	24.6	4	–1.5	32	–	15
Nebraska	19.5	30	–17.6	28	6,823	4	24.3	5	–8.6	43	–16.4	37
Kansas	21.1	25	–21.0	36	5,722	7	21.0	17	–	25	–7.4	27
South Atlantic	**24.4**	(x)	(NA)	(x)	**16,488**	(x)	(NA)	(x)	**.8**	(x)	**–8.0**	(x)
Delaware	25.3	14	15.4	10	485	41	18.2	22	7.8	14	21.1	4
Maryland	17.8	35	–4.0	17	1,128	35	14.2	34	–9.7	47	–.7	19
District of Columbia	13.8	(x)	(x)	(x)	(x)	(x)	(x)	(x)	–9.5	(x)	20.0	(x)
Virginia	19.7	28	4.8	12	1,692	31	12.8	37	–13.3	49	–18.6	40
West Virginia	24.5	16	–2.2	15	221	47	9.8	43	–7.8	42	–8.0	28
North Carolina	27.3	10	–14.5	22	3,715	11	17.8	26	1.0	21	–15.0	36
South Carolina	31.9	4	–2.8	16	931	36	17.3	27	5.0	15	–11.5	33
Georgia	26.3	13	–	14	3,087	17	20.9	18	18.5	4	–11.0	32
Florida	25.0	15	4.5	13	5,227	8	14.5	32	8.7	12	–2.5	22
East South Central	**27.4**	(x)	(NA)	(x)	**8,476**	(x)	(NA)	(x)	**1.4**	(x)	**–9.0**	(x)
Kentucky	22.3	19	–13.2	20	2,417	23	16.8	28	9.4	11	7.0	10
Tennessee	28.6	8	12.4	11	1,933	28	11.2	40	–.7	29	–8.0	29
Alabama	29.1	7	–4.9	18	2,148	25	14.9	30	–1.8	35	–16.9	38
Mississippi	29.9	5	–21.3	37	1,979	27	24.7	3	–	25	–19.8	42
West South Central	**22.5**	(x)	(NA)	(x)	**16,401**	(x)	(NA)	(x)	**6.7**	(x)	**–34.0**	(x)
Arkansas	26.3	12	–24.0	40	3,143	16	22.3	10	–8.7	44	–13.3	35
Louisiana	21.9	22	–43.6	48	1,420	32	23.7	6	18.8	2	–27.1	45
Oklahoma	21.9	23	–25.6	43	2,752	19	21.1	16	–9.7	48	–20.4	43
Texas	22.2	21	–28.5	46	9,086	2	14.0	35	12.8	8	–38.7	49
Mountain	**27.7**	(x)	(NA)	(x)	**10,994**	(x)	(NA)	(x)	**–3.3**	(x)	**–23.1**	(x)
Montana	29.4	6	–26.1	45	1,347	33	21.4	14	–2.5	37	66.7	1
Idaho	27.3	11	–21.0	35	2,047	26	22.5	9	–3.5	38	–2.6	23
Wyoming	32.1	3	–20.9	34	642	37	12.7	38	–1.6	33	28.6	2
Colorado	20.1	27	–16.3	25	3,191	15	19.0	20	–1.7	34	–38.7	48
New Mexico	36.5	1	–19.0	31	1,147	34	14.4	33	2.6	20	–17.6	39
Arizona	32.7	2	–19.2	32	1,781	30	18.2	22	–8.8	45	–30.2	46
Utah	22.2	20	–16.7	27	596	38	12.6	39	–	25	–44.6	50
Nevada	28.3	9	–15.7	24	243	46	14.7	31	10.9	9	26.5	3
Pacific	**20.0**	(x)	(NA)	(x)	**20,812**	(x)	(NA)	(x)	**3.7**	(x)	**–8.9**	(x)
Washington	17.1	38	–24.3	41	2,841	18	20.0	19	–13.8	50	19.5	5
Oregon	24.0	17	–19.5	33	1,861	29	21.8	12	7.8	13	15.3	6
California	20.5	26	–22.3	39	15,522	1	23.5	7	4.6	17	–13.3	34
Alaska	18.4	33	(NA)	(x)	29	50	6.8	47	26.2	1	–31.3	47
Hawaii	11.7	50	(NA)	(x)	559	40	8.2	44	15.0	6	7.7	9

– Represents zero. NA Not available. X Not applicable. [1] See table 1019, 1989 Statistical Abstract. Source: U.S. National Center for Health Statistics. [2] Source: U.S. Department of Agriculture, Economic Research Service. [3] See table 1088, 1989 Statistical Abstract. Covers land and buildings. Minus sign (–) indicates decrease. [4] See table 1100, 1989 Statistical Abstract. [5] See table 1099, 1989 Statistical Abstract. [6] See table 1237, 1989 Statistical Abstract. Source: NATIONAL ASSOCIATION OF REALTORS, Washington, DC. (Copyright). [7] See table 1230, 1989 Statistical Abstract. Source: National Association of Home Builders, Washington, DC.

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	MANUFACTURING ESTABLISHMENTS [1 2]				EXPORT-RELATED MANUFACTURING EMPLOYMENT, [1 3] 1984				EXPORTS, [1 4] 1987		RETAIL SALES PER CAPITA, [5] 1987	
	Value added, 1986		Production workers, percent increase 1982–1986		Total		Percent of total manufacturing					
	Bil. dol.	Rank	Percent	Rank	Number (1,000)	Rank	Percent	Rank	Mil. dol.	Rank	Dollars	Rank
United States	**1,035.8**	(x)	**-5.1**	(x)	**2,179**	(x)	**11.4**	(x)	[6] **189,153**	(x)	**6,348**	(x)
New England	**72.0**	(x)	**-10.4**	(x)	**195**	(x)	**13.4**	(x)	(NA)	(x)	**8,018**	(x)
Maine	4.8	37	-10.5	41	11	36	10.3	30	500	41	7,537	8
New Hampshire	5.2	35	-8.0	33	14	34	11.9	17	710	35	9,200	1
Vermont	2.2	42	-6.7	31	7	41	15.2	4	562	38	7,924	6
Massachusetts	33.9	11	-10.3	39	91	8	13.8	7	6,967	9	8,011	4
Rhode Island	4.4	39	-8.4	34	12	35	10.5	27	383	43	6,847	13
Connecticut	21.4	18	-10.2	38	60	12	14.4	5	2,616	19	8,193	2
Middle Atlantic	**163.2**	(x)	**-13.2**	(x)	**357**	(x)	**11.1**	(x)	(NA)	(x)	**6,311**	(x)
New York	73.3	2	-14.8	45	151	2	11.2	21	14,973	3	6,097	26
New Jersey	37.9	9	-12.0	43	79	9	10.6	26	5,024	12	7,148	10
Pennsylvania	52.1	7	-12.0	44	127	4	11.3	20	4,642	13	6,003	27
East North Central	**245.3**	(x)	**.1**	(x)	**505**	(x)	**11.9**	(x)	(NA)	(x)	**6,099**	(x)
Ohio	66.2	3	1.2	12	144	3	12.8	11	7,572	8	6,044	29
Indiana	35.0	10	-.7	21	72	10	11.8	18	3,185	16	6,196	24
Illinois	58.6	4	-10.4	40	117	6	11.0	22	6,864	10	6,150	25
Michigan	56.9	5	11.5	1	118	5	12.5	14	12,968	4	6,240	23
Wisconsin	28.6	13	.9	13	54	13	10.7	24	3,077	17	5,714	40
West North Central	**76.3**	(x)	**-1.1**	(x)	**140**	(x)	**10.7**	(x)	(NA)	(x)	**6,215**	(x)
Minnesota	19.8	19	.5	15	47	16	12.7	13	3,321	15	6,807	15
Iowa	13.2	24	-9.3	36	20	28	10.1	34	1,395	29	5,795	37
Missouri	24.0	14	.4	16	43	17	10.4	29	1,829	25	6,271	22
North Dakota	.7	48	-10.0	37	2	44	11.4	19	232	46	6,454	19
South Dakota	1.5	44	5.6	3	2	44	6.7	47	50	49	5,790	38
Nebraska	5.4	34	-1.6	25	9	39	10.0	35	559	39	5,941	33
Kansas	11.7	27	3.5	7	17	31	9.2	39	1,171	31	5,799	36
South Atlantic	**156.0**	(x)	**-.4**	(x)	**275**	(x)	**9.1**	(x)	(NA)	(x)	**6,543**	(x)
Delaware	3.0	40	-6.3	30	9	39	12.8	11	611	37	7,224	9
Maryland	12.4	26	-8.9	35	24	27	10.7	24	1,467	27	7,110	12
District of Columbia	1.3	(x)	-	(x)	1	(x)	3.9	(x)	125	(x)	5,472	(x)
Virginia	24.0	15	3.8	5	37	20	9.0	41	5,642	11	6,798	16
West Virginia	4.8	38	-6.2	29	11	36	13.1	9	1,020	32	5,401	45
North Carolina	42.2	8	-1.5	23	69	11	8.3	43	4,466	14	5,865	35
South Carolina	16.5	20	-3.9	27	34	21	9.4	38	1,729	26	5,550	43
Georgia	28.8	12	4.3	4	42	18	7.7	45	3,009	18	6,374	20
Florida	23.1	17	1.4	9	48	14	10.2	32	7,624	7	7,136	11
East South Central	**64.1**	(x)	-	(x)	**114**	(x)	**8.9**	(x)	(NA)	(x)	**5,355**	(x)
Kentucky	15.9	21	-1.7	26	26	24	10.3	30	1,833	24	5,533	44
Tennessee	23.6	16	.9	14	42	18	8.7	42	1,902	22	5,902	34
Alabama	15.6	23	-.8	22	31	22	9.1	40	1,850	23	4,938	48
Mississippi	9.0	33	1.3	11	15	33	7.0	46	973	33	4,742	50
West South Central	**86.9**	(x)	**-16.6**	(x)	**171**	(x)	**11.2**	(x)	(NA)	(x)	**6,069**	(x)
Arkansas	9.2	31	1.3	10	16	32	8.1	44	519	40	5,079	47
Louisiana	12.6	25	-23.9	48	19	29	10.2	32	9,775	6	5,641	42
Oklahoma	9.0	32	-17.4	46	19	29	11.0	22	842	34	5,951	31
Texas	56.1	8	-19.0	47	117	6	12.0	16	19,706	2	6,347	21
Mountain	**31.9**	(x)	**-1.5**	(x)	**76**	(x)	**13.2**	(x)	(NA)	(x)	**6,147**	(x)
Montana	.9	47	-	17	1	48	6.3	48	239	45	5,751	39
Idaho	2.6	41	2.9	8	5	42	9.7	37	423	42	5,262	46
Wyoming	.4	50	-28.6	49	1	48	5.9	49	6	50	7,769	7
Colorado	10.4	28	-10.9	42	27	23	14.0	6	1,422	28	6,631	18
New Mexico	1.9	43	-	17	3	43	9.9	36	132	48	5,707	41
Arizona	9.5	30	6.9	2	26	24	15.9	3	2,526	20	6,036	30
Utah	5.0	36	3.7	6	11	36	12.1	15	658	36	4,871	49
Nevada	1.2	46	-	17	2	44	10.5	27	309	44	7,989	5
Pacific	**140.2**	(x)	**-5.1**	(x)	**347**	(x)	**13.7**	(x)	(NA)	(x)	**6,619**	(x)
Washington	15.7	22	-6.7	32	48	14	17.2	2	10,591	5	6,084	28
Oregon	9.9	29	-1.5	24	25	26	13.0	10	2,269	21	5,941	32
California	113.0	1	-5.0	28	271	1	13.3	8	27,467	1	6,739	17
Alaska	.5	49	-30.0	50	2	44	26.7	1	1,269	30	8,047	3
Hawaii	1.2	45	-	17	1	48	3.1	50	152	47	6,830	14

- Represents zero. NA Not available. X Not applicable. [1] Source: U.S. Bureau of the Census. [2] See table 1268, 1989 Statistical Abstract. Minus sign (-) indicates decrease. [3] See table 1281, 1989 Statistical Abstract. [4] See table 1370, 1989 Statistical Abstract. [5] See table 1337, 1989 Statistical Abstract. Source: Market Statistics, New York, N.Y. (Copyright). [6] Total U.S. exports amounted to $252,866 million in 1987. However, only the $189,153 million shown could be allocated by state of origin.

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Office of Information and Regulatory Affairs
Office of Management and Budget
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Department of Agriculture

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Information Division
Economic Research Service
U.S. Department of Agriculture
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1301 New York Ave., N.W.
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National Agricultural Statistics Service
National Agricultural Statistics Service
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Section 1

Population

This section presents statistics on the growth, distribution, and characteristics of the U.S. population. The principal source of these data is the Bureau of the Census, which conducts a decennial census of population, a monthly population survey, a program of population estimates and projections, and a number of other periodic surveys relating to population characteristics. For a list of relevant publications, see the Guide to Sources in Appendix I.

Decennial censuses.—The U.S. Constitution provides for a census of the population every 10 years, primarily to establish a basis for apportionment of members of the House of Representatives among the States. For over a century after the first census in 1790, the census organization was a temporary one, created only for each decennial census. In 1902, the Bureau of the Census was established as a permanent Federal agency, responsible for enumerating the population and also for compiling statistics on other subjects.

The census of population is a complete count. That is, an attempt is made to account for every person, for each person's residence, and for other characteristics (sex, age, family relationships, etc.). Since the 1940 census, in addition to the complete count information, some data have been obtained from representative samples of the population. In the 1980 census, two sampling rates were employed. For most of the country, one in every six households (about 17 percent) received the long form or sample questionnaire; in areas estimated to have fewer than 2,500 inhabitants, every other household (50 percent) received the sample questionnaire to enhance the reliability of sample data in small areas. Exact agreement is not to be expected between sample data and the complete census count. Sample data may be used with confidence where large numbers are involved and assumed to indicate trends and relationships where small numbers are involved.

Three different census counts for the resident population in 1970 are shown in the tables: 203,211,926; 203,235,298; and 203,302,031. The first is the initial tabulated count, the second is the official count, and the third contains the latest revisions. Breakdowns of the revised count of 203,302,031 are not available for demographic characteristics and may not be available for some levels of geography. The complete count data from the 1980 census shown in this edition are consistent with figures published in the 1980 census final reports, series PC80-1-A.

Census data presented here have not been adjusted for underenumeration. Results from the evaluation program for the 1980 census did not produce a definitive estimate of the undercount, but did show that coverage improved substantially over previous censuses. The 1980 Post-Enumeration Program (PEP) estimates of overall coverage ranged between a 1.0 percent overcount and a 2.1 percent undercount; Demographic Analysis (DA) estimated the net undercount at between 1.0 and 2.2 percent. Consistent estimates of census coverage for the last 5 censuses (1940-80) have been prepared by the method of demographic analysis. For one set of estimates, demographic analysis shows a net underenumeration of about 3.2 million persons in 1980, 6.1 million in 1970, and 6.2 million in 1960. Among the persons not counted in 1980 about 1.5 million were white-and-other races and 1.7 million were black. The overall rate of net underenumeration in 1980, according to this set of estimates, was 1.4 percent. In 1970, the rate was 2.9 percent as compared with 3.3 percent in 1960 and 4.4 percent in 1950. The percent net undercount of blacks—while still high relative to the rest of the population—dropped from 8.0 percent in 1970 to 5.9 percent in 1980. See *The Coverage of Population in the 1980 Census, Evaluation and Research Reports*, PHC80-E4, for a discussion of the various estimates of census coverage.

Current Population Survey (CPS).—This is a monthly nationwide survey of a scientifically selected sample representing the noninstitutional civilian population. The sample is located in 729 areas comprising approximately 1,200 counties and independent cities with coverage in every State and the District of Columbia and is subject to sampling error. At the present time, about 66,000 housing units or other living quarters are assigned for interview at any time, of which about 55,000 are occupied by households eligible for interview; of these, in turn, between 4 and 5 percent are, for various reasons, unavailable for interview.

While the primary purpose of CPS is to obtain monthly statistics on the labor force, it also serves as a vehicle for inquiries on other subjects. Using CPS data, the Bureau issues a series of publications under the general title of Current Population Reports, which cover population characteristics (series P-20), consumer income (series P-60), special studies (series P-23), and other topics.

Estimates of population characteristics based on the 1980 CPS will not necessarily agree with the counts from the 1980 census because the CPS and the 1980 census used different procedures for collecting and processing the data for racial groups, the Hispanic population, and other topics. Caution should also be used when comparing estimates for 1980 and later, (for education data, 1981 and later), which reflect 1980 census-based population controls, to those for 1971 through 1979 (for education, to 1980), which reflect 1970 census-based population controls. This change in population controls had relatively little impact on derived measures such as means, medians, and percent distribution, but did have a significant impact on levels. For example, use of 1980-based population controls resulted in about a 2-percent increase in the civilian noninstitutional population and in the number of families and households. Thus, estimates of levels for 1980 and later will differ from those for earlier years by more than what could be attributed to actual changes in the population and these differences could be disproportionately greater for subpopulation groups than for the total population.

COMPONENTS OF SELECTED POPULATION UNIVERSES: MARCH 1, 1987

[In thousands]

POPULATION UNIVERSE	Number
Total population including Armed Forces overseas	243,153
Armed Forces overseas	513
Resident population	242,640
Armed Forces in the United States	1,744
Living off post or with their families on post	896
Living on post without families	848
Civilian population	240,896
Institutional population	3,003
Noninstitutional population	237,893
Civilian noninstitutional population plus Armed Forces living off post or with their families on post (March Current Population Survey universe)	238,789
Civilian noninstitutional population (Current Population Survey universe in months other than March)	237,893

Population estimates and projections.—National population estimates are derived by using decennial census data as benchmarks and data available from various agencies as follows: Births and deaths (National Center for Health Statistics); immigrants (Immigration and Naturalization Service); Armed Forces (Department of Defense and Department of Transportation); net movement between Puerto Rico and the U.S. mainland (Puerto Rico Planning Board); and Federal employees abroad (Office of Personnel Management and Department of Defense). Estimates for States and smaller areas are based on data series such as births and deaths, school statistics from State departments of education and parochial school systems, and Federal income tax returns. These estimates contain estimated emigration of 160,000 per year since 1980 and net undocumented immigration of 200,000 per year. For further information, see *Current Population Reports,* series P-25, No. 1022.

The estimates of the components of change shown for intercensal periods for States include a residual net migration plus the "error of closure," the unexplained difference between the estimated population at the end of the decade and the census count for that date. The error of closure at the national level was quite small during the 1950's (3,000) and 1960's (379,000). However, for the 1970's it amounts to almost 5 million.

National population projections indicate the approximate future level and characteristics of the population under given assumptions as to future fertility, mortality, and net immigration. The method used to develop the projections involves preparation of projections of each of the components of population change—births, deaths, and net immigration—and the combination of these with July 1 estimates of the current population. Projections for States incorporate further assumptions about the redistribution of population as a consequence of internal migration.

Population estimates and projections are published in the P-25 and P-26 series of *Current Population Reports.* These estimates and projections are generally consistent with official decennial census figures and do not reflect the amount of estimated census underenumeration. However, these estimates and projections by race have been modified and are not comparable to the 1980 census race categories (see section below under "race"). For details on methodology, see the sources cited below the individual tables.

Immigration.—The principal source of immigration data is the *Statistical Yearbook of the Immigration and Naturalization Service,* published annually by the Immigration and Naturalization Service (INS), a unit of the Department of Justice. Immigration statistics are prepared from entry visas and change of immigration status forms. The collection of U.S. immigration statistics began under the Act of 1819. Data on persons arriving in ports were transmitted to the U.S. Secretary of State, who reported the information periodically to Congress. Subsequently, reports to the Secretary of State and to Congress were required by law, as well as the collection of data on immigrants arriving at land borders. Beginning in 1906, those arriving were divided into immigrants and nonimmigrants, depending on how long they intended to remain in the United States.

Immigrants are aliens admitted for legal permanent residence in the United States. The procedures for admission depend on whether the alien is residing inside or outside the United States at the time of application for permanent residence. Eligible aliens residing outside the U.S. are issued immigrant visas by the U.S. Department of State. Eligible aliens residing in the U.S. are allowed to change their status from temporary to permanent residence at INS district offices. The category, immigrant, includes persons who may have entered the U.S. as nonimmigrants or refugees, but who subsequently changed their status to that of a permanent resident. Thus, immigrants as measured in tables 6 through 9 and 11 and 12 do not equal net civilian immigration as shown in table 5. Nonresident aliens admitted to the United States for a temporary period are nonimmigrants (tables 406 and 407). Refugees are considered nonimmigrants when initially admitted into the U.S.

U.S. immigration law gives preferential immigration status to aliens who are related to certain U.S. citizens or legal permanent residents, aliens with needed job skills, or aliens who qualify as refugees. Immigration to the United States can be divided into two general categories: (1) those subject to the annual worldwide limitation, and (2) those exempt from it. A maximum of 270,000 immigrants may be admitted annually under the current worldwide limitation. Visa allocation is determined by a system consisting of six preference categories, each with its own numerical limitation. The first, second, fourth, and fifth preferences are based on the alien's relationship with a U.S. citizen or legal permanent resident, and the third and sixth preferences are based on needed job skills (see table 9). Aliens not eligible for any of the six preferences may qualify for the nonpreference category. Heavy demand for preference visas has resulted in no nonpreference visas being issued since 1978. Those exempt from the worldwide limitation include immediate relatives of U.S. citizens, refugees and asylees adjusting to permanent residence, and other various classes of special immigrants (see table 9).

Effective November 1966, Cubans admitted or paroled (i.e., admitted without an immigration visa) into the United States after January 1, 1959, and present in the United States for at least 2 years, may obtain permanent resident status. A court decision in September 1976 exempted Cuban refugees from numerical limitations, retroactive to 1968. The Refugee Act of 1980 changed the residency requirement from two years to one year. Beginning in fiscal year 1985, INS began adjusting eligible Cuban entrants who were admitted to the U.S. as part of the Mariel boat lift of 1980, which consisted of approximately 125,000 people.

Effective October 28, 1977, refugees from Vietnam, Laos, or Cambodia were eligible to apply for permanent resident status. Public Law 95-145 provided that Indochinese paroled into the United States after March 31, 1975, or physically present on that date, may become permanent residents after living for at least 2 years in the United States. This period was changed to one year under the Refugee Act of 1980. P.L. 95-145 expired on October 18, 1983. Indochinese refugees who entered the U.S. between March 1975 and April 1980 are eligible to adjust status under P.L. 95-412, the Act of October 5, 1978, which allows for the adjustment of refugee-parolees.

The Refugee Act of 1980, effective April 1, 1980, provides for a uniform admission procedure for refugees of all countries, based on the United Nation's definition of refugees. Authorized admission ceilings are set annually by the President in consultation with Congress. After one year of residence in the United States, refugees are eligible for immigrant status.

Metropolitan Statistical Areas (MSA's), Consolidated Metropolitan Statistical Areas (CMSA's), and Primary Metropolitan Statistical Areas (PMSA's).—The general concept of an MSA is one of a large population nucleus together with adjacent communities which have a high degree of social and economic integration with that nucleus. CMSA's are large metropolitan complexes within which individual components, designated as PMSA's, have been defined. MSA's, CMSA's, and PMSA's are defined by the Office of Management and Budget as a standard for Federal agencies in the preparation and publication of statistics relating to metropolitan areas. The new terms MSA, CMSA, and PMSA went into effect June 30, 1983, replacing the previous terms SMSA (standard metropolitan statistical area) and SCSA (standard consolidated statistical area). The entire territory of the United States is classified as metropolitan (inside MSA's or CMSA's) or nonmetropolitan (outside MSA's or CMSA's). MSA's, CMSA's, and PMSA's are defined in terms of entire counties except in New England, where the definitions are in terms of cities and towns. To summarize data for New England that are available only by counties, New England County Metropolitan Areas (NECMA's) have been defined as a convenience for data users. From time to time, new metropolitan areas are created and the boundaries of others change. As a result, data for metropolitan areas over time may not be comparable and the analysis of historical trends must be made cautiously. For descriptive details, tables showing changes in metropolitan area definitions, and a listing of area titles and components of each metropolitan area, see Appendix II.

Urban and rural.—According to the 1980 census definition, the urban population comprises all persons living in (a) places of 2,500 or more inhabitants incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the New England States, New York, and Wisconsin), but excluding those persons living in the rural portions of extended cities (places with low population density in one or more large parts of their area); (b) census designated places (previously termed unincorporated) of 2,500 or more inhabitants; and (c) other territory, incorporated or unincorporated, included in urbanized areas. An urbanized area consists of a central city or a central core, together with contiguous closely settled territory, that combined have a total population of at least 50,000.

In censuses prior to 1950, the urban population comprised all persons living in incorporated places of 2,500 or more inhabitants and areas (usually minor civil divisions) classified as urban under special rules relating to population size and density. To improve its measure of the urban population, the Bureau of the Census in 1950 adopted the concept of the urbanized area and delineated boundaries for unincorporated places. The 1950 definition has continued substantially unchanged, except for minor modifications in 1960, the introduction of the extended city concept in 1970, and changes in the criteria for defining urbanized areas for 1980 so as to permit such areas to be defined around smaller centers. In all definitions, the population not classified as urban constitutes the rural population.

Residence.—In determining residence, the Bureau of the Census counts each person as an inhabitant of a usual place of residence (i.e., the place where one usually eats and sleeps). While this place is not necessarily a person's legal residence or voting residence, the use of these different bases of classification would produce the same results in the vast majority of cases.

Race.—In the 1980 census, 15 groups were listed in the race item on the 1980 census questionnaire: White, Black, American Indian, Eskimo, Aleut, Chinese, Filipino, Japanese, Asian Indian, Korean, Vietnamese, Hawaiian, Samoan, Guamanian, and Other. The concept of race as used by the Census Bureau does not denote any clear-cut scientific definition of biological stock. Since the 1980 census obtained information on race through self-identification by respondents, the data represent self-classification by people according to the race with which they identify.

In 1980, if persons of mixed racial parentage could not provide a single response to the race question, the race of the person's mother was used; however, if a single response could not be provided for the mother, then the first race reported by the person was used. This is a modification of the 1970 census procedure in which the race of the person's father was used.

The 1980 population totals for "White" and "Other" are not comparable with corresponding figures from previous censuses. The lack of comparability is due to changes in the way some respondents reported their race as well as changes in 1980 census procedures related to the racial classification. (For a fuller explanation, see *1980 Census of Population, Volume I, General Population Characteristics* (PC80-1-B).)

Estimates of the population by race for April 1, 1980 (shown in tables 18 and 21) are modified counts and are not comparable to the 1980 census race categories. These estimates were computed using 1980 census data by race which had been modified to be consistent with the race categories used in the reporting of vital statistics by the U.S. National Center for Health Statistics. A detailed explanation of the race modification procedure appears in *Current Population Reports*, series P-25, No. 917.

In the Current Population Survey (CPS) and other household sample surveys in which data are obtained through personal interview, respondents are asked to classify their race as: (1) White, (2) Black, (3) American Indian, Aleut, or Eskimo, or (4) Asian or Pacific Islander. The procedures for classifying persons of mixed races who could not provide a single response to the race question are generally similar to those used in the 1980 census. For comments on comparability of 1980 CPS and census data, see section above on Current Population Survey.

Hispanic population.—In the 1980 census, the Bureau of the Census collected data on the Hispanic origin population in the United States by using a self-identification question. Persons of Spanish/Hispanic origin or descent are those who classified themselves in one of the specific Hispanic origin categories listed on the questionnaire—Mexican, Puerto Rican, Cuban, or Other Spanish/Hispanic origin. The 1980 figures on Hispanic origin are not directly comparable with 1970 census data on Hispanic origin because of factors such as overall improvements in the 1980 census and improved question design. Also, it should be noted that Hispanic persons may be of any race.

In the Current Population Survey (CPS), information on Hispanic persons was gathered by using a self-identification question. Persons classified themselves in one of the Hispanic categories in response to the question: "What is the origin or descent of each person in this household?" Hispanic persons in the CPS were persons who reported themselves as Mexican-American, Chicano, Mexican, Puerto Rican, Cuban, Central or South American (Spanish countries), or other Hispanic origin.

Nativity.—The native population consists of all persons born in the U.S., Puerto Rico, or an outlying area of the U.S. It also includes persons born at sea or in a foreign country who have at least one American parent. All others are classified as "foreign born."

Mobility status.—The U.S. population is classified according to mobility status on the basis of a comparison between the place of residence of each individual at the time of the survey or census and the place of residence at a specified earlier date. Nonmovers are all persons who were living in the same house or apartment at the end of the period as at the beginning of the period. Movers are all persons who were living in a different house at the end of the period from that in which they were living at the beginning of the period. Movers from abroad include all persons, either citizens or aliens, whose place of residence was outside the U.S. at the beginning of the period; that is, in Puerto Rico, an outlying area under the jurisdiction of the U.S., or a foreign country.

Living arrangements.—Living arrangements refer to residency in households or in group quarters. A "household" comprises all persons who occupy a "housing unit," that is, a house, an apartment or other group of rooms, or a single room that constitutes "separate living quarters." A household includes the related family members and all the unrelated persons, if any, such as lodgers, foster children, wards, or employees who share the housing unit. A person living alone or a group of unrelated persons sharing the same housing unit is also counted as a household. See text, section 26, Construction and Housing, for definition of "housing unit."

All persons not living in households are classified as living in group quarters. These individuals may be institutionalized, e.g., under care or custody in juvenile facilities, jails, correctional centers, hospitals, or rest homes; or they may be residents in college dormitories, military barracks, rooming houses, etc. (see table 76).

Householder.—Since 1980, the terms "householder" and "family householder" have been used in the presentation of data that had previously been presented with the designations "head of household" and "head of family". The householder is the first adult household member listed on the questionnaire. The instructions call for listing first the person (or one of the persons) in whose name the home is owned or rented. If a home is owned or rented jointly by a married couple, either the husband or the wife may be listed first. Prior to 1980, the husband was always considered the household head (householder) in married-couple households.

Family.—The term "family" refers to a group of two or more persons related by birth, marriage, or adoption and residing together in a household. A family includes among its members the householder.

Subfamily.—Subfamilies are divided into "related" and "unrelated" subfamilies. A related subfamily consists of a married couple and their children, if any, or one parent with one or more never married children under 18 years old living in a household and related to, but not including, the householder. Members of a related subfamily are also members of the family with whom they live. The number of related subfamilies, therefore, is not included in the number of families. An unrelated subfamily comprises two or more persons such as guests, lodgers, or resident employees who are related to each other but not to householder.

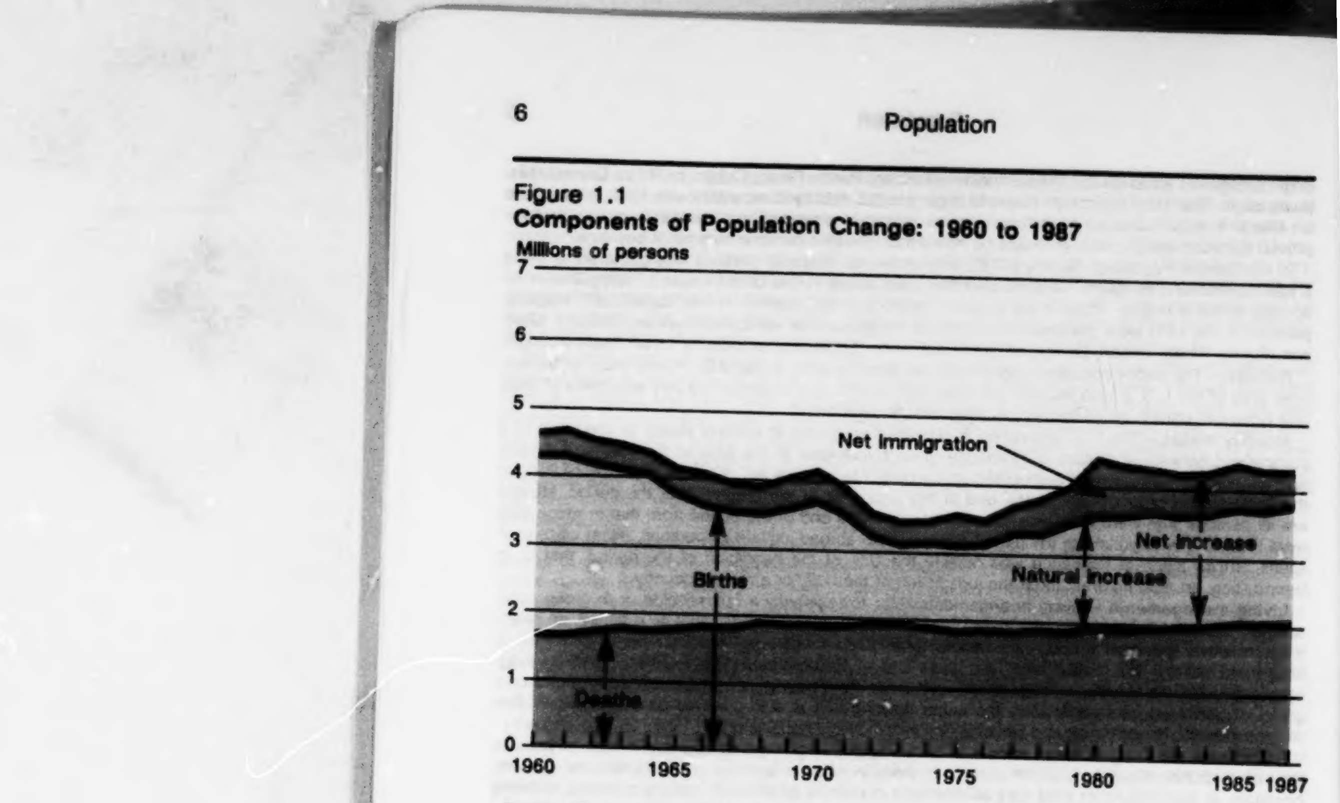
Married couple.—A "married couple" is defined as a husband and wife living together in the same household, with or without children and other relatives.

Unrelated individuals.—"Unrelated individuals" are persons (other than inmates of institutions) who are not living with any relatives. An unrelated individual may be a nonfamily householder who lives alone or with nonrelatives only, or a secondary individual such as a guest, lodger, or resident employee who is not related to any other persons in the household. Persons in group quarters, except inmates of institutions, are classified as secondary individuals.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

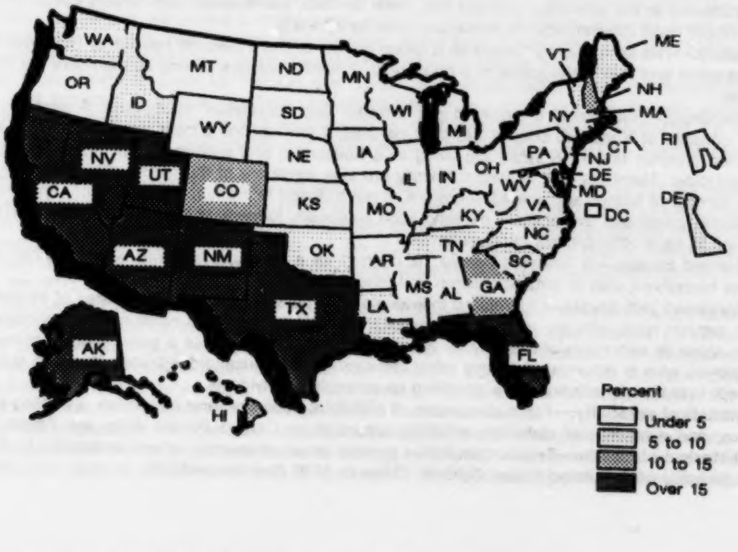
Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Figure 1.1
Components of Population Change: 1960 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 5.

Figure 1.2
State Population–Percent Change: 1980 to 1987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OH
IN
IL
MI
WI
PA
NY
VT
ME
NH
MA
RI
CT
NJ
DE
MD
DC
AK
HI
Percent
Under 5
5 to 10
10 to 15
Over 15

Source: Chart prepared by U.S. Bureau of the Census. For data see table 25.

No. 1. Population and Area: 1790 to 1980

[Area figures represent area on indicated date including in some cases considerable areas not then organized or settled, and not covered by the census. Total area figures for 1790–1970 have been recalculated on the basis of the remeasurement of States and counties for the 1980 census. The land and water area figures for past censuses have not been adjusted and are not strictly comparable with the total area data for comparable dates because the land areas were derived from different base data, and these values are known to have changed with the construction of reservoirs, draining of lakes, etc. Density figures are based on land area measurements as reported in earlier censuses. For additional area data, see table 332]

CENSUS DATE	RESIDENT POPULATION				AREA (square miles)		
	Number	Per square mile of land area	Increase over preceding census		Gross	Land	Water
			Number	Percent			
CONTERMINOUS U.S.[1]							
1790 (Aug. 2)	3,929,214	4.5	(x)	(x)	891,364	864,746	24,065
1800 (Aug. 4)	5,308,483	6.1	1,379,269	35.1	891,364	864,746	24,065
1810 (Aug. 6)	7,239,881	4.3	1,931,398	36.4	1,722,685	1,681,828	34,175
1820 (Aug. 7)	9,638,453	5.5	2,398,572	33.1	1,792,552	1,749,462	38,544
1830 (June 1)	12,866,020	7.4	3,227,567	33.5	1,792,552	1,749,462	38,544
1840 (June 1)	17,069,453	9.8	4,203,433	32.7	1,792,552	1,749,462	38,544
1850 (June 1)	23,191,876	7.9	6,122,423	35.9	2,991,655	2,940,042	52,705
1860 (June 1)	31,443,321	10.6	8,251,445	35.6	3,021,295	2,969,640	52,747
1870 (June 1)	[2] 39,818,449	[2] 13.4	8,375,128	26.6	3,021,295	2,969,640	52,747
1880 (June 1)	50,155,783	16.9	10,337,334	26.0	3,021,295	2,969,640	52,747
1890 (June 1)	62,947,714	21.2	12,791,931	25.5	3,021,295	2,969,640	52,747
1900 (June 1)	75,994,575	25.6	13,046,861	20.7	3,021,295	2,969,834	52,553
1910 (Apr. 15)	91,972,266	31.0	15,977,691	21.0	3,021,295	2,969,565	52,822
1920 (Jan. 1)	105,710,620	35.6	13,738,354	14.9	3,021,295	2,969,451	52,936
1930 (Apr. 1)	122,775,046	41.2	17,064,426	16.1	3,021,295	2,977,128	45,259
1940 (Apr. 1)	131,669,275	44.2	8,894,229	7.2	3,021,295	2,977,128	45,259
1950 (Apr. 1)	150,697,361	50.7	19,028,086	14.5	3,021,295	2,974,726	47,661
1960 (Apr. 1)	178,464,236	60.1	27,766,875	18.4	3,021,295	2,968,054	54,207
UNITED STATES							
1950 (Apr. 1)	151,325,798	42.6	19,161,229	14.5	3,618,770	3,552,206	63,005
1960 (Apr. 1)	179,323,175	50.6	27,997,377	18.5	3,618,770	3,540,911	74,212
1970 (Apr. 1)	[3] 203,302,031	[3] 57.4	23,978,856	13.4	3,618,770	[3] 3,540,023	[3] 78,444
1980 (Apr. 1)	226,545,805	64.0	23,243,774	11.4	3,618,770	3,539,289	79,481

X Not applicable. [1] Excludes Alaska and Hawaii. [2] Revised to include adjustments for underenumeration in southern States; unrevised number is 38,558,371 (13.0 per square mile). [3] Figures corrected after 1970 final reports were issued.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1920* to *1980*, vol. I; and other reports and unpublished data. See also *Areas of the United States, 1940*, and *Area Measurement Reports, 1960*, series GE-20, No. 1.

No. 2. Population: 1900 to 1988

[**In thousands, except percent.** Estimates as of **July 1.** Prior to 1940, excludes Alaska and Hawaii. Total population includes Armed Forces abroad; civilian population excludes Armed Forces. For basis of estimates, see text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series A 6-8]

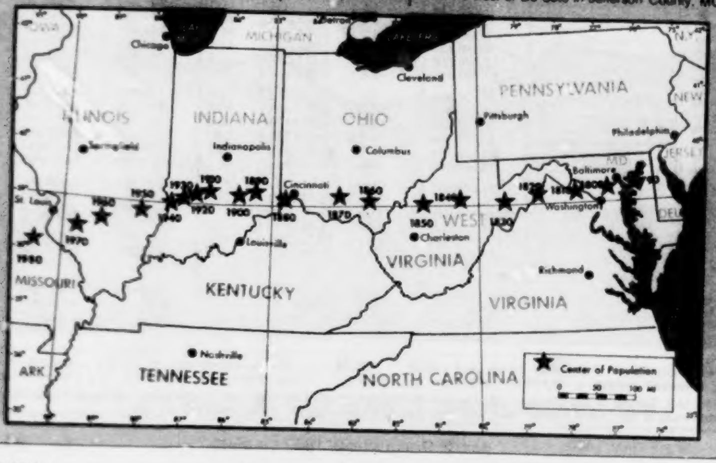
YEAR	Resident population	YEAR	TOTAL		Resident population	Civilian population	YEAR	TOTAL		Resident population	Civilian population
			Population	Percent change				Population	Percent change		
1900	76,094	1950	152,271	1.7	151,868	150,790	1970	205,052	1.2	203,984	201,895
1905	83,822	1951	154,878	1.7	153,982	151,599	1971	207,661	1.3	206,827	204,866
1910	92,407	1952	157,553	1.7	156,393	153,892	1972	209,896	1.1	209,284	207,511
1915	100,546	1953	160,184	1.7	158,956	156,595	1973	211,909	1.0	211,357	209,600
1920	106,461	1954	163,026	1.8	161,884	159,695	1974	213,854	.9	213,342	211,636
1925	115,829	1955	165,931	1.8	165,069	162,967	1975	215,973	1.0	215,465	213,788
1930	123,077	1956	168,903	1.8	168,088	166,055	1976	218,035	1.0	217,563	215,894
1935	127,250	1957	171,984	1.8	171,187	169,110	1977	220,239	1.0	219,760	218,106
1940	132,457	1958	174,882	1.7	174,149	172,226	1978	222,585	1.1	222,095	220,467
1941	133,669	1959	177,830	1.7	177,135	175,277	1979	225,055	1.1	224,567	222,969
1942	134,617	1960	180,671	1.6	179,979	178,140	1980	227,757	1.2	227,255	225,651
1943	135,107	1961	183,691	1.7	182,992	181,143	1981	230,138	1.0	229,637	227,989
1944	133,915	1962	186,538	1.5	185,771	183,677	1982	232,520	1.0	231,996	230,327
1945	133,434	1963	189,242	1.4	188,483	186,493	1983	234,799	1.0	234,284	232,589
1946	140,686	1964	191,889	1.4	191,141	189,141	1984	237,001	1.0	236,477	234,762
1947	144,083	1965	194,303	1.3	193,526	191,605	1985	239,279	1.0	238,736	237,031
1948	146,730	1966	196,560	1.2	195,576	193,420	1986	241,613	1.0	241,096	239,374
1949	149,304	1967	198,712	1.1	197,457	195,264	1987	243,915	1.0	243,400	241,661
		1968	200,706	1.0	199,399	197,113	1988	246,113	1.0	245,602	243,910
		1969	202,677	1.0	201,385	199,145					

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 802, 1023, and 1029.

No. 3. Center of Population: 1790 to 1980

["Center of population" is that point at which an imaginary flat, weightless, and rigid map of the United States would balance if weights of identical value were placed on it so that each weight represented the location of one person on the date of the census]

YEAR	North latitude			West longitude			Approximate location
	°	′	″	°	′	″	
1790 (Aug. 2)	39	16	30	76	11	12	23 miles east of Baltimore, MD
1850 (June 1)	38	59	0	81	19	0	23 miles southeast of Parkersburg, WV
1900 (June 1)	39	9	36	85	48	54	6 miles southeast of Columbus, IN
1950 (Apr. 1)	38	50	21	88	9	33	8 miles north-northwest of Olney, Richland County, IL
1960 (Apr. 1)	38	35	58	89	12	35	In Clinton Co. about 6½ miles northwest of Centralia, IL
1970 (Apr. 1)	38	27	47	89	42	22	5.3 miles east-southeast of the Mascoutah City Hall in St. Clair County, IL
1980 (Apr. 1)	38	8	13	90	34	26	1/4 mile west of De Soto in Jefferson County, MO


IOWA
Chicago
MICHIGAN
Detroit
LAKE ERIE
Cleveland
N.Y.
PENNSYLVANIA
NEW
ILLINOIS
INDIANA
OHIO
Pittsburgh
Philadelphia
Springfield
Indianapolis
Columbus
JERSEY
MD
Baltimore
St. Louis
1950
1960
1930
1910
1890
1880
1860
1840
1820
1810
1800
1790
1940
1920
1900
1870
1850
1830
1970
1980
Cincinnati
Louisville
Charleston
WEST VIRGINIA
Washington
DEL
Richmond
MISSOURI
KENTUCKY
VIRGINIA
Nashville
ARK
TENNESSEE
NORTH CAROLINA
Center of Population
0
50
100 MI

(See table 331)

Source: U.S. Bureau of the Census, 1980 Census of Population, Vol. 1.

No. 4. U.S. Population Abroad, by Selected Country: 1988

[In thousands. As of May 1. Data compiled as part of noncombatant personnel evacuation requirements report]

COUNTRY	Total[1]	Resident U.S. citizen	U.S. tourists
Total[2]	4,008.7	2,174.6	1,041.4
Australia	92.7	68.7	21.0
Belgium	19.8	13.9	4.0
Brazil	52.7	40.4	11.2
Canada	447.3	235.1	209.9
Colombia	21.4	19.9	1.2
Costa Rica	26.0	17.1	7.4
Dominican Republic	77.5	63.2	13.0
France	132.2	43.5	86.2
Greece	69.6	54.4	9.8
Hong Kong	22.2	14.5	6.6
Ireland	34.1	30.0	4.0
Israel	121.8	60.9	60.0
Italy	174.0	96.4	58.2
Japan	121.0	41.7	9.6
Jerusalem	41.9	30.4	11.2
Mexico	601.8	396.0	203.1
Netherlands	48.8	34.5	4.3
Panama	40.3	11.3	.4
Philippines	273.4	156.3	3.9
Portugal	25.0	15.7	6.4
Saudi Arabia	25.9	21.6	.3
South Africa	26.5	9.4	16.5
South Korea	68.4	10.0	26.6
Spain	110.4	60.1	30.3
Switzerland	32.3	24.1	7.5
United Kingdom	264.8	156.8	80.1
Venezuela	22.3	20.6	1.3
West Germany	491.1	134.1	21.2

[1] Includes Dept. of Defense noncombatant employees, other U.S. government employees, and dependents of U.S. military and civilian employees, not shown separately. [2] Includes other countries not shown separately.

Source: U.S. Dept. of State, unpublished data.

NO. 5. ESTIMATED COMPONENTS OF POPULATION CHANGE, BY RACE: 1960 TO 1987

[For explanation of annual average percent change, see Guide to Tabular Presentation]

YEAR OR PERIOD	TOTAL (Jan. 1-Dec. 31)						RATE PER 1,000 MIDYEAR POPULATION				
	Population at start of period (1,000)	Net increase[1]		Natural increase		Net civilian immigration (1,000)	Net growth rate[1]	Natural increase			Net civilian immigration rate
		Total (1,000)	Percent[2]	Births[3] (1,000)	Deaths (1,000)			Total	Birth rate[3]	Death rate	
ALL RACES[4]											
1960	179,386	2,901	1.6	4,307	1,708	327	16.1	14.4	23.8	9.5	1.8
1965	193,223	2,315	1.2	3,801	1,830	373	11.9	10.1	19.6	9.4	1.9
1970	203,849	2,617	1.3	3,739	1,927	436	12.8	8.8	18.2	9.4	2.1
1975	214,931	2,165	1.0	3,144	1,894	449	10.0	5.8	14.6	8.8	2.1
1980	226,451	2,582	1.1	3,612	1,990	845	11.3	7.1	15.9	8.7	3.7
1983	233,736	2,224	1.0	3,639	2,020	605	9.5	6.9	15.5	8.6	2.6
1984	235,961	2,246	1.0	3,669	2,040	615	9.5	6.9	15.6	8.6	2.6
1985	238,207	2,325	1.0	3,761	2,087	650	9.7	7.0	15.7	8.7	2.7
1986	240,532	2,293	1.0	3,731	2,100	662	9.5	6.7	15.4	8.7	2.7
1987	242,825	2,285	.9	3,809	2,124	599	9.4	6.9	15.6	8.7	2.5
Annual averages:											
1960–1964	179,386	2,767	1.5	4,210	1,757	346	14.9	13.2	22.6	9.4	1.9
1965–1969	193,223	2,125	1.1	3,628	1,888	419	10.7	8.7	18.3	9.5	2.1
1970–1974	203,849	2,216	1.1	3,370	1,946	359	10.6	6.8	16.1	9.3	1.7
1975–1979	214,931	2,304	1.0	3,293	1,909	449	10.4	6.3	14.9	8.7	2.0
1980–1984	226,451	2,351	1.0	3,646	2,001	682	10.1	7.1	15.7	8.6	2.9
1985–1987	238,207	2,301	1.0	3,767	2,104	637	9.5	6.9	15.6	8.7	2.6
WHITE											
1970	178,692	2,050	1.15	3,095	1,687	327	11.4	7.8	17.2	9.4	1.8
1975	186,955	1,459	.78	2,552	1,661	173	7.8	4.7	13.6	8.9	.9
1980	194,834	1,580	.81	2,899	1,739	431	8.1	5.9	14.8	8.9	2.2
1983	199,515	1,472	.74	2,904	1,766	334	7.4	5.7	14.5	8.8	1.7
1984	200,988	1,476	.73	2,924	1,782	334	7.3	5.7	14.5	8.8	1.7
1985	202,464	1,527	.75	2,991	1,820	353	7.5	5.8	14.7	9.0	1.7
1986	203,991	1,496	73	2,961	1,829	364	7.3	5.5	14.5	8.9	1.8
1987	205,487	1,492	.73	3,019	1,855	328	7.2	5.6	14.6	9.0	1.6
BLACK											
1970	22,617	424	1.87	575	226	39	18.6	15.3	25.2	9.9	1.7
1975	24,602	382	1.55	512	218	38	15.4	11.8	20.6	8.8	1.5
1980	26,680	452	1.69	590	233	75	16.8	13.2	21.9	8.7	2.8
1983	27,985	407	1.45	586	233	54	14.4	12.5	20.8	8.3	1.9
1984	28,391	410	1.44	593	236	54	14.4	12.5	20.7	8.3	1.9
1985	28,802	421	1.46	608	244	58	14.5	12.5	21.0	8.4	2.0
1986	29,223	423	1.45	608	247	62	14.4	12.3	20.7	8.4	2.1
1987	29,646	437	1.48	625	245	58	14.7	12.7	20.9	8.2	1.9

[1] Includes overseas admissions into, less discharges from, Armed Forces and includes for 1960–1980 "error of closure" (the amount necessary to make the components of change add to the net change between censuses), for which figures are not shown separately. [2] Percent of population at beginning of period. [3] Adjusted for underregistration prior to April 1, 1970.
[4] Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P–25, forthcoming report.

NO. 6. IMMIGRATION: 1820 TO 1987

[**In thousands, except rate. For fiscal years ending in year shown, except as noted;** see text, section 9. For definition of immigrants, see text, section 1. For 1820–1867, alien passengers arriving; 1868–1891 and 1895–1897, immigrants arriving; 1892–1894 and 1898 to the present, immigrants admitted. Rates based on Bureau of the Census estimates as of July 1 for resident population through 1929, and for total population thereafter (excluding Alaska and Hawaii prior to 1959). See also *Historical Statistics, Colonial Times to 1970,* series C 89]

PERIOD	TOTAL		PERIOD OR YEAR	TOTAL		YEAR	TOTAL	
	Number	Rate[1]		Number	Rate[1]		Number	Rate[1]
1820–1987	**53,724**	**3.4**	1921–1930	4,107	3.5	1975	386	1.8
			1931–1940	528	.4	1976	399	1.9
1820–1830[2]	152	1.2	1941–1950	1,035	.7	1977	462	2.1
1831–1840[3]	599	3.9	1951–1960	2,515	1.5	1978	601	2.8
1841–1850[4]	1,713	8.4	1961–1970	3,322	1.7	1979	460	2.1
1851–1860[4]	2,598	9.3	1971–1980	4,493	2.1	1980	531	2.3
1861–1870[5]	2,315	6.4	1981–1987	4,068	2.5	1981	597	2.6
1871–1880	2,812	6.2				1982	594	2.6
1881–1890	5,247	9.2	1970	373	1.8	1983	560	2.4
1891–1900	3,688	5.3	1971	370	1.8	1984	544	2.3
1901–1910	8,795	10.4	1972	385	1.8	1985	570	2.4
1911–1920	5,736	5.7	1973	400	1.9	1986	602	2.5
			1974	395	1.9	1987	602	2.5

[1] Annual rate per 1,000 U.S. population. Rate computed by dividing sum of annual immigration totals by sum of annual U.S. population totals for same number of years. [2] Oct. 1, 1819–Sept. 30, 1830. [3] Oct. 1, 1830–Dec. 31, 1840.
[4] Calendar years. [5] Jan. 1, 1861–June 30, 1870.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook,* annual; and releases.

NO. 7. IMMIGRANTS, BY COUNTRY OF BIRTH: 1961 TO 1987

[In thousands. For fiscal years ending in year shown; see text, section 9. For definition of immigrants, see text, section 1]

COUNTRY OF BIRTH	1961-1970, total	1971-1980, total	1981-1986, total	1987
All countries	3,321.7	4,493.3	3,466.1	601.5
Europe [1]	1,238.6	801.3	384.3	61.2
Austria	13.7	4.7	2.4	.5
Belgium	8.5	4.0	3.2	.6
Czechoslovakia	21.4	10.2	6.2	1.4
Denmark	11.8	4.5	3.1	.5
Finland	5.8	3.4	1.9	.3
France	34.3	17.8	12.6	2.5
Germany	200.0	66.0	41.6	7.3
Greece	90.2	93.7	18.8	2.7
Hungary	17.3	11.6	4.7	1.0
Ireland	42.4	14.1	7.4	3.1
Italy	206.7	130.1	20.9	2.8
Netherlands	27.8	10.7	6.9	1.2
Norway	16.4	4.0	2.3	.3
Poland	73.3	43.6	44.8	7.5
Portugal	79.3	104.5	25.2	3.9
Romania	14.9	17.5	22.0	3.8
Soviet Union [2]	15.7	43.2	42.1	2.4
Spain	30.5	30.0	9.2	1.6
Sweden	16.7	6.3	5.8	1.1
Switzerland	16.3	6.6	3.9	.8
United Kingdom	230.5	123.5	85.4	13.5
Yugoslavia	46.2	42.1	10.1	1.8
Asia [1]	445.3	1,633.8	1,644.5	257.7
Cambodia	1.2	8.4	83.6	12.5
China: Mainland	96.7	202.5	219.4	25.8
Taiwan				11.9
Hong Kong	25.6	47.5	30.7	4.7
India	31.2	176.8	145.9	27.8
Iran	10.4	46.2	79.0	14.4
Iraq	6.4	23.4	14.2	1.1
Israel	12.9	26.6	20.1	3.7
Japan	38.5	47.9	24.0	4.2
Asia—Con.				
Jordan	14.0	29.6	18.0	3.1
Korea	35.8	272.0	201.8	35.8
Laos	.1	22.6	105.2	6.8
Lebanon	7.5	33.8	21.0	4.4
Pakistan	4.9	31.2	31.8	6.3
Philippines	101.5	360.2	273.8	50.1
Thailand	5.0	44.1	32.5	6.7
Turkey	6.8	18.6	13.2	1.6
Vietnam	4.6	179.7	264.8	24.2
North America [1]	1,351.1	1,645.0	1,093.4	218.8
Canada	286.7	114.8	66.6	11.9
Mexico	443.3	637.2	401.7	72.4
Caribbean [1]	519.5	759.8	473.2	102.9
Barbados	9.4	20.9	11.0	1.7
Cuba	256.8	276.8	92.0	28.9
Dominican Republic	94.1	148.0	130.8	24.9
Haiti	37.5	58.7	56.6	14.8
Jamaica	71.0	142.0	120.1	23.1
Trinidad and Tobago	24.6	61.8	19.9	3.5
Central America [1]	97.7	132.4	151.5	29.3
El Salvador	15.0	34.4	53.8	10.7
Guatemala	15.4	25.6	25.1	5.7
Nicaragua	10.1	13.0	17.1	3.3
Panama	18.4	22.7	17.6	2.1
South America [1]	228.3	284.4	225.9	44.4
Argentina	42.1	25.1	12.4	2.1
Brazil	20.5	13.7	11.0	2.5
Colombia	70.3	77.6	61.0	11.7
Ecuador	37.0	50.2	26.7	4.6
Guyana	7.1	47.5	53.1	11.4
Peru	18.6	29.1	26.7	5.9
Africa	39.3	91.5	94.5	17.7
Egypt	17.2	25.5	17.2	3.4
Australia	9.9	14.3	8.0	1.3
New Zealand	3.7	5.3	3.8	.6
Other countries	5.5	17.7	11.7	2.0

[1] Includes countries not shown separately. [2] Europe and Asia.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and releases.

NO. 8. IMMIGRANTS ADMITTED AS PERMANENT RESIDENTS UNDER REFUGEE ACTS, BY COUNTRY OF BIRTH: 1961 TO 1987

[For fiscal years ending in year shown; see text, section 9. Covers immigrants who were allowed to enter U.S. under 1953 Refugee Relief Act and later acts; Hungarian parolees under July 1958 Act; refugee-escapee parolees under July 1960 Act; conditional entries by refugees under Oct. 1965 Act; Cuban parolees under Nov. 1966 Act; beginning 1978, Indochina refugees under Act of Oct. 1977; beginning 1980, refugee-parolees under the Act of Oct. 1978, and asylees under the Act of March 1980; beginning 1981, refugees under the Act of March 1980; and beginning 1987, Cuban/Haitian entrants under the Act of Nov. 1986]

COUNTRY OF BIRTH	1961-1970, total	1971-1980, total	1981-1986, total	1987
Total	212,843	539,447	658,409	96,474
Europe [1]	55,235	71,858	82,951	9,685
Austria	233	185	235	40
Bulgaria	1,799	1,238	647	117
Czechoslovakia	5,709	3,646	4,442	1,075
Germany	665	143	391	76
Greece	586	478	827	27
Hungary	4,044	4,358	2,159	589
Italy	1,198	346	201	37
Netherlands	3,134	8	7	1
Poland	3,197	5,882	18,545	3,357
Portugal	1,361	21	18	-
Romania	7,158	6,812	17,287	2,959
Soviet Union	871	31,309	36,972	1,242
Spain	4,114	5,317	492	48
Yugoslavia	18,299	11,297	218	34
Other Europe	2,867	818	510	83
Asia [1]	19,895	210,683	494,868	52,602
Cambodia	-	7,739	82,236	12,206
China: Mainland	5,308	13,760	5,936	540
Taiwan				18
Indonesia	7,658	222	1,061	138
Japan	554	56	96	7
Korea	1,316	65	105	2
Laos	-	21,690	104,199	6,560
Vietnam	7	150,266	240,009	20,617
Other Asia	5,052	16,885	61,226	12,514
North America	132,068	252,633	65,601	32,304
Cuba	131,557	251,514	62,791	26,952
Other N. America	511	1,119	2,810	5,352
South America	123	1,244	1,122	160
Africa	5,486	2,991	13,828	1,719
Other	36	38	39	4

- Represents zero. [1] Through 1970, Turkey included in Europe; thereafter, included in Asia.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and releases.

No. 9. Immigrants Admitted, by Class of Admission: 1980 to 1987

[**For fiscal year ending September 30.** For definition of immigrants, see text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series C 143–157]

CLASS OF ADMISSION	1980	1982	1983	1984	1985	1986	1987
Immigrants, total	**530,639**	**594,131**	**559,763**	**543,903**	**570,009**	**601,708**	**601,516**
Numerically limited	289,479	259,749	269,213	262,016	264,208	266,968	271,135
New arrivals	239,590	206,312	221,587	224,750	226,505	228,522	239,941
Adjustments	49,889	53,437	47,626	37,266	37,703	38,446	31,194
Exempt from numerical limitation	241,160	334,382	290,550	281,887	305,801	334,740	330,381
New arrivals	99,765	109,364	115,212	119,879	129,860	147,588	147,054
Adjustments	141,395	225,018	175,338	162,008	175,941	187,152	183,327
Numerically limited, total	289,479	259,749	269,213	262,016	264,208	266,968	271,135
Unmarried sons/daughters of U.S. citizens and their children (1st preference)	5,668	6,604	6,892	7,569	9,319	10,910	11,382
Spouses, unmarried sons/daughters of alien residents, and their children (2d preference)	110,269	113,070	116,623	112,309	114,997	110,926	110,758
Professional or highly skilled immigrants (3d preference) [1]	18,583	26,001	27,250	24,052	24,905	26,823	26,921
Married sons/daughters of U.S. citizens (4th preference) [1]	10,752	19,465	20,948	14,681	18,460	20,702	20,703
Brothers or sisters of U.S. citizens (5th preference) [1]	90,167	66,926	69,025	77,785	70,481	70,401	68,966
Needed skilled or unskilled workers (6th preference) [1]	25,786	25,181	28,218	24,669	25,990	26,802	26,952
Conditional entries by refugees [2]	12,222	(x)	(x)	(x)	(x)	(x)	(x)
Nonpreference [3]	-	-	-	-	7	-	3,040
Recaptured Cuban numbers	15,913	2,300	49	(x)	(x)	(x)	(x)
Other	119	202	208	171	49	404	2,413
Exempt from numerical limitations	241,160	334,382	290,550	281,887	305,801	334,740	330,381
Immediate relatives	157,743	168,398	177,792	183,247	204,368	223,468	218,575
Spouses of U.S. citizens	96,854	104,218	112,666	116,596	129,790	137,597	132,452
Children of U.S. citizens	27,207	28,735	30,429	32,080	35,592	40,639	40,940
Orphans	5,139	5,749	7,127	8,327	9,286	9,945	10,097
Parents of U.S. citizens	33,682	35,445	34,697	34,571	38,986	45,232	45,183
Refugee and asylee adjustments	75,835	156,601	102,685	92,127	95,040	104,383	96,474
Cuban Refugee Act, Nov. 1966	6,021	1,965	3,274	3,460	14,288	30,152	27,151
Indochinese Refugee Act, Oct. 1977	22,497	13,666	3,122	875	166	136	83
Refugee-Parolee Act, Oct. 1978	46,058	48,828	13,409	7,657	3,766	1,720	666
Asylees, Refugee Act of 1980	1,250	1,859	2,914	5,607	5,000	5,000	5,000
Refugees, Refugee Act of 1980	(x)	90,282	79,965	74,528	71,820	67,375	59,022
Cuban/Haitian entrants, Act of Nov. 1986	(x)	(x)	(x)	(x)	(x)	(x)	4,352
Other refugees	9	3	1	-	-	-	-
Special immigrants	3,142	4,940	3,175	2,338	2,551	2,992	3,646
Ministers of religion [1]	1,529	2,059	1,734	1,540	1,853	2,060	2,041
Employees of U.S. Government abroad [1]	1,354	554	529	535	479	773	1,112
Foreign medical graduates, Act of Dec. 1981 [1]	(x)	1,866	790	174	87	48	28
Other special immigrants [1]	259	461	122	89	132	111	465
Aliens adjusted [4]	254	169	144	132	106	96	8,200
Children born abroad to resident aliens or subsequent to issuance of visa	4,059	3,262	3,501	3,759	3,508	3,554	3,269
Others not subject to numerical limitation	127	1,012	3,253	284	229	248	217

- Represents zero. X Not applicable. [1] Includes spouses and children. [2] In 1980, conditional entries were a 7th preference class. [3] No nonpreference visas issued since 1978. 1985 and 1987 data represent prior contested cases. [4] Under sections 244 and 249, Immigration and Naturalization Act.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

No. 10. Estimated Refugee Arrivals by Selected Country of Citizenship: 1982 to 1987

[**For fiscal years ending September 30;** see text, section 9]

COUNTRY OF CITIZENSHIP	1982	1984	1985	1986	1987
Total	**97,300**	**70,600**	**67,800**	**62,250**	**64,650**
Afghanistan	4,250	2,000	2,200	2,400	3,100
Angola	100	100	50	-	50
Bulgaria	100	150	150	150	100
Cambodia	20,850	19,850	19,250	10,050	1,950
Cuba	500	50	150	150	300
Czechoslovakia	700	800	950	1,400	1,050
Ethiopia	3,150	2,500	1,750	1,250	1,800
Hungary	450	550	500	650	650
Iran	-	2,850	3,450	3,200	6,700
Iraq	2,000	150	250	300	200
Laos	9,600	7,200	5,250	12,900	15,600
Poland	6,500	3,950	2,850	3,600	3,450
Romania	2,900	4,250	4,500	2,600	3,000
Soviet Union	2,750	750	650	800	3,500
Vietnam	41,700	24,950	25,400	22,450	22,600
Other [1]	1,750	500	450	350	600

- Represents zero. [1] Includes those from countries other than those listed, those whose country of citizenship is unknown, and those with no country of citizenship.

Source: U.S. Dept. of Health and Human Services, Office of Refugee Resettlement, unpublished data.

NO. 11. IMMIGRANTS ADMITTED, BY SELECTED STATES OF RESIDENCE AND COUNTRY OF BIRTH: 1987

[For year ending September 30. For definition of immigrants, see text, section 1]

COUNTRY OF BIRTH	Total [1]	California	New York	Florida	Texas	New Jersey	Illinois	Massachusetts	Maryland	Virginia	Pennsylvania
Total	**601,516**	**161,184**	**114,194**	**54,654**	**42,349**	**30,849**	**23,095**	**18,830**	**11,848**	**11,236**	**10,899**
Europe [2]	61,174	9,772	11,303	3,370	2,632	4,645	4,449	3,501	1,220	1,295	1,792
Germany	7,318	1,082	646	430	507	234	247	156	164	231	265
Poland	7,519	614	1,364	191	196	664	1,883	242	113	98	257
United Kingdom	13,497	2,595	1,864	1,080	736	661	437	549	307	354	417
Asia [2]	257,684	92,456	31,247	5,817	13,376	10,636	12,715	6,987	6,133	6,805	6,303
Cambodia	12,460	3,853	589	186	652	16	364	1,320	145	257	601
China:											
Mainland	25,841	10,089	7,542	432	649	903	786	908	406	265	381
Taiwan	11,931	5,148	1,480	141	935	610	387	233	269	206	190
India	27,803	4,770	4,241	667	1,852	3,144	2,883	673	1,013	648	1,171
Iran	14,426	7,011	1,069	349	1,054	312	351	344	465	471	180
Korea	35,849	9,999	4,012	544	1,490	1,582	1,910	509	1,466	1,329	1,532
Laos	6,828	2,245	130	152	486	10	175	170	50	149	62
Pakistan	6,319	1,022	1,376	290	618	448	636	76	247	313	125
Philippines	50,060	24,833	2,602	1,109	1,471	1,889	2,820	269	754	1,109	508
Thailand	6,733	2,480	418	176	371	59	256	347	153	159	193
Vietnam	24,231	10,119	1,177	729	2,154	199	531	1,060	385	862	611
North America [2]	216,550	49,816	90,414	39,711	23,079	9,572	7,196	4,269	2,389	1,396	1,409
Canada	11,876	2,187	1,194	1,408	518	319	305	418	140	196	249
Mexico	72,351	36,229	652	772	20,166	169	4,859	76	65	81	101
Caribbean [2]	102,899	1,499	42,847	34,616	995	6,001	934	3,274	1,317	296	967
Cuba	28,916	695	1,830	24,287	294	562	256	75	38	20	100
Dominican Republic	24,858	90	15,860	674	97	2,585	53	1,114	94	33	74
Haiti	14,819	76	6,676	4,090	47	1,162	211	1,053	206	44	73
Jamaica	23,148	414	12,450	3,655	202	1,792	346	613	673	93	549
Central America [2]	29,296	10,873	5,710	2,999	1,402	1,481	984	487	861	807	166
El Salvador	10,693	5,620	1,009	310	593	565	133	99	451	492	31
Guatemala	5,729	2,344	914	308	201	230	543	145	194	102	39
Honduras	4,751	684	1,474	761	256	339	91	126	62	48	34
South America [2]	44,385	4,338	10,566	5,109	1,249	5,823	920	827	1,166	971	500
Colombia	11,700	659	3,706	2,291	392	1,958	367	233	146	127	142
Guyana	11,384	246	6,637	324	103	834	43	80	202	32	90
Peru	5,901	1,063	1,387	710	160	1,102	160	76	211	231	42
Africa	17,725	2,763	2,482	561	2,002	1,319	676	961	889	628	476
Other	3,996	2,017	172	96	109	52	40	56	42	50	40

[1] Includes other States and Puerto Rico, not shown separately. [2] Includes other countries, not shown separately.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

NO. 12. IMMIGRANTS ADMITTED BY SELECTED COUNTRY OF BIRTH AND METROPOLITAN AREA OF INTENDED RESIDENCE: 1987

[For year ending September 30. Includes Puerto Rico. Includes new arrivals and persons adjusting their status. MSA-metropolitan statistical area and PMSA-primary metropolitan statistical area as defined by U.S. Office of Management and Budget, June 30, 1985. See text, section 1, and Appendix III]

METROPOLITAN AREA OF INTENDED RESIDENCE	Total [1]	Mexico	Philippines	Korea	Cuba	India	China: Mainland	Dominican Republic	Vietnam	Jamaica
Total [2]	**601,516**	**72,351**	**50,060**	**35,849**	**28,916**	**27,803**	**25,841**	**24,858**	**24,231**	**23,148**
New York, NY PMSA	97,510	544	2,073	2,869	1,670	2,885	7,042	14,945	640	11,192
Los Angeles-Long Beach, CA PMSA	64,453	15,166	7,913	5,827	426	1,190	2,886	43	2,104	254
Miami-Hialeah, FL PMSA	37,887	235	277	86	22,329	161	160	728	26	1,802
Chicago, IL PMSA	20,297	4,129	2,195	1,163	238	2,154	650	46	386	309
Washington, DC-MD-VA MSA	17,936	110	971	1,629	65	1,120	594	182	956	742
San Francisco, CA PMSA	16,234	673	3,598	465	52	222	3,886	6	782	18
Anaheim-Santa Ana, CA PMSA	12,998	2,309	965	1,137	66	479	320	2	2,227	12
San Diego, CA MSA	12,706	4,156	3,543	211	33	122	202	10	732	17
Houston, TX PMSA	11,309	2,970	560	381	165	789	283	35	902	102
San Jose, CA PMSA	11,152	1,049	1,869	505	6	919	662	1	1,744	13
Oakland, CA PMSA	10,920	663	2,368	443	23	604	1,191	12	740	31
Boston, MA PMSA	10,705	54	164	277	51	416	786	480	726	487
Newark, NJ PMSA	9,186	33	505	252	167	676	178	301	48	719
Nassau-Suffolk, NY PMSA	8,359	42	256	433	67	734	281	524	56	680
Bergen-Passaic, NJ PMSA	8,229	56	425	590	35	667	93	1,098	18	566
Philadelphia, PA-NJ PMSA	7,962	72	427	1,190	46	815	329	68	400	544
Dallas, TX PMSA	7,475	1,793	265	357	42	497	157	17	532	55
Detroit, MI PMSA	5,836	96	401	459	10	671	153	10	48	61
Jersey City, NJ PMSA	5,470	14	421	105	331	612	54	753	44	52
Honolulu, HI MSA	5,457	14	2,745	872	1	7	583	1	139	3

[1] Includes other countries, not shown separately. [2] Includes other metropolitan areas, not shown separately.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

NO. 13. TOTAL POPULATION, BY AGE AND SEX: 1960 TO 1987

[**In thousands, except as indicated.** As of **July 1**. Includes Armed Forces abroad. For derivation of estimates, see text, section 1. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A23-25 and A29-41]

YEAR AND SEX	Total, all ages	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-74 years	75 years and over	5-13 years	14-17 years	18-24 years	16 years and over	65 years and over	Median age (yr.)
Total:																						
1960	180,671	20,341	18,810	16,925	13,442	11,134	10,936	11,983	12,542	11,679	10,914	9,664	8,471	7,154	11,053	5,622	32,965	11,219	16,128	121,835	16,675	29.4
1970	205,052	17,166	19,919	20,853	19,333	17,202	13,736	11,587	11,155	11,995	12,151	11,166	10,006	8,676	12,493	7,614	36,672	15,924	24,712	143,070	20,107	27.9
1975	215,973	16,121	17,594	20,646	21,285	19,527	17,280	14,191	11,634	11,197	11,784	11,972	10,646	9,399	13,917	8,779	33,919	17,128	28,005	157,343	22,696	28.7
1980	227,757	16,458	16,609	18,236	21,159	21,584	19,804	17,822	14,124	11,744	11,054	11,700	11,616	10,145	15,653	10,051	31,095	16,142	30,350	172,456	25,704	30.0
1982	232,520	17,298	16,020	18,172	19,939	21,807	20,865	18,876	15,646	12,469	11,332	11,456	11,510	10,603	16,197	10,630	30,614	15,041	30,283	177,346	26,827	30.6
1983	234,799	17,650	16,147	17,912	19,313	21,700	21,321	19,281	16,214	13,154	11,231	11,214	11,528	10,705	16,494	10,934	30,410	14,720	29,942	179,480	27,428	30.9
1984	237,001	17,830	16,464	17,511	18,823	21,536	21,680	19,769	16,984	13,635	11,468	11,033	11,444	10,872	16,739	11,234	30,238	14,704	29,391	181,515	27,973	31.2
1985	239,279	18,004	16,822	17,101	18,587	21,214	21,892	20,346	17,762	14,077	11,652	10,945	11,342	10,995	17,009	11,531	30,110	14,865	28,749	183,582	28,540	31.5
1986	241,613	18,152	17,295	16,565	18,648	20,608	22,132	20,848	18,775	14,369	11,933	10,890	11,271	10,961	17,332	11,836	30,351	14,797	27,967	185,756	29,167	31.8
1987	243,915	18,252	17,661	16,485	18,497	19,984	22,107	21,410	18,790	15,590	12,357	10,927	11,121	10,898	17,667	12,168	30,823	14,467	27,336	187,978	29,835	32.1
Male:																						
1960	89,320	10,339	9,565	8,602	6,803	5,569	5,423	5,904	6,140	5,732	5,379	4,763	4,145	3,414	5,133	2,409	16,762	5,683	8,093	59,413	7,542	28.5
1970	100,354	8,751	10,152	10,622	9,816	8,655	6,821	5,716	5,475	5,847	5,873	5,380	4,781	4,052	5,461	2,953	18,687	8,108	12,451	68,767	8,413	26.6
1980	110,888	8,417	8,495	9,314	10,776	10,862	9,897	8,845	6,964	5,756	5,376	5,619	5,480	4,700	6,791	3,575	15,893	8,247	15,327	82,624	10,366	28.8
1985	116,648	9,213	8,609	8,762	9,478	10,707	11,006	10,166	8,793	6,910	5,684	5,284	5,383	5,118	7,475	4,062	15,415	7,611	14,529	88,136	11,537	30.3
1987	118,987	9,341	9,037	8,450	9,446	10,083	11,119	10,727	9,321	7,662	6,031	5,286	5,298	5,068	7,824	4,295	15,784	7,414	13,817	90,348	12,119	30.9
Female:																						
1960	91,352	10,002	9,245	8,323	6,640	5,586	5,512	6,079	6,403	5,946	5,535	4,901	4,326	3,741	5,920	3,212	16,203	5,536	8,034	62,422	9,133	30.3
1970	104,698	8,415	9,768	10,230	9,517	8,547	6,915	5,872	5,680	6,148	6,277	5,786	5,225	4,624	7,032	4,661	17,985	7,816	12,261	74,303	11,693	29.2
1980	116,869	8,040	8,114	8,923	10,382	10,702	9,906	8,977	7,160	5,988	5,677	6,080	6,136	5,446	8,862	6,476	15,203	7,895	15,022	89,833	15,338	31.3
1985	122,631	8,792	8,214	8,339	9,109	10,507	10,886	10,179	8,969	7,167	5,968	5,861	5,960	5,877	9,534	7,469	14,695	7,254	14,219	95,446	17,003	32.7
1987	124,928	8,910	8,625	8,035	9,051	9,901	10,989	10,683	9,469	7,929	6,326	5,641	5,823	5,831	9,844	7,873	15,039	7,053	13,519	97,630	17,716	33.3
PERCENT																						
Total:																						
1960	100.0	11.3	10.4	9.4	7.4	6.2	6.1	6.6	6.9	6.5	6.0	5.3	4.7	4.0	6.1	3.1	18.2	6.2	8.9	67.4	9.2	(X)
1970	100.0	8.4	9.7	10.2	9.4	8.4	6.7	5.7	5.4	5.8	5.9	5.4	4.9	4.2	6.1	3.7	17.9	7.8	12.1	69.8	9.8	(X)
1980	100.0	7.2	7.3	8.0	9.3	9.5	8.7	7.8	6.2	5.2	4.9	5.1	5.1	4.5	6.9	4.4	13.7	7.1	13.3	75.7	11.3	(X)
1985	100.0	7.5	7.0	7.1	7.8	8.9	9.1	8.5	7.4	5.9	4.9	4.6	4.7	4.6	7.1	4.8	12.6	6.2	12.0	76.7	11.9	(X)
1986	100.0	7.5	7.2	6.9	7.7	8.5	9.2	8.6	7.8	5.9	4.9	4.5	4.7	4.5	7.2	4.9	12.6	6.1	11.6	76.9	12.1	(X)
1987	100.0	7.5	7.2	6.8	7.6	8.2	9.1	8.8	7.7	6.4	5.1	4.5	4.6	4.5	7.2	5.0	12.6	5.9	11.2	77.1	12.2	(X)
Male:																						
1960	100.0	11.6	10.7	9.6	7.6	6.2	6.1	6.6	6.9	6.4	6.0	5.3	4.6	3.8	5.7	2.7	18.8	6.4	9.1	66.5	8.4	(X)
1970	100.0	8.7	10.1	10.6	9.8	8.6	6.8	5.7	5.5	5.8	5.9	5.4	4.8	4.0	5.4	2.9	18.6	8.1	12.4	68.5	8.4	(X)
1980	100.0	7.6	7.7	8.4	9.7	9.8	8.9	8.0	6.3	5.2	4.8	5.1	4.9	4.2	6.1	3.2	14.3	7.4	13.8	74.5	9.3	(X)
1985	100.0	7.9	7.4	7.5	8.1	9.2	9.4	8.7	7.5	5.9	4.9	4.5	4.6	4.4	6.4	3.5	13.2	6.5	12.5	75.6	9.9	(X)
1987	100.0	7.8	7.6	7.1	7.9	8.5	9.3	9.0	7.8	6.4	5.1	4.4	4.5	4.3	6.6	3.6	13.3	6.2	11.6	75.9	10.2	(X)
Female:																						
1960	100.0	10.9	10.1	9.1	7.3	6.1	6.0	6.7	7.0	6.5	6.1	5.4	4.7	4.1	6.5	3.5	17.7	6.1	8.8	68.3	10.0	(X)
1970	100.0	8.0	9.3	9.8	9.1	8.2	6.6	5.6	5.4	5.9	6.0	5.5	5.0	4.4	6.7	4.5	17.2	7.5	11.7	71.0	11.2	(X)
1980	100.0	6.9	6.9	7.6	8.9	9.2	8.5	7.7	6.1	5.1	4.9	5.2	5.3	4.7	7.6	5.5	13.0	6.8	12.9	76.9	13.1	(X)
1985	100.0	7.2	6.7	6.8	7.4	8.6	8.9	8.3	7.3	5.8	4.9	4.6	4.9	4.8	7.8	6.1	12.0	5.9	11.6	77.8	13.9	(X)
1987	100.0	7.1	6.9	6.4	7.2	7.9	8.8	8.6	7.6	6.3	5.1	4.5	4.7	4.7	7.9	6.3	12.0	5.6	10.8	78.1	14.2	(X)

X Not applicable.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 519, 917, and 1022.

NO. 14. PROJECTIONS OF TOTAL POPULATION: 1988 TO 2025

[**In thousands. As of July 1.** Includes Armed Forces abroad. See text, section 1 for explanation of methodology. For the series shown, the following assumptions were made about fertility (ultimate lifetime births per woman), mortality (ultimate life expectancy in 2080), and immigration (ultimate yearly net immigration). Lowest series: 1.5 births per woman, 77.9 years, and 300,000 net immigration. Middle series: 1.8 births per woman, 81.2 years, and 500,000 net immigration. Highest series: 2.2 births per woman, 88.0 years, and 800,000 net immigration. Zero migration series: 1.8 births per woman and 81.2 years]

YEAR	Lowest series (series 19)	Middle series (series 14)	Highest series (series 9)	Zero migration (series 29)	YEAR	Lowest series (series 19)	Middle series (series 14)	Highest series (series 9)	Zero migration (series 29)
1988	245,289	246,048	246,624	244,832	1997	257,207	263,543	270,376	256,561
1989	247,021	248,251	249,241	246,413	1998	258,068	265,157	272,986	257,523
1990	248,656	250,410	251,897	247,943	1999	258,856	266,730	275,602	258,436
1991	250,178	252,502	254,570	249,402	2000	259,576	268,266	278,228	259,304
1992	251,592	254,521	257,235	250,781	2005	262,363	275,604	291,710	263,189
1993	252,906	256,466	259,888	252,083	2010	264,193	282,575	305,882	266,528
1994	254,121	258,338	262,526	253,308	2015	265,072	288,997	320,494	269,131
1995	255,239	260,138	265,151	254,459	2020	264,536	294,364	335,022	270,493
1996	256,266	261,872	267,766	255,541	2025	262,218	298,252	348,985	270,234

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1018.

NO. 15. PROJECTED COMPONENTS OF POPULATION CHANGE: 1988 TO 2010

[Includes Armed Forces overseas. Projections are for middle series (series 14); for assumptions, see headnote, table 14. For explanation of methodology, see text, section 1]

YEAR AND RACE	TOTAL (Jan. 1-Dec. 31)						RATE PER 1,000 MIDYEAR POPULATION				
	Population at start of period (1,000)	Net increase [1]		Natural increase		Net civilian immigration (1,000)	Net growth rate [1]	Natural increase			Net civilian immigration rate
		Total (1,000)	Percent [2]	Births (1,000)	Deaths (1,000)			Total	Birth rate	Death rate	
ALL RACES [3]											
1988	244,938	2,212	.90	3,758	2,141	595	9.0	6.6	15.3	8.7	2.4
1989	247,150	2,180	.88	3,756	2,161	585	8.8	6.4	15.1	8.7	2.4
1990	249,330	2,125	.85	3,731	2,180	575	8.5	6.2	14.8	8.7	2.3
1995	259,238	1,767	.68	3,517	2,275	525	6.8	4.8	13.5	8.7	2.0
2000	267,498	1,522	.57	3,389	2,368	500	5.7	3.8	12.6	8.8	1.9
2010	281,894	1,351	.48	3,485	2,635	500	4.8	3.1	12.3	9.3	1.8
WHITE											
1988	206,943	1,494	.72	2,990	1,854	358	7.2	5.5	14.4	8.9	1.7
1989	208,437	1,460	.70	2,982	1,872	350	7.0	5.3	14.3	8.9	1.7
1990	209,897	1,408	.67	2,955	1,888	340	6.7	5.1	14.0	9.0	1.6
1995	216,267	1,074	.50	2,744	1,966	296	5.0	3.6	12.7	9.1	1.4
2000	221,088	838	.38	2,602	2,038	273	3.8	2.5	11.7	9.2	1.2
2010	228,637	674	.29	2,639	2,238	273	2.9	1.8	11.5	9.8	1.2
BLACK											
1988	30,072	432	1.43	621	250	60	14.2	12.2	20.5	8.3	2.0
1989	30,503	430	1.41	622	252	60	14.0	12.1	20.3	8.2	2.0
1990	30,934	428	1.38	620	254	60	13.7	11.8	19.9	8.1	1.9
1995	33,000	396	1.20	602	262	56	11.9	10.2	18.1	7.9	1.7
2000	34,939	379	1.08	597	272	54	10.8	9.3	17.0	7.7	1.5
2010	38,653	358	.93	616	312	54	9.3	7.6	15.8	8.1	1.4

[1] Includes overseas admissions into, less discharges from, Armed Forces, not shown seperately. [2] Percent of population at beginning of period. [3] Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1018.

NO. 16. PROJECTIONS OF THE HISPANIC POPULATION BY AGE AND SEX: 1988 TO 2010

[As of **July 1**. Includes Armed Forces overseas. See text, section 1 for explanation of methodology. Data are for the middle series with the following assumptions about fertility (ultimate lifetime births per woman), mortality (ultimate life expectancy in 2080) and immigration (yearly net immigration): 1.9 births per woman, 81.0 years, and 143,000 net immigration. These projections are not consistent with those shown in tables 14, 15, and 17]

AGE AND SEX	POPULATION (1,000)						PERCENT DISTRIBUTION			PERCENT CHANGE		
	1988	**1989**	**1990**	**1995**	**2000**	**2010**	**1990**	**2000**	**2010**	**1980–1990**	**1990–2000**	**2000–2010**
Total	**18,833**	**19,358**	**19,887**	**22,550**	**25,223**	**30,795**	**100.0**	**100.0**	**100.0**	**34.5**	**26.8**	**22.1**
Under 5 years old	2,198	2,242	2,282	2,412	2,496	2,852	11.5	9.9	9.3	36.2	9.4	14.3
5-17 years old	4,563	4,690	4,825	5,555	6,207	6,848	24.3	24.6	22.2	21.0	28.6	10.3
18-24 years old	2,356	2,369	2,387	2,511	2,767	3,599	12.0	11.0	11.7	5.3	15.9	30.1
25-34 years old	3,527	3,585	3,629	3,717	3,804	4,526	18.2	15.1	14.7	42.1	4.8	19.0
35-44 years old	2,515	2,651	2,788	3,430	3,803	3,983	14.0	15.1	12.9	74.9	36.4	4.7
45-54 years old	1,528	1,594	1,668	2,165	2,811	3,806	8.4	11.1	12.4	39.3	68.5	35.4
55-64 years old	1,125	1,156	1,183	1,342	1,619	2,704	5.9	6.4	8.8	50.1	36.9	67.0
65-74 years old	637	670	707	894	1,041	1,432	3.6	4.1	4.7	53.0	47.2	37.6
75 years old and over	385	402	419	525	678	1,045	2.1	2.7	3.4	64.3	61.8	54.1
16 years old and over	12,729	13,090	13,453	15,322	17,419	22,131	67.6	69.0	71.9	37.8	29.5	27.1
Male	9,417	9,681	9,947	11,285	12,627	15,419	50.0	50.1	50.1	34.9	26.9	22.1
Female	9,416	9,678	9,940	11,265	12,596	15,376	50.0	49.9	49.9	34.2	26.7	22.1

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 995.

NO. 17. PROJECTIONS OF THE TOTAL POPULATION BY AGE, SEX, AND RACE: 1988 TO 2010

[As of July 1. Includes Armed Forces overseas. Data are for middle series. For explanation of methodology, see text, section 1. Minus sign (-) indicates decrease]

AGE, SEX, AND RACE	POPULATION (1,000)						PERCENT DISTRIBUTION			PERCENT CHANGE		
	1988	1989	1990	1995	2000	2010	1990	2000	2010	1980-1990	1990-2000	2000-2010
Total [1]	**246,048**	**248,251**	**250,410**	**260,138**	**268,266**	**282,575**	**100.0**	**100.0**	**100.0**	**9.9**	**7.1**	**5.3**
Under 5 years old	18,269	18,413	18,408	17,799	16,898	16,899	7.4	6.3	6.0	11.8	-8.2	(Z)
5-17 years old	45,344	45,269	45,630	48,374	48,815	45,747	18.2	18.2	16.2	-3.4	7.0	-6.3
18-24 years old	26,904	26,591	26,140	24,281	25,231	27,155	10.4	9.4	9.6	-13.9	-3.5	7.6
25-34 years old	43,861	44,024	43,925	40,962	37,149	37,572	17.5	13.8	13.3	16.7	-15.4	1.1
35-44 years old	35,321	36,548	37,897	42,336	43,911	37,202	15.1	16.4	13.2	46.5	15.9	-15.3
45-54 years old	24,151	24,872	25,487	31,297	37,223	43,207	10.2	13.9	15.3	12.0	46.0	16.1
55-64 years old	21,799	21,544	21,364	21,325	24,158	35,430	8.5	9.0	12.5	-1.8	13.1	46.7
65-74 years old	17,873	18,129	18,373	18,930	18,243	21,039	7.3	6.8	7.4	17.4	-.7	15.3
75 years old and over	12,527	12,863	13,187	14,834	16,639	18,323	5.3	6.2	6.5	31.2	26.2	10.1
16 years old and over	189,810	191,451	192,989	201,018	210,134	227,390	77.1	78.3	80.5	11.9	8.9	8.2
Male, total	**120,054**	**121,159**	**122,243**	**127,123**	**131,191**	**138,333**	**100.0**	**100.0**	**100.0**	**10.2**	**7.3**	**5.4**
Under 5 years old	9,351	9,426	9,426	9,118	8,661	8,668	7.7	6.6	6.3	12.0	-8.1	.1
5-17 years old	23,228	23,190	23,377	24,787	25,027	23,473	19.1	19.1	17.0	-3.2	7.1	-6.2
18-24 years old	13,598	13,440	13,216	12,290	12,770	13,752	10.8	9.7	9.9	-13.8	-3.4	7.7
25-34 years old	22,032	22,126	22,078	20,579	18,662	18,878	18.1	14.2	13.6	17.8	-15.5	1.2
35-44 years old	17,466	18,094	18,785	21,104	21,945	18,586	15.4	16.7	13.4	47.7	16.8	-15.3
45-54 years old	11,750	12,104	12,406	15,292	18,296	21,432	10.1	13.9	15.5	12.8	47.5	17.1
55-64 years old	10,273	10,170	10,103	10,149	11,557	17,173	8.3	8.8	12.4	-.8	14.4	48.6
65-74 years old	7,923	8,052	8,171	8,476	8,242	9,691	6.7	6.3	7.0	20.3	.9	17.6
75 years old and over	4,432	4,559	4,681	5,326	6,032	6,681	3.8	4.6	4.8	30.9	28.9	10.8
16 years old and over	91,255	92,070	92,834	96,834	101,392	110,024	75.9	77.3	79.5	12.4	9.2	8.5
Female, total	**125,995**	**127,092**	**128,167**	**133,016**	**137,076**	**144,241**	**100.0**	**100.0**	**100.0**	**9.7**	**7.0**	**5.2**
Under 5 years old	8,918	8,987	8,982	8,681	8,237	8,231	7.0	6.0	5.7	11.7	-8.3	-.1
5-17 years old	22,115	22,079	22,253	23,587	23,788	22,274	17.4	17.4	15.4	-3.7	6.9	-6.4
18-24 years old	13,307	13,150	12,924	11,991	12,461	13,402	10.1	9.1	9.3	-14.0	-3.6	7.6
25-34 years old	21,829	21,897	21,848	20,384	18,487	18,694	17.0	13.5	13.0	15.7	-15.4	1.1
35-44 years old	17,854	18,455	19,112	21,233	21,966	18,616	14.9	16.0	12.9	45.4	14.9	-15.3
45-54 years old	12,401	12,768	13,081	16,005	18,927	21,775	10.2	13.8	15.1	11.3	44.7	15.0
55-64 years old	11,527	11,375	11,260	11,175	12,601	18,257	8.8	9.2	12.7	-2.8	11.9	44.9
65-74 years old	9,949	10,077	10,201	10,454	10,001	11,348	8.0	7.3	7.9	15.1	-2.0	13.5
75 years old and over	8,094	8,304	8,505	9,507	10,607	11,642	6.6	7.7	8.1	31.3	24.7	9.8
16 years old and over	98,554	99,381	100,155	104,184	108,742	117,366	78.1	79.3	81.4	11.5	8.6	7.9
White, total	**207,896**	**209,178**	**210,616**	**216,820**	**221,514**	**228,978**	**100.0**	**100.0**	**100.0**	**7.7**	**5.2**	**3.4**
Under 5 years old	14,787	14,899	14,893	14,251	13,324	13,084	7.1	6.0	5.7	10.4	-10.5	-1.8
5-17 years old	36,469	36,317	36,537	38,493	38,569	35,258	17.3	17.4	15.4	-6.3	5.6	-8.6
18-24 years old	22,105	21,775	21,330	19,452	19,998	21,298	10.1	9.0	9.3	-16.7	-6.2	6.5
25-34 years old	36,749	36,796	36,620	33,680	29,988	29,585	17.4	13.5	12.9	13.6	-18.1	-1.3
35-44 years old	30,251	31,223	32,306	35,635	36,574	29,997	15.3	16.5	13.1	44.1	13.2	-18.0
45-54 years old	20,838	21,450	21,950	26,879	31,618	35,860	10.4	14.3	15.7	9.8	44.0	13.4
55-64 years old	19,138	18,852	18,637	18,327	20,667	29,913	8.8	9.3	13.1	-4.5	10.9	44.7
65-74 years old	15,983	16,188	16,380	16,681	15,811	17,675	7.8	7.1	7.8	16.1	-3.5	13.1
75 years old and over	11,375	11,675	11,965	13,421	14,965	16,108	5.7	6.8	7.0	30.2	25.1	7.6
16 years old and over	162,390	163,468	164,465	169,665	175,570	186,417	78.1	79.3	81.4	9.6	6.8	6.2
Male	101,689	102,448	103,184	106,365	108,774	112,610	49.0	49.1	49.2	8.0	5.4	3.5
Female	106,007	106,730	107,432	110,455	112,739	116,368	51.0	50.9	50.8	7.4	4.9	3.2
Black, total	**30,287**	**30,719**	**31,148**	**33,199**	**35,129**	**38,833**	**100.0**	**100.0**	**100.0**	**15.8**	**12.8**	**10.6**
Under 5 years old	2,769	2,806	2,814	2,790	2,748	2,820	9.0	7.8	7.3	13.7	-2.3	2.6
5-17 years old	7,082	7,095	7,170	7,697	7,895	7,809	23.0	22.5	20.1	2.5	10.1	-1.1
18-24 years old	3,853	3,845	3,813	3,703	3,924	4,314	12.2	11.2	11.1	-5.4	2.9	9.9
25-34 years old	5,562	5,639	5,685	5,534	5,264	5,590	18.3	15.0	14.4	31.2	-7.4	6.2
35-44 years old	3,826	4,010	4,210	5,041	5,481	5,076	13.5	15.6	13.1	52.9	30.2	-7.4
45-54 years old	2,558	2,620	2,686	3,261	4,106	5,369	8.6	11.7	13.8	17.4	52.9	30.8
55-64 years old	2,135	2,145	2,156	2,288	2,578	3,995	6.9	7.3	10.3	12.1	19.6	55.0
65-74 years old	1,545	1,576	1,608	1,762	1,848	2,277	5.2	5.3	5.9	19.0	14.9	23.2
75 years old and over	956	981	1,005	1,122	1,283	1,584	3.2	3.7	4.1	33.1	27.7	23.5
16 years old and over	21,592	21,920	22,226	23,860	25,708	29,467	71.4	73.2	75.9	19.2	15.7	14.6
Male	14,414	14,625	14,835	15,840	16,787	18,602	47.6	47.8	47.9	16.2	13.2	10.8
Female	15,874	16,094	16,313	17,359	18,342	20,231	52.4	52.2	52.1	15.4	12.4	10.3

Z Less than .05 percent. [1] Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1018.

NO. 18. RESIDENT POPULATION, BY SEX, RACE, RESIDENCE, AND MEDIAN AGE: 1790 TO 1987

[In thousands, except as indicated. Excludes Armed Forces abroad. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A 73-81 and A 143-149]

DATE	SEX		RACE				RESIDENCE [1]		MEDIAN AGE (years)		
	Male	Female	White	Black		Other	Urban	Rural	All races	White	Black
				Number	Percent						
CONTERMINOUS U.S. [2]											
1790 (Aug. 2)	(NA)	(NA)	3,172	757	19.3	(NA)	202	3,728	(NA)	(NA)	(NA)
1800 (Aug. 4)	(NA)	(NA)	4,306	1,002	18.9	(NA)	322	4,986	(NA)	16.0	(NA)
1850 (June 1)	11,838	11,354	19,553	3,639	15.7	(NA)	3,544	19,648	18.9	19.2	17.3
1860 (June 1)	16,085	15,358	26,923	4,442	14.1	79	6,217	25,227	19.4	19.7	17.7
1870 (June 1)	19,494	19,065	33,589	4,880	12.7	89	9,902	28,656	20.2	20.4	18.5
1880 (June 1)	25,519	24,637	43,403	6,581	13.1	172	14,130	36,026	20.9	21.4	18.0
1890 (June 1)	32,237	30,711	55,101	7,489	11.9	358	22,106	40,841	22.0	22.5	17.8
1900 (June 1)	38,816	37,178	66,809	8,834	11.6	351	30,160	45,835	22.9	23.4	19.4
1910 (Apr. 15)	47,332	44,640	81,732	9,828	10.7	413	41,999	49,973	24.1	24.5	20.8
1920 (Jan. 1)	53,900	51,810	94,821	10,463	9.9	427	54,158	51,553	25.3	25.6	22.3
1930 (Apr. 1)	62,137	60,638	110,287	11,891	9.7	597	68,955	53,820	26.4	26.9	23.5
1940 (Apr. 1)	66,062	65,608	118,215	12,866	9.8	589	74,424	57,246	29.0	29.5	25.3
1950 (Apr. 1)	74,833	75,864	134,942	15,042	10.0	713	96,468	54,230	30.2	30.8	26.2
UNITED STATES											
1950 (Apr. 1)	75,187	76,139	135,150	15,045	9.9	1,131	96,847	54,479	30.2	30.7	26.2
1960 (Apr. 1)	88,331	90,992	158,832	18,872	10.5	1,620	125,269	54,054	29.5	30.3	23.5
1970 (Apr. 1) [3]	98,926	104,309	178,098	22,581	11.1	2,557	149,325	53,887	28.0	28.9	22.4
1980 (Apr. 1) [4]	110,053	116,493	194,713	26,683	11.8	5,150	167,051	59,495	30.0	30.9	24.9
1983 (July 1) [5]	113,919	120,365	199,849	28,055	12.0	6,379	(NA)	(NA)	30.9	31.8	26.0
1984 (July 1) [5]	115,022	121,455	201,290	28,457	12.0	6,730	(NA)	(NA)	31.2	32.1	26.3
1985 (July 1) [5]	116,160	122,576	202,769	28,870	12.1	7,097	(NA)	(NA)	31.5	32.4	26.6
1986 (July 1) [5]	117,365	123,730	204,312	29,306	12.2	7,478	(NA)	(NA)	31.8	32.7	26.9
1987 (July 1) [5]	118,531	124,869	205,820	29,736	12.2	7,845	(NA)	(NA)	32.1	33.0	27.2

NA Not available. [1] Beginning 1950, current definition. For explanation of change, see text, section 1. [2] Excludes Alaska and Hawaii. [3] The revised 1970 resident population count is 203,302,031; which incorporates changes due to errors found after tabulations were completed. The race and sex data shown here reflect the official 1970 census count while the residence data come from the tabulated count; see text, section 1. [4] The race data shown for April 1, 1980 have been modified; see text, section 1 for explanation. [5] Estimated.

NO. 19. RATIO OF MALES TO FEMALES, BY AGE GROUP, 1920 TO 1987, AND BY RACE, 1987

[Represents number of males per 100 females. Total resident population]

AGE	1920 (Jan. 1)	1930 (Apr. 1)	1940 (Apr. 1)	1950 (Apr. 1)	1960 (Apr. 1)	1970 (Apr. 1)	1980 (Apr. 1)	1985 (July 1)	1987 (July 1)		
									Total [1]	White	Black
All ages	[2] **104.1**	[2] **102.5**	**100.7**	**98.6**	**97.1**	**94.8**	**94.5**	**94.8**	**94.9**	**95.6**	**90.2**
Under 14 years	102.1	102.6	103.0	103.7	103.4	103.9	104.6	104.9	104.9	105.4	103.1
14-24 years	97.3	98.4	98.9	98.2	98.7	98.7	101.9	102.2	102.4	102.9	97.9
25-44 years	105.1	101.8	98.5	96.4	95.7	95.5	97.4	98.5	98.8	100.8	86.9
45-64 years	115.2	109.1	105.2	100.1	95.7	91.6	90.7	91.5	91.6	93.2	81.8
65 years and over	101.3	100.5	95.5	89.6	82.8	72.1	67.6	67.9	68.4	68.3	67.1

[1] Includes other races, not shown separately. [2] Includes "age not reported."

Source of tables 18 and 19: U.S. Bureau of the Census, *U.S. Census of Population: 1930*, vol. II; *1940*, vol. II, part 1, and vol. IV, part 1; *1950*, vol. II, part 1; *1960*, vol. I, part 1; *1970*, vol. I, part B; and *Current Population Reports*, series P-25, No. 1022.

NO. 20. HISPANIC POPULATION, BY AGE AND SEX: 1980 AND 1987

[**1980**, as of **April**; **1987**, as of **March**. Hispanic persons may be of any race]

ITEM	Total, all years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65 years and over	Median age (yrs.)
NUMBER (1,000)																
1980, total	**14,609**	**1,663**	**1,537**	**1,475**	**1,606**	**1,586**	**1,376**	**1,129**	**854**	**712**	**622**	**564**	**454**	**321**	**709**	**23.2**
Male	7,280	848	783	747	827	819	697	559	416	345	300	270	217	147	305	22.6
Female	7,329	815	754	728	780	767	679	570	438	367	321	294	237	174	404	23.8
1987, total	**18,790**	**1,995**	**1,977**	**1,715**	**1,659**	**1,997**	**1,936**	**1,677**	**1,398**	**1,041**	**755**	**697**	**556**	**487**	**906**	**25.1**
Male	9,414	1,010	1,015	873	844	1,059	981	878	705	497	357	337	252	220	388	24.6
Female	9,376	985	961	841	814	938	955	799	693	543	398	361	303	268	518	25.8
PERCENT																
1980, total	**100.0**	**11.4**	**10.5**	**10.1**	**11.0**	**10.9**	**9.4**	**7.7**	**5.8**	**4.9**	**4.3**	**3.9**	**3.1**	**2.2**	**4.9**	(X)
Male	100.0	11.6	10.8	10.3	11.4	11.3	9.6	7.7	5.7	4.7	4.1	3.7	3.0	2.0	4.2	(X)
Female	100.0	11.1	10.3	9.9	10.6	10.5	9.3	7.8	6.0	5.0	4.4	4.0	3.2	2.4	5.5	(X)
1987, total	**100.0**	**10.6**	**10.5**	**9.1**	**8.8**	**10.6**	**10.3**	**8.9**	**7.4**	**5.5**	**4.0**	**3.7**	**3.0**	**2.6**	**4.8**	(X)
Male	100.0	10.7	10.8	9.3	9.0	11.2	10.4	9.3	7.5	5.3	3.8	3.6	2.7	2.3	4.1	(X)
Female	100.0	10.5	10.2	9.0	8.7	10.0	10.2	8.5	7.4	5.8	4.2	3.9	3.2	2.9	5.5	(X)

X Not applicable.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter B (PC80-1-B); *Current Population Reports*, series P-20, No. 416; and unpublished data.

No. 21. Resident Population, by Age, Sex, and Race: 1970 to 1987

[In thousands, except as indicated. 1970 and 1980 data based on enumerated population as of April 1; other years based on estimated population as of July 1. Excludes Armed Forces overseas. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A119–134]

YEAR, SEX, AND RACE	Total, all years	Under 5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years	55–59 years	60–64 years	65–74 years	75 years and over	5–13 years	14–17 years	18–24 years	16 years and over	65 years and over	Median age (yr.)
1970, total [1] [2]	**203,235**	**17,163**	**19,969**	**20,804**	**19,084**	**16,383**	**13,486**	**11,437**	**11,113**	**11,988**	**12,124**	**11,111**	**9,979**	**8,623**	**12,443**	**7,530**	**36,675**	**15,851**	**23,714**	**141,268**	**19,972**	**28.0**
Male	98,926	8,750	10,175	10,598	9,641	7,925	6,626	5,599	5,416	5,823	5,855	5,351	4,769	4,030	5,440	2,927	18,687	8,069	11,583	67,347	8,367	26.8
Female	104,309	8,413	9,794	10,206	9,443	8,458	6,859	5,838	5,697	6,166	6,269	5,759	5,210	4,593	7,002	4,603	17,987	7,782	12,131	73,920	11,605	29.3
White	178,098	14,464	16,941	17,724	16,412	14,327	11,850	10,000	9,749	10,633	10,868	10,019	9,021	7,816	11,300	6,972	31,171	13,579	20,655	125,520	18,272	28.9
Black	22,581	2,434	2,749	2,812	2,425	1,816	1,429	1,254	1,196	1,199	1,124	990	874	734	1,043	501	5,009	2,073	2,721	14,063	1,544	22.4
1980, total [1]	**226,546**	**16,348**	**16,700**	**18,242**	**21,168**	**21,319**	**19,521**	**17,561**	**13,965**	**11,669**	**11,090**	**11,710**	**11,615**	**10,088**	**15,581**	**9,969**	**31,159**	**16,247**	**30,022**	**171,196**	**25,549**	**30.0**
Male	110,053	8,362	8,539	9,316	10,755	10,663	9,705	8,677	6,862	5,708	5,388	5,621	5,482	4,670	6,757	3,548	15,923	8,296	15,054	81,766	10,305	28.8
Female	116,493	7,986	8,161	8,926	10,413	10,655	9,816	8,884	7,104	5,961	5,702	6,089	6,133	5,418	8,824	6,420	15,237	7,950	14,969	89,429	15,245	31.3
White [3]	194,713	13,414	13,717	15,095	17,681	18,072	16,658	15,157	12,122	10,110	9,693	10,360	10,394	9,078	14,045	9,117	25,691	13,492	25,381	149,121	23,162	30.9
Male [3]	94,924	6,882	7,034	7,730	9,008	9,102	8,363	7,565	6,014	4,991	4,755	5,016	4,928	4,221	6,095	3,221	13,165	6,906	12,803	71,559	9,316	29.6
Female [3]	99,788	6,532	6,683	7,365	8,673	8,970	8,295	7,592	6,108	5,119	4,938	5,344	5,466	4,856	7,950	5,896	12,526	6,586	12,579	77,562	13,846	32.2
Black [3]	26,683	2,459	2,509	2,691	3,007	2,749	2,342	1,904	1,469	1,260	1,150	1,135	1,041	874	1,344	748	4,629	2,380	3,948	18,425	2,092	24.9
Male [3]	12,612	1,240	1,265	1,353	1,500	1,313	1,095	879	667	571	519	507	469	386	567	281	2,330	1,198	1,903	8,454	849	23.6
Female [3]	14,071	1,220	1,245	1,338	1,506	1,436	1,247	1,025	801	689	632	628	573	488	777	467	2,299	1,181	2,045	9,971	1,243	26.2
1981, total	229,637	16,931	16,093	18,312	20,501	21,614	20,200	18,786	14,381	12,019	10,992	11,616	11,579	10,376	15,914	10,323	30,754	15,598	30,168	174,517	26,236	30.3
1982, total	231,996	17,298	16,020	18,172	19,887	21,587	20,753	18,808	15,599	12,450	11,027	11,455	11,510	10,603	16,197	10,630	30,614	15,040	30,012	176,822	26,827	30.6
1983, total	234,284	17,650	16,147	17,912	19,274	21,488	21,202	19,211	16,165	13,135	11,226	11,213	11,528	10,705	16,494	10,934	30,410	14,720	29,692	178,965	27,428	30.9
1984, total	236,477	17,830	16,464	17,511	18,785	21,327	21,535	19,696	16,932	13,614	11,463	11,032	11,444	10,872	16,739	11,234	30,238	14,704	29,145	180,992	27,973	31.2
1985, total	238,736	18,004	16,822	17,101	18,552	21,000	21,758	20,269	17,708	14,056	11,645	10,944	11,342	10,995	17,009	11,531	30,110	14,865	28,500	183,040	28,540	31.5
1986, total	241,096	18,152	17,295	16,565	18,610	20,411	22,005	20,774	18,723	14,347	11,926	10,889	11,271	10,961	17,332	11,636	30,351	14,797	27,733	185,238	29,167	31.8
1987, total [1]	**243,400**	**18,252**	**17,661**	**16,485**	**18,459**	**19,793**	**21,980**	**21,335**	**18,738**	**15,567**	**12,360**	**10,926**	**11,121**	**10,899**	**17,667**	**12,168**	**30,823**	**14,467**	**27,107**	**187,463**	**29,835**	**32.1**
Male	118,531	9,341	9,037	8,450	9,412	9,915	11,009	10,661	9,273	7,639	6,025	5,285	5,298	5,068	7,824	4,295	15,784	7,414	13,615	89,892	12,119	31.0
Female	124,869	8,910	8,625	8,035	9,047	9,878	10,971	10,674	9,465	7,928	6,326	5,641	5,823	5,831	9,844	7,873	15,039	7,053	13,492	97,572	17,716	33.3
White	205,820	14,754	14,240	13,246	15,014	16,367	18,435	17,975	15,968	13,505	10,631	9,437	9,735	9,647	15,817	11,048	24,828	11,700	22,339	160,733	26,865	33.0
Male	100,589	7,567	7,305	6,803	7,664	8,238	9,313	9,071	7,994	6,696	5,239	4,612	4,673	4,507	7,028	3,877	12,744	6,003	11,264	77,454	10,905	31.9
Female	105,231	7,187	6,935	6,442	7,350	8,129	9,121	8,903	7,974	6,809	5,392	4,825	5,063	5,139	8,789	7,171	12,084	5,697	11,075	83,279	15,960	34.2
Black	29,736	2,745	2,728	2,589	2,790	2,762	2,811	2,593	2,108	1,546	1,323	1,169	1,112	1,012	1,518	930	4,786	2,235	3,848	21,116	2,448	27.2
Male	14,103	1,393	1,383	1,314	1,406	1,334	1,334	1,215	964	699	594	523	506	455	647	337	2,428	1,135	1,874	9,729	984	25.8
Female	15,633	1,352	1,345	1,275	1,384	1,428	1,477	1,378	1,144	846	729	646	607	557	871	594	2,358	1,100	1,974	11,386	1,465	28.5
Percent:																						
1970	100.0	8.4	9.8	10.2	9.4	8.1	6.6	5.6	5.5	5.9	6.0	5.5	4.9	4.2	6.1	3.7	18.0	7.8	11.7	69.5	9.8	(x)
1980	100.0	7.2	7.4	8.1	9.3	9.4	8.6	7.8	6.2	5.2	4.9	5.2	5.1	4.5	6.9	4.4	13.8	7.2	13.3	75.6	11.3	(x)
1987, total [1]	**100.0**	**7.5**	**7.3**	**6.8**	**7.6**	**8.1**	**9.0**	**8.8**	**7.7**	**6.4**	**5.1**	**4.5**	**4.6**	**4.5**	**7.3**	**5.0**	**12.7**	**5.9**	**11.1**	**77.0**	**12.3**	(x)
Male	100.0	7.9	7.6	7.1	7.9	8.4	9.3	9.0	7.8	6.4	5.1	4.5	4.5	4.3	6.6	3.6	13.3	6.3	11.5	75.8	10.2	(x)
Female	100.0	7.1	6.9	6.4	7.2	7.9	8.8	8.5	7.6	6.3	5.1	4.5	4.7	4.7	7.9	6.3	12.0	5.6	10.8	78.1	14.2	(x)
White	100.0	7.2	6.9	6.4	7.3	8.0	9.0	8.7	7.8	6.6	5.2	4.6	4.7	4.7	7.7	5.4	12.1	5.7	10.9	78.1	13.1	(x)
Black	100.0	9.2	9.2	8.7	9.4	9.3	9.5	8.7	7.1	5.2	4.4	3.9	3.7	3.4	5.1	3.1	16.1	7.5	12.9	71.0	8.2	(x)

X Not applicable. [1] Includes other races, not shown separately. [2] Official count. The revised 1970 resident population count is 203,302,031; the difference of [illegible],733 is due to errors found after release of the official series. [3] The race data shown for April 1, 1980 have been modified. See text, section 1 for explanation.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 870 and 1022.

No. 22. Resident Population—

[1950–1980, as of Apr. 1; beginning 1981, as of July 1. Insofar as possible, population shown for all years is that of present area of State; See *Historical Statistics, Colonial Times to 1970*, series A 172, for population by regions,

REGION, DIVISION, AND STATE OR OTHER AREA	POPULATION (1,000)											RANK
	1950	1960	1970	1980	1981	1982	1983	1984	1985	1986	1987, prel.	1950
U.S.	**151,326**	**179,323**	**203,302**	**226,546**	**229,637**	**231,996**	**234,284**	**236,477**	**238,736**	**241,096**	**243,400**	(x)
Region:												
Northeast	39,478	44,678	49,061	49,135	49,262	49,324	49,526	49,713	49,858	50,056	50,278	(x)
Midwest	44,461	51,619	56,589	58,866	59,006	58,957	58,930	59,091	59,193	59,292	59,538	(x)
South	47,197	54,973	62,812	75,372	77,057	78,483	79,732	80,786	81,891	83,003	83,884	(x)
West	20,190	28,053	34,838	43,172	44,313	45,232	46,095	46,887	47,794	48,745	49,700	(x)
N.E.	**9,314**	**10,509**	**11,848**	**12,348**	**12,418**	**12,435**	**12,493**	**12,577**	**12,663**	**12,742**	**12,844**	(x)
ME	914	969	994	1,125	1,135	1,139	1,147	1,157	1,165	1,172	1,187	35
NH	533	607	738	921	937	948	959	978	998	1,027	1,057	44
VT	378	390	445	511	516	520	526	530	535	541	548	46
MA	4,691	5,149	5,689	5,737	5,754	5,746	5,764	5,795	5,823	5,834	5,855	9
RI	792	859	950	947	952	953	955	960	967	975	986	36
CT	2,007	2,535	3,032	3,108	3,124	3,128	3,143	3,157	3,175	3,193	3,211	28
M.A.	**30,164**	**34,168**	**37,213**	**36,787**	**36,844**	**36,889**	**37,034**	**37,136**	**37,195**	**37,313**	**37,433**	(x)
NY	14,830	16,782	18,241	17,558	17,559	17,575	17,670	17,727	17,762	17,795	17,825	1
NJ	4,835	6,067	7,171	7,365	7,407	7,430	7,468	7,518	7,568	7,625	7,672	8
PA	10,498	11,319	11,801	11,864	11,879	11,883	11,895	11,892	11,864	11,894	11,936	3
E.N.C.	**30,399**	**36,225**	**40,262**	**41,682**	**41,711**	**41,607**	**41,511**	**41,581**	**41,642**	**41,722**	**41,904**	(x)
OH	7,947	9,706	10,657	10,798	10,801	10,777	10,741	10,742	10,745	10,748	10,784	5
IN	3,934	4,662	5,195	5,490	5,489	5,484	5,475	5,492	5,500	5,503	5,531	12
IL	8,712	10,081	11,110	11,427	11,474	11,461	11,493	11,525	11,538	11,551	11,582	4
MI	6,372	7,823	8,882	9,262	9,210	9,118	9,054	9,060	9,085	9,139	9,200	7
WI	3,435	3,952	4,418	4,706	4,736	4,747	4,748	4,763	4,775	4,783	4,807	14
W.N.C.	**14,061**	**15,394**	**16,327**	**17,183**	**17,295**	**17,350**	**17,419**	**17,509**	**17,551**	**17,569**	**17,634**	(x)
MN	2,982	3,414	3,806	4,076	4,112	4,133	4,145	4,163	4,190	4,213	4,246	18
IA	2,621	2,758	2,825	2,914	2,918	2,908	2,905	2,904	2,880	2,850	2,834	22
MO	3,955	4,320	4,678	4,917	4,939	4,943	4,965	5,004	5,034	5,064	5,103	11
ND	620	632	618	653	661	672	681	687	685	679	672	41
SD	653	681	666	691	692	695	699	705	708	708	709	40
NE	1,326	1,411	1,485	1,570	1,583	1,590	1,596	1,605	1,604	1,598	1,594	33
KS	1,905	2,179	2,249	2,364	2,389	2,410	2,428	2,441	2,449	2,459	2,476	31
S.A.	**21,182**	**25,972**	**30,678**	**36,959**	**37,797**	**38,318**	**38,878**	**39,534**	**40,214**	**40,938**	**41,684**	(x)
DE	318	446	548	594	597	600	606	614	622	633	644	47
MD	2,343	3,101	3,924	4,217	4,256	4,272	4,299	4,347	4,391	4,461	4,535	24
DC	802	764	757	638	633	627	624	624	623	625	622	(x)
VA	3,319	3,967	4,651	5,347	5,442	5,488	5,558	5,635	5,701	5,795	5,904	15
WV	2,006	1,860	1,744	1,950	1,961	1,962	1,963	1,952	1,936	1,917	1,897	29
NC	4,062	4,556	5,084	5,882	5,956	6,019	6,080	6,169	6,260	6,331	6,413	10
SC	2,117	2,383	2,591	3,122	3,186	3,220	3,253	3,296	3,334	3,381	3,425	27
GA	3,445	3,943	4,588	5,463	5,570	5,654	5,735	5,843	5,973	6,100	6,222	13
FL	2,771	4,952	6,791	9,746	10,194	10,475	10,758	11,053	11,373	11,694	12,023	20
E.S.C.	**11,477**	**12,050**	**12,808**	**14,666**	**14,786**	**14,873**	**14,951**	**15,040**	**15,128**	**15,200**	**15,290**	(x)
KY	2,945	3,038	3,221	3,661	3,675	3,695	3,715	3,723	3,728	3,726	3,727	19
TN	3,292	3,567	3,926	4,591	4,639	4,666	4,690	4,728	4,766	4,800	4,855	16
AL	3,062	3,267	3,444	3,894	3,928	3,944	3,963	3,991	4,020	4,050	4,083	17
MS	2,179	2,178	2,217	2,521	2,544	2,567	2,583	2,599	2,613	2,624	2,625	26
W.S.C.	**14,538**	**16,951**	**19,326**	**23,747**	**24,474**	**25,292**	**25,902**	**26,212**	**26,549**	**26,864**	**26,910**	(x)
AR	1,910	1,786	1,923	2,286	2,300	2,308	2,326	2,346	2,359	2,371	2,388	30
LA	2,684	3,257	3,645	4,206	4,300	4,383	4,441	4,462	4,485	4,499	4,461	21
OK	2,233	2,328	2,559	3,025	3,105	3,223	3,317	3,321	3,316	3,306	3,272	25
TX	7,711	9,580	11,199	14,229	14,768	15,378	15,818	16,083	16,389	16,689	16,789	6
Mt	**5,075**	**6,855**	**8,289**	**11,373**	**11,742**	**12,054**	**12,319**	**12,537**	**12,768**	**12,962**	**13,167**	(x)
MT	591	675	694	787	796	805	816	823	825	817	809	42
ID	589	667	713	944	964	978	988	999	1,004	1,002	998	43
WY	291	330	332	470	494	510	516	513	510	507	490	48
CO	1,325	1,754	2,210	2,890	2,984	3,072	3,148	3,189	3,233	3,266	3,296	34
NM	681	951	1,017	1,303	1,335	1,369	1,402	1,427	1,450	1,479	1,500	39
AZ	750	1,302	1,775	2,718	2,808	2,884	2,958	3,047	3,161	3,279	3,386	37
UT	689	891	1,059	1,461	1,516	1,559	1,595	1,623	1,644	1,664	1,680	38
NV	160	285	489	800	845	877	895	916	940	967	1,007	49
Pac	**15,115**	**21,198**	**26,549**	**31,800**	**32,570**	**33,179**	**33,777**	**34,350**	**35,027**	**35,763**	**36,533**	(x)
WA	2,379	2,853	3,413	4,132	4,237	4,279	4,304	4,349	4,406	4,463	4,538	23
OR	1,521	1,769	2,092	2,633	2,671	2,671	2,663	2,679	2,689	2,702	2,724	32
CA	10,586	15,717	19,971	23,668	24,267	24,786	25,309	25,780	26,358	27,001	27,663	2
AK	129	226	303	402	416	446	483	505	522	532	525	50
HI	500	633	770	965	980	998	1,019	1,036	1,051	1,065	1,083	45
PR	2,211	2,350	2,712	3,197	3,245	3,262	3,265	3,269	3,282	3,274	(NA)	(x)

NA Not available. X Not applicable. Z Less than .05 percent. [1]For U.S., population of U.S. has been divided by total land area. For each State and Puerto Rico, population at given census has been divided by land area as then constituted.

STATES AND PUERTO RICO: 1950 TO 1987

for area figures of States, see table 331. For composition of regions, see fig. 1, inside front cover. Minus sign (—) indicates decrease and A 195-198 for population and density, by States]

RANK				PERCENT CHANGE				POPULATION PER SQ. MILE OF LAND AREA [1]					REGION, DIVISION, AND STATE OR OTHER AREA
1960	1970	1980	1987	1950-1960	1960-1970	1970-1980	1980-1987	1950	1960	1970	1980	1987	
(X)	(X)	(X)	(X)	**18.5**	**13.4**	**11.4**	**7.4**	**42.6**	**50.6**	**[2]57.4**	**64.0**	**68.8**	**U.S.**
													Region:
(X)	(X)	(X)	(X)	13.2	9.8	.2	2.3	241.2	273.4	300.4	301.9	308.9	Northeast.
(X)	(X)	(X)	(X)	16.1	9.6	4.0	1.1	58.8	66.6	75.2	78.3	79.2	Midwest.
(X)	(X)	(X)	(X)	16.5	14.3	20.0	11.3	53.7	62.8	71.9	86.3	96.1	South.
(X)	(X)	(X)	(X)	38.9	24.2	23.9	15.1	11.5	16.0	19.9	24.6	28.4	West.
(X)	(X)	(X)	(X)	**12.8**	**12.7**	**4.2**	**4.0**	**147.5**	**166.8**	**188.1**	**196.0**	**203.8**	**N.E.**
36	38	38	38	6.1	2.6	13.2	5.5	29.4	31.3	32.1	36.3	38.3	ME
45	41	42	40	13.8	21.6	24.8	14.8	59.1	67.2	81.7	102.4	117.5	NH
47	48	48	48	3.2	14.1	15.0	7.2	40.7	42.0	47.9	55.2	59.1	VT
9	10	11	13	9.8	10.5	.8	2.1	596.2	657.3	727.0	733.3	748.4	MA
39	39	40	43	8.5	10.6	−.3	4.1	748.5	819.3	902.5	897.8	934.6	RI
25	24	25	28	26.3	19.6	2.5	3.3	409.7	520.6	623.6	637.8	659.1	CT
(X)	(X)	(X)	(X)	**13.3**	**8.9**	**−1.1**	**1.8**	**300.1**	**340.2**	**370.8**	**368.9**	**375.3**	**M.A.**
1	2	2	2	13.2	8.7	−3.7	1.5	309.3	350.6	381.3	370.6	376.2	NY
8	8	9	9	25.5	18.2	2.7	4.2	642.8	805.5	953.1	986.2	1,027.3	NJ
3	3	4	5	7.8	4.3	.5	.6	233.1	251.4	262.3	264.3	265.9	PA
(X)	(X)	(X)	(X)	**19.2**	**11.1**	**3.5**	**.5**	**124.1**	**148.2**	**164.9**	**170.8**	**171.8**	**E.N.C.**
5	6	6	7	22.1	9.8	1.3	−.1	193.8	236.6	260.0	263.3	263.0	OH
11	11	12	14	18.5	11.4	5.7	.7	108.7	128.8	143.9	152.8	153.9	IN
4	5	5	6	15.7	10.2	2.8	1.4	155.8	180.4	199.4	205.3	208.1	IL
7	7	8	8	22.8	13.5	4.3	−.7	111.7	137.7	156.2	162.6	161.5	MI
15	16	16	17	15.1	11.8	6.5	2.1	62.8	72.6	81.1	86.5	88.3	WI
(X)	(X)	(X)	(X)	**9.5**	**6.1**	**5.2**	**2.8**	**27.5**	**30.3**	**32.1**	**33.8**	**34.7**	**W.N.C.**
18	19	21	21	14.5	11.5	7.1	4.2	37.3	43.1	48.0	51.2	53.4	MN
24	25	27	29	5.2	2.4	3.1	−2.7	46.8	49.2	50.5	52.1	50.6	IA
13	13	15	15	9.2	8.3	5.1	3.8	57.1	62.6	67.8	71.3	74.0	MO
44	45	46	46	2.1	−2.2	5.7	2.9	8.8	9.1	8.9	9.4	9.7	ND
40	44	45	45	4.3	−2.2	3.7	2.7	8.5	9.0	8.8	9.1	9.3	SD
34	35	35	36	6.5	5.2	5.7	1.6	17.3	18.4	19.4	20.5	20.8	NE
28	28	32	32	14.3	3.2	5.1	4.7	23.2	26.6	27.5	28.9	30.3	KS
(X)	(X)	(X)	(X)	**22.6**	**18.1**	**20.5**	**12.8**	**79.0**	**97.1**	**114.9**	**136.4**	**156.2**	**S.A.**
46	46	47	47	40.3	22.9	8.4	8.3	160.8	225.2	276.5	307.6	333.3	DE
21	18	18	19	32.3	26.5	7.5	7.5	237.1	313.5	396.6	428.7	461.0	MD
(X)	(X)	(X)	(X)	−4.8	−.9	−15.6	−2.6	13,151	12,524	12,402	10,132	9,871	DC
14	14	14	12	19.5	17.2	14.9	10.4	83.2	99.6	116.9	134.7	148.7	VA
30	34	34	34	−7.2	−6.2	11.8	−2.7	83.3	77.2	72.5	80.8	78.7	WV
12	12	10	10	12.2	11.6	15.7	9.0	82.7	93.2	104.1	120.4	131.3	NC
26	26	24	24	12.5	8.7	20.5	9.7	69.9	78.7	85.7	103.4	113.4	SC
16	15	13	11	14.5	16.4	19.1	13.9	58.9	67.8	79.0	94.1	107.2	GA
10	9	7	4	78.7	37.1	43.5	23.4	51.1	91.5	125.5	180.0	222.0	FL
(X)	(X)	(X)	(X)	**5.0**	**6.3**	**14.5**	**4.3**	**53.8**	**57.2**	**71.5**	**82.0**	**85.5**	**E.S.C.**
22	23	23	23	3.2	6.0	13.7	1.8	73.9	76.2	81.2	92.3	94.0	KY
17	17	17	16	8.4	10.1	16.9	5.7	78.8	86.2	94.9	111.6	118.0	TN
19	21	22	22	6.7	5.4	13.1	4.9	59.9	64.2	67.9	76.7	80.4	AL
29	29	31	31	(−Z)	1.8	13.7	4.1	46.1	46.0	46.9	53.4	55.6	MS
(X)	(X)	(X)	(X)	**16.6**	**14.0**	**22.9**	**13.3**	**33.8**	**39.5**	**45.2**	**55.6**	**63.0**	**W.S.C.**
31	32	33	33	−6.5	7.7	18.9	4.5	36.3	34.2	37.0	43.9	45.9	AR
20	20	19	20	21.4	11.9	15.4	6.1	59.4	72.2	81.0	94.5	100.2	LA
27	27	26	27	4.3	9.9	18.2	8.2	32.4	33.8	37.2	44.1	47.7	OK
6	4	3	3	24.2	16.9	27.1	18.0	29.3	36.4	42.7	54.3	64.1	TX
(X)	(X)	(X)	(X)	**35.1**	**20.9**	**37.2**	**15.8**	**5.9**	**8.0**	**9.7**	**13.3**	**15.4**	**Mt.**
41	43	44	44	14.2	2.8	13.3	2.9	4.1	4.6	4.8	5.4	5.6	MT
42	42	41	42	13.3	6.9	32.4	5.8	7.1	8.1	8.6	11.5	12.1	ID
48	49	49	50	13.6	.6	41.3	4.4	3.0	3.4	3.4	4.8	5.1	WY
33	30	28	26	32.4	26.0	30.8	14.1	12.8	16.9	21.3	27.9	31.8	CO
37	37	37	37	39.6	6.9	28.1	15.1	5.6	7.8	8.4	10.7	12.4	NM
35	33	29	25	73.7	36.3	53.1	24.6	6.6	11.5	15.6	23.9	29.8	AZ
38	36	36	35	29.3	18.9	37.9	15.0	8.4	10.8	12.9	17.8	20.5	UT
49	47	43	41	78.2	71.6	63.8	25.8	1.5	2.6	4.4	7.3	9.2	NV
(X)	(X)	(X)	(X)	**40.2**	**25.2**	**19.8**	**14.9**	**16.8**	**23.8**	**[2]29.7**	**35.5**	**40.8**	**Pac.**
23	22	20	18	19.9	19.6	21.1	9.8	35.6	42.8	51.2	62.1	68.2	WA
32	31	30	30	16.3	18.3	25.9	3.4	15.8	18.4	21.7	27.4	28.3	OR
2	1	1	1	48.5	27.1	18.5	16.9	67.5	100.4	127.6	151.4	177.0	CA
50	50	50	49	75.8	34.1	32.8	30.7	.2	.4	[2].5	.7	.9	AK
43	40	39	39	26.2	21.6	25.3	12.2	78.0	98.5	119.6	150.1	168.5	HI
(X)	(X)	(X)	(X)	6.3	15.4	17.9	(NA)	645.8	686.4	792.8	924.1	(NA)	PR

[2] Land area for Alaska corrected after 1970 final reports were issued.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I; and *1980 Census of Population*, vol. 1, chapter A (PC80-1-A) and chapter B (PC80-1-B); and *Current Population Reports*, series P-25, No. 1024.

NO. 23. U.S. RESIDENT POPULATION, BY REGION AND DIVISION, 1960 TO 1987, AND PROJECTIONS, 1990 TO 2000

[As of **April** 1, except beginning **1987**, as of **July** 1. For composition of divisions, see fig. I, inside front cover]

REGION AND DIVISION	POPULATION (millions)							PERCENT DISTRIBUTION						
	1960	1970	1980	1987	1990	1995	2000	1960	1970	1980	1987	1990	1995	2000
United States	**179.3**	**203.3**	**226.5**	**243.4**	**249.9**	**259.6**	**267.7**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Northeast	44.7	49.1	49.1	50.3	50.6	51.3	51.8	24.9	24.1	21.7	20.7	20.2	19.8	19.4
New England	10.5	11.8	12.3	12.8	13.1	13.5	13.8	5.9	5.8	5.5	5.3	5.2	5.2	5.1
Middle Atlantic	34.2	37.2	36.8	37.4	37.5	37.8	38.0	19.1	18.3	16.2	15.4	15.0	14.6	14.2
Midwest	51.6	56.6	58.9	59.5	59.8	59.9	59.6	28.8	27.8	26.0	24.5	23.9	23.1	22.3
East North Central	36.2	40.3	41.7	41.9	42.1	42.0	41.7	20.2	19.8	18.4	17.2	16.8	16.2	15.6
West North Central	15.4	16.3	17.2	17.6	17.7	17.8	17.9	8.6	8.0	7.6	7.2	7.1	6.9	6.7
South	55.0	62.8	75.4	83.9	87.3	92.4	96.9	30.7	30.9	33.3	34.5	34.9	35.6	36.2
South Atlantic	26.0	30.7	37.0	41.7	43.7	47.1	50.0	14.5	15.1	16.3	17.1	17.5	18.1	18.7
East South Central	12.1	12.8	14.7	15.3	15.6	16.0	16.3	6.7	6.3	6.5	6.3	6.2	6.2	6.1
West South Central	17.0	19.3	23.7	26.9	27.9	29.3	30.6	9.5	9.5	10.5	11.1	11.2	11.3	11.4
West	28.1	34.8	43.2	49.7	52.3	56.1	59.4	15.6	17.1	19.1	20.4	20.9	21.6	22.2
Mountain	6.9	8.3	11.4	13.2	14.0	15.1	16.0	3.8	4.1	5.0	5.4	5.6	5.8	6.0
Pacific	21.2	26.5	31.8	36.5	38.3	41.0	43.4	11.8	13.1	14.0	15.0	15.3	15.8	16.2

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I; *1980 Census of Population*, vol. 1, chapter A (PC80-1-A); *Current Population Reports*, series P-25, Nos. 1017 and 1024.

NO. 24. ANNUAL INMIGRATION, OUTMIGRATION, AND NET MIGRATION FOR REGIONS, 1980 TO 1987, AND MOVEMENT BETWEEN REGIONS, 1986-1987

[**In thousands.** As of **March.** For persons 1 year old and over. Excludes members of the Armed Forces except those living off post or with their families on post. Based on *Current Population Survey;* see text, section I and Appendix III. For composition of regions, see fig. I, inside front cover. Minus sign (–) indicates net outmigration]

PERIOD	Northeast	Midwest	South	West
1980–1981: Inmigrants	464	650	1,377	871
Outmigrants	706	1,056	890	710
Net migration	–242	–406	487	161
1981–1982: Inmigrants	473	793	1,482	931
Outmigrants	685	1,163	1,012	819
Net migration	–212	–370	470	112
1982–1983: Inmigrants	439	661	1,211	880
Outmigrants	625	947	973	645
Net migration	–186	–286	238	235
1983–1984: Inmigrants	487	820	1,399	834
Outmigrants	578	1,102	973	887
Net migration	–91	–282	426	–53
1984–1985: Inmigrants	482	842	1,329	994
Outmigrants	691	1,053	1,169	734
Net migration	–209	–211	160	260
1985–1986: Inmigrants	502	1,011	1,355	910
Outmigrants	752	996	1,320	710
Net migration	–250	15	35	200
1986–1987:				
Total inmigrants	398	858	1,374	916
From Northeast	(x)	130	433	169
From Midwest	71	(x)	558	340
From South	226	462	(x)	407
From West	101	266	383	(x)
Total outmigrants	732	969	1,095	750
To Northeast	(x)	71	226	101
To Midwest	130	(x)	462	266
To South	433	558	(x)	383
To West	169	340	407	(x)
Net migration	–334	–111	279	166

X Not applicable.

NO. 25. MOBILITY STATUS OF THE POPULATION, BY SELECTED CHARACTERISTICS: 1986–1987

[See headnote, table 24]

AGE AND REGION	Total (1,000)	PERCENT DISTRIBUTION						
		Non-movers (same house)	Movers (different house in U.S.)					Movers from abroad
			Total	Same county	Different county			
					Total	Same State	Different State	
Total	**235,089**	**81.4**	**18.1**	**11.6**	**6.5**	**3.7**	**2.8**	**.5**
1–4 years old	14,430	72.6	26.7	18.2	8.5	5.0	3.5	.7
5–9 years old	17,516	79.8	19.9	13.5	6.4	3.7	2.7	.4
10–14 years old	16,454	83.4	16.1	11.0	5.1	2.8	2.3	.5
15–19 years old	18,186	82.3	17.0	10.8	6.2	3.3	2.9	.7
20–24 years old	19,358	64.4	34.7	21.7	13.1	7.6	5.4	.9
25–29 years old	21,636	67.3	31.8	20.4	11.4	6.7	4.7	.8
30–44 years old	54,631	80.6	18.9	12.1	6.9	3.9	3.0	.5
45–54 years old	23,018	89.6	10.2	6.0	4.2	2.3	1.9	.2
55–64 years old	21,883	92.1	7.7	4.3	3.4	1.8	1.5	.2
65–74 years old	17,232	94.2	5.6	3.4	2.3	1.2	1.0	.2
75 years old and over	10,743	95.0	4.9	3.0	1.9	1.2	.8	.1
Northeast	48,864	87.6	11.9	7.6	4.4	2.7	1.6	.4
Midwest	57,813	83.0	16.7	10.7	6.0	3.6	2.4	.3
South	80,500	79.4	20.3	12.9	7.4	4.0	3.4	.3
West	47,912	76.6	22.4	14.5	7.9	4.5	3.4	1.0

Source of tables 24 and 25: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 430.

No. 26. Components of Population Change—States: 1970-1980 and 1980-1987

[In thousands, except percent. Total resident population. For explanation of methodology, see source. For composition of regions, see fig. I, inside front cover. Minus sign (–) indicates decrease or net outmigration. See also *Historical Statistics, Colonial Times to 1970*, series C 25–75]

REGION, DIVISION, AND STATE	APRIL 1, 1970 TO APRIL 1, 1980						APRIL 1, 1980 TO JULY 1, 1987				
	Net change		Births	Deaths	Net total migration [2]	Error of closure [3]	Net change		Births	Deaths	Net total migration [2]
	Number	Percent [1]					Number	Percent [1]			
United States	**23,244**	**11.4**	**33,244**	**19,279**	**4,516**	**4,763**	**16,854**	**7.4**	**26,716**	**14,745**	**4,884**
Region:											
Northeast	75	.2	6,661	4,750	–2,888	1,052	1,142	2.3	4,957	3,452	–363
Midwest	2,275	4.0	9,032	5,309	–2,703	1,255	673	1.1	6,626	3,811	–2,142
South	12,559	20.0	11,221	6,210	5,992	1,557	8,511	11.3	9,199	5,001	4,313
West	8,334	23.9	6,330	3,010	4,115	899	6,528	15.1	5,934	2,481	3,075
New England	**501**	**4.2**	**1,607**	**1,128**	**–241**	**265**	**496**	**4.0**	**1,244**	**834**	**86**
Maine	131	13.2	161	106	52	24	62	5.5	121	79	20
New Hampshire	183	24.8	122	74	117	19	136	14.6	105	58	90
Vermont	67	15.0	72	43	27	11	37	7.2	58	33	12
Massachusetts	48	.8	737	550	–263	124	118	2.1	564	397	–49
Rhode Island	–3	–.3	123	92	–53	20	39	4.1	92	68	15
Connecticut	75	2.5	391	262	–121	67	104	3.3	304	199	–1
Middle Atlantic	**–426**	**–1.1**	**5,055**	**3,622**	**–2,647**	**787**	**647**	**1.8**	**3,713**	**2,617**	**–449**
New York	–683	–3.7	2,481	1,722	–1,820	378	267	1.5	1,822	1,230	–324
New Jersey	194	2.7	981	670	–275	157	307	4.2	735	503	75
Pennsylvania	63	.5	1,593	1,230	–551	252	72	.6	1,157	884	–201
East North Central	**1,419**	**3.5**	**6,454**	**3,702**	**–2,220**	**887**	**222**	**.5**	**4,619**	**2,656**	**–1,741**
Ohio	140	1.3	1,676	987	–779	230	–14	–.1	1,173	709	–478
Indiana	295	5.7	865	480	–206	116	41	.7	596	347	–207
Illinois	316	2.8	1,790	1,066	–649	241	156	1.4	1,316	740	–420
Michigan	380	4.3	1,441	763	–496	198	–62	–.7	1,002	561	–503
Wisconsin	288	6.5	682	406	–90	102	101	2.1	533	299	–133
West North Central	**856**	**5.2**	**2,579**	**1,607**	**–484**	**368**	**451**	**2.6**	**2,007**	**1,155**	**–401**
Minnesota	270	7.1	595	332	–80	88	170	4.2	487	247	–70
Iowa	88	3.1	432	284	–122	62	–80	–2.7	312	197	–194
Missouri	239	5.1	728	502	–92	104	186	3.8	551	358	–7
North Dakota	35	5.7	107	55	–31	14	19	2.9	86	40	–27
South Dakota	25	3.7	117	66	–41	15	18	2.7	90	48	–24
Nebraska	84	5.7	246	148	–47	34	25	1.6	189	107	–58
Kansas	115	5.1	354	220	–71	51	112	4.7	291	159	–20
South Atlantic	**6,280**	**20.5**	**5,149**	**3,071**	**3,440**	**762**	**4,725**	**12.8**	**4,174**	**2,535**	**3,087**
Delaware	46	8.4	88	49	–6	12	50	8.3	66	35	19
Maryland	293	7.5	568	329	–36	90	318	7.5	472	257	103
District of Columbia	–118	–15.6	109	77	–164	14	–16	–2.6	70	50	–36
Virginia	695	14.9	748	404	239	112	557	10.4	602	319	274
West Virginia	206	11.8	290	197	71	40	–52	–2.7	187	140	–99
North Carolina	797	15.7	863	466	278	121	531	9.0	628	371	275
South Carolina	531	20.5	498	240	210	63	303	9.7	374	192	121
Georgia	875	19.1	862	427	329	111	759	13.9	674	338	424
Florida	2,955	43.5	1,121	883	2,519	198	2,277	23.4	1,102	832	2,007
East South Central	**1,858**	**14.5**	**2,301**	**1,362**	**556**	**303**	**623**	**4.3**	**1,639**	**989**	**–26**
Kentucky	440	13.7	568	334	131	75	66	1.8	397	247	–84
Tennessee	665	16.9	664	391	297	95	264	5.7	483	306	87
Alabama	450	13.1	615	344	97	81	189	4.9	437	264	16
Mississippi	304	13.7	454	233	31	52	104	4.1	322	173	–45
West South Central	**4,421**	**22.9**	**3,772**	**1,838**	**1,995**	**492**	**3,163**	**13.3**	**3,386**	**1,476**	**1,253**
Arkansas	363	18.9	349	217	184	47	102	4.5	256	169	15
Louisiana	561	15.4	717	344	100	88	255	6.1	591	263	–74
Oklahoma	466	18.2	445	272	230	63	247	8.2	392	212	67
Texas	3,031	27.1	2,261	1,005	1,481	294	2,559	18.0	2,148	833	1,245
Mountain	**3,083**	**37.2**	**1,837**	**718**	**1,730**	**236**	**1,794**	**15.8**	**1,687**	**619**	**727**
Montana	92	13.3	126	67	16	17	23	2.9	100	49	–29
Idaho	231	32.4	166	65	110	20	54	5.8	133	52	–27
Wyoming	137	41.3	73	31	85	10	21	4.4	72	23	–28
Colorado	680	30.8	415	181	385	61	406	14.1	391	145	160
New Mexico	286	28.1	224	81	116	27	197	15.1	198	68	68
Arizona	943	53.1	405	173	656	55	668	24.6	401	170	437
Utah	402	37.9	329	75	119	30	219	15.0	284	63	–2
Nevada	312	63.8	99	46	243	16	207	25.8	107	50	149
Pacific	**5,251**	**19.8**	**4,493**	**2,292**	**2,385**	**664**	**4,733**	**14.9**	**4,247**	**1,862**	**2,349**
Washington	719	21.1	548	303	388	86	406	9.8	503	241	145
Oregon	542	25.9	351	205	341	55	91	3.4	294	164	–39
California	3,697	18.5	3,354	1,725	1,573	495	3,995	16.9	3,232	1,403	2,167
Alaska	99	32.8	78	15	28	9	123	30.7	85	14	53
Hawaii	195	25.3	163	43	55	20	118	12.2	134	39	23

[1] 1970 to 1980 based on 1970 population; 1980 to 1987 based on 1980 population. [2] Comprises net immigration from abroad, net interregional, interdivisional, or interstate migration, and movement of persons in the Armed Forces. [3] For meaning of "error of closure"; see text, section 1.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 957 and 1024.

NO. 27. RESIDENT POPULATION, BY AGE AND STATE: 1987

[In thousands, except percent. As of July 1. Includes Armed Forces stationed in area. See text, section 1 for basis of estimates. For explanation of methodology, contact source. For composition of regions, see fig. I, inside front cover. See *Historical Statistics, Colonial Times to 1970*, series A 204-209 for decennial census data]

REGION, DIVISION, AND STATE	Total	Under 5 years	5-17 years	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over	16 years and over	PERCENT	
												Under 18 years	65 years and over
U.S.	**243,400**	**18,252**	**45,290**	**27,107**	**43,315**	**34,305**	**23,276**	**22,019**	**17,667**	**12,168**	**187,463**	**26.1**	**12.3**
Region:													
Northeast	50,278	3,410	8,664	5,592	8,531	7,124	5,053	5,117	4,003	2,783	39,759	24.0	13.5
Midwest	59,538	4,361	11,319	6,613	10,519	8,136	5,864	5,410	4,342	3,174	45,764	26.3	12.6
South	83,884	6,356	16,019	9,491	14,773	11,653	7,998	7,430	6,073	4,090	64,185	26.7	12.1
West	49,700	4,124	9,289	5,411	9,491	7,392	4,562	4,061	3,248	2,121	37,756	27.0	10.8
N. Eng	**12,844**	**886**	**2,165**	**1,475**	**2,287**	**1,860**	**1,236**	**1,236**	**997**	**723**	**10,209**	**23.8**	**13.4**
ME	1,187	83	220	135	201	169	111	109	90	68	922	25.5	13.4
NH	1,057	76	190	122	195	162	100	91	71	51	825	25.1	11.5
VT	548	40	101	65	102	82	49	44	37	28	425	25.6	11.9
MA	5,855	389	947	684	1,078	836	554	565	460	340	4,695	22.8	13.7
RI	986	65	164	113	175	135	90	99	84	61	787	23.2	14.7
CT	3,211	214	543	355	536	476	331	327	254	175	2,555	23.6	13.4
Mid. Atl	**37,433**	**2,543**	**6,499**	**4,117**	**6,245**	**5,263**	**3,817**	**3,881**	**3,007**	**2,061**	**29,551**	**24.2**	**13.5**
NY	17,825	1,248	3,113	1,983	2,988	2,534	1,843	1,808	1,343	966	14,015	24.5	13.0
NJ	7,672	513	1,318	843	1,256	1,125	812	810	601	393	6,083	23.9	13.0
PA	11,936	783	2,068	1,291	2,001	1,604	1,161	1,263	1,062	702	9,452	23.9	14.8
E. No. Cent	**41,904**	**3,047**	**8,025**	**4,690**	**7,399**	**5,762**	**4,023**	**3,846**	**3,024**	**2,089**	**32,198**	**26.4**	**12.2**
OH	10,784	773	2,063	1,182	1,862	1,468	1,056	1,033	807	540	8,300	26.3	12.5
IN	5,531	390	1,080	628	976	756	532	499	392	278	4,244	26.6	12.1
IL	11,582	861	2,174	1,278	2,070	1,605	1,126	1,063	826	579	8,909	26.2	12.1
MI	9,200	665	1,795	1,060	1,642	1,283	868	829	641	417	7,055	26.7	11.5
WI	4,807	356	913	542	850	650	441	422	358	276	3,690	26.4	13.2
W. No. Cent	**17,634**	**1,314**	**3,294**	**1,924**	**3,121**	**2,374**	**1,641**	**1,564**	**1,318**	**1,085**	**13,565**	**26.1**	**13.6**
MN	4,246	323	788	470	780	601	394	355	294	240	3,266	26.2	12.6
IA	2,834	196	536	307	494	370	259	252	229	192	2,190	25.8	14.8
MO	5,103	369	940	552	876	686	500	477	392	310	3,952	25.6	13.8
ND	672	55	132	75	125	86	56	54	49	41	505	27.8	13.3
SD	709	58	138	78	121	89	62	63	54	46	535	27.6	14.0
NE	1,594	122	302	174	281	211	144	141	117	103	1,219	26.6	13.8
KS	2,476	192	458	267	444	331	226	222	183	153	1,898	26.3	13.6
So. Atl	**41,684**	**2,947**	**7,434**	**4,705**	**7,228**	**5,888**	**4,109**	**3,966**	**3,278**	**2,129**	**32,593**	**24.9**	**13.0**
DE	644	47	115	76	118	87	64	63	46	28	502	25.1	11.6
MD	4,535	333	792	532	812	694	469	417	300	186	3,552	24.8	10.7
DC	622	46	90	67	131	93	60	58	46	31	501	21.8	12.3
VA	5,904	421	1,038	714	1,089	903	599	517	384	239	4,627	24.7	10.6
WV	1,897	117	373	208	316	262	179	177	156	108	1,470	25.8	13.9
NC	6,413	438	1,189	754	1,145	906	638	588	465	289	4,996	25.4	11.8
SC	3,425	256	685	416	619	475	320	287	234	133	2,599	27.5	10.7
GA	6,222	477	1,259	737	1,107	908	605	506	380	243	4,698	27.9	10.0
FL	12,023	812	1,892	1,202	1,891	1,559	1,175	1,353	1,268	871	9,649	22.5	17.8
E. So. Cent	**15,290**	**1,092**	**3,063**	**1,755**	**2,829**	**2,070**	**1,467**	**1,331**	**1,106**	**776**	**11,848**	**27.2**	**12.3**
KY	3,727	258	738	433	651	512	355	323	267	190	2,855	26.7	12.3
TN	4,855	328	923	543	848	689	487	436	355	246	3,763	25.8	12.4
AL	4,083	295	822	466	701	546	390	359	300	204	3,104	27.4	12.4
MS	2,625	211	580	313	430	323	235	214	184	134	1,927	30.2	12.1
W. So. Cent	**26,910**	**2,318**	**5,522**	**3,031**	**4,916**	**3,695**	**2,422**	**2,132**	**1,689**	**1,185**	**19,943**	**29.1**	**10.7**
AR	2,388	173	475	264	374	312	228	215	201	147	1,819	27.1	14.6
LA	4,461	385	930	526	817	586	388	347	292	169	3,290	29.5	10.8
OK	3,272	258	635	359	575	448	305	275	235	182	2,481	27.3	12.8
TX	16,789	1,502	3,482	1,882	3,151	2,349	1,501	1,295	960	667	12,353	29.7	9.7
Mt	**13,167**	**1,142**	**2,658**	**1,453**	**2,473**	**1,882**	**1,154**	**1,018**	**853**	**536**	**9,775**	**28.9**	**10.6**
MT	809	64	160	85	143	116	74	66	60	41	610	27.8	12.5
ID	998	84	222	106	170	146	86	70	69	46	726	30.6	11.5
WY	490	43	105	53	106	74	38	27	26	18	357	30.2	8.9
CO	3,296	268	605	366	676	531	300	245	182	123	2,521	26.5	9.2
NM	1,500	134	312	171	262	211	137	122	92	56	1,103	29.8	10.0
AZ	3,386	287	632	373	602	458	300	303	268	162	2,569	27.1	12.7
UT	1,680	184	445	194	308	197	118	97	83	55	1,107	37.4	8.2
NV	1,007	77	176	106	206	148	102	86	73	33	782	25.1	10.6
Pac	**36,533**	**2,983**	**6,631**	**3,958**	**7,018**	**5,510**	**3,408**	**3,046**	**2,395**	**1,585**	**27,980**	**26.3**	**10.9**
WA	4,538	342	827	484	873	718	410	349	321	215	3,507	25.8	11.8
OR	2,724	190	496	275	513	426	240	211	220	152	2,119	25.2	13.7
CA	27,663	2,302	5,000	3,006	5,331	4,113	2,613	2,355	1,771	1,172	21,156	26.4	10.6
AK	525	60	112	63	103	90	48	31	13	6	370	32.6	3.6
HI	1,083	89	197	129	197	164	97	101	69	40	828	26.4	10.1

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1024.

No. 28. Projections of the Population 18 Years Old and Over, by Race and Hispanic Origin—States: 1988

[As of November. For explanation of methodology, see text, section 1. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	NUMBER (1,000)					PERCENT		
	Total, 18 years old and over	Race			His-panic [2]	Black	Other races [1]	His-panic [2]
		White	Black	Other races [1]				
U.S.	**182,628**	**156,578**	**20,441**	**5,609**	**13,021**	**11.2**	**3.1**	**7.1**
Regions:								
Northeast	38,402	33,735	3,893	774	2,173	10.1	2.0	5.7
Midwest	43,952	39,346	3,933	674	1,005	8.9	1.5	2.3
South	63,032	51,355	10,674	1,003	3,917	16.9	1.6	6.2
West	37,242	32,143	1,942	3,158	5,925	5.2	8.5	15.9
N.E.	**9,920**	**9,384**	**398**	**138**	**238**	**4.0**	**1.4**	**2.4**
ME	893	883	3	8	4	.3	.9	.4
NH	823	810	5	8	5	.6	1.0	.6
VT	412	408	1	3	3	.3	.7	.7
MA	4,535	4,269	190	77	112	4.2	1.7	2.5
RI	764	727	24	13	16	3.2	1.7	2.2
CT	2,492	2,287	176	30	98	7.1	1.2	3.9
M.A.	**28,482**	**24,351**	**3,494**	**637**	**1,935**	**12.3**	**2.2**	**6.8**
NY	13,480	11,124	1,955	400	1,388	14.5	3.0	10.3
NJ	5,943	5,039	756	148	436	12.7	2.5	7.3
PA	9,060	8,189	783	89	111	8.6	1.0	1.2
E.N.C.	**30,914**	**27,114**	**3,353**	**447**	**852**	**10.8**	**1.4**	**2.8**
OH	7,970	7,105	799	66	75	10.0	.8	.9
IN	4,068	3,729	305	33	56	7.5	.8	1.4
IL	8,550	7,136	1,213	201	566	14.2	2.3	6.6
MI	6,791	5,793	896	102	105	13.2	1.5	1.6
WI	3,536	3,351	139	46	46	3.9	1.3	1.3
W.N.C.	**13,037**	**12,232**	**579**	**228**	**153**	**4.4**	**1.7**	**1.2**
MN	3,161	3,053	41	67	25	1.3	2.1	.8
IA	2,068	2,019	33	17	18	1.6	.8	.9
MO	3,821	3,413	370	38	35	9.7	1.0	.9
ND	483	462	3	18	2	.5	3.8	.5
SD	509	472	2	35	2	.4	6.9	.5
NE	1,167	1,117	35	15	20	3.0	1.3	1.7
KS	1,829	1,697	96	36	51	5.2	2.0	2.8
S.A.	**32,137**	**25,823**	**6,036**	**478**	**1,154**	**18.8**	**1.5**	**3.6**
DE	490	402	80	7	8	16.4	1.5	1.5
MD	3,491	2,564	833	94	59	23.9	2.7	1.7
DC	489	165	317	7	15	64.8	1.5	3.1
VA	4,544	3,640	808	96	74	17.8	2.1	1.6
WV	1,398	1,350	41	7	6	2.9	.5	.4
NC	4,913	3,832	993	88	31	20.2	1.8	.6
SC	2,534	1,821	693	20	15	27.3	.8	.6
GA	4,665	3,481	1,138	46	40	24.4	1.0	.9
FL	9,614	8,369	1,133	113	907	11.8	1.2	9.4
E.S.C.	**11,284**	**9,199**	**2,010**	**74**	**46**	**17.8**	**.7**	**.4**
KY	2,746	2,543	188	15	10	6.9	.6	.4
TN	3,661	3,099	538	24	15	14.7	.7	.4
AL	3,010	2,291	697	22	14	23.2	.7	.5
MS	1,867	1,266	587	13	8	31.4	.7	.4
W.S.C.	**19,610**	**16,532**	**2,628**	**450**	**2,717**	**13.4**	**2.3**	**13.9**
AR	1,761	1,502	240	19	10	13.6	1.1	.6
LA	3,175	2,259	873	43	72	27.5	1.3	2.3
OK	2,404	2,087	145	172	51	6.0	7.1	2.1
TX	12,270	10,684	1,369	217	2,584	11.2	1.8	21.1
Mt.	**9,691**	**9,009**	**231**	**450**	**1,193**	**2.4**	**4.6**	**12.3**
MT	586	553	1	31	7	.2	5.3	1.2
ID	701	683	3	14	28	.5	2.1	4.0
WY	351	340	2	9	17	.7	2.4	4.9
CO	2,489	2,340	90	59	264	3.6	2.4	10.6
NM	1,101	986	18	97	396	1.6	8.8	36.0
AZ	2,605	2,379	62	165	379	2.4	6.3	14.5
UT	1,078	1,032	8	38	45	.7	3.5	4.2
NV	780	696	46	38	57	5.9	4.8	7.3
Pac.	**27,552**	**23,133**	**1,711**	**2,708**	**4,732**	**6.2**	**9.8**	**17.2**
WA	3,417	3,150	78	189	104	2.3	5.5	3.0
OR	2,051	1,950	29	72	54	1.4	3.5	2.6
CA	20,875	17,440	1,576	1,858	4,514	7.5	8.9	21.6
AK	385	305	13	67	9	3.3	17.4	2.2
HI	824	288	15	522	52	1.8	63.3	6.3

[1] Virtually all persons of other races are Asian and Pacific Islanders, American Indians, Eskimos, and Aleuts.

[2] Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1019.

No. 29. State Population Projections: 1988 to 2010

[As of **July 1**. For explanation of methodology, see text, section 1. For composition of regions, see fig. I, inside front cover. Minus sign (-) indicates decrease]

REGION, DIVISION, AND STATE	TOTAL (1,000)						RANK				PERCENT CHANGE		
	1988	1989	1990	1995	2000	2010	1990	1995	2000	2010	1980-1990	1990-2000	2000-2010
U.S	**245,529**	**247,732**	**249,891**	**259,619**	**267,747**	**282,055**	(x)	(x)	(x)	(x)	**10.3**	**7.1**	**5.3**
Region:													
Northeast	50,278	50,425	50,577	51,293	51,810	52,496	(x)	(x)	(x)	(x)	2.9	2.4	1.3
Midwest	59,574	59,685	59,777	59,867	59,596	59,018	(x)	(x)	(x)	(x)	1.5	-.3	-1.0
South	85,133	86,209	87,276	92,366	96,919	104,919	(x)	(x)	(x)	(x)	15.8	11.0	8.3
West	50,544	51,413	52,261	56,093	59,422	65,622	(x)	(x)	(x)	(x)	21.1	13.7	10.4
N.E	**12,906**	**12,992**	**13,078**	**13,466**	**13,775**	**14,243**	(x)	(x)	(x)	(x)	**5.9**	**5.3**	**3.4**
ME	1,193	1,203	1,212	1,247	1,271	1,308	38	39	41	41	7.8	4.9	2.9
NH	1,088	1,116	1,142	1,251	1,333	1,455	39	38	39	40	24.1	16.7	9.1
VT	552	557	562	579	591	608	49	49	49	49	9.9	5.1	2.9
MA	5,849	5,863	5,880	5,985	6,067	6,255	13	13	13	13	2.5	3.5	2.8
RI	989	996	1,002	1,029	1,049	1,085	43	43	42	42	5.8	4.6	3.4
CT	3,235	3,257	3,279	3,376	3,445	3,532	28	27	27	27	5.5	5.1	2.5
M.A	**37,372**	**37,433**	**37,499**	**37,827**	**38,035**	**38,253**	(x)	(x)	(x)	(x)	**1.9**	**1.4**	**.6**
NY	17,755	17,761	17,773	17,886	17,986	18,139	2	3	3	3	1.2	1.2	.8
NJ	7,756	7,827	7,899	8,252	8,546	8,980	9	9	9	10	7.3	8.2	5.1
PA	11,860	11,844	11,827	11,689	11,503	11,134	5	5	6	6	-.3	-2.7	-3.2
E.N.C	**41,923**	**41,997**	**42,055**	**42,041**	**41,746**	**41,111**	(x)	(x)	(x)	(x)	**.9**	**-.7**	**-1.5**
OH	10,779	10,787	10,791	10,742	10,629	10,397	7	7	7	7	-.1	-1.5	-2.2
IN	5,531	5,542	5,550	5,545	5,502	5,409	14	14	14	17	1.1	-.9	-1.7
IL	11,584	11,599	11,612	11,625	11,580	11,495	6	6	5	5	1.6	-.3	-.7
MI	9,231	9,266	9,293	9,318	9,250	9,097	8	8	8	8	.3	-.5	-1.7
WI	4,797	4,803	4,808	4,811	4,784	4,713	17	19	19	20	2.2	-.5	-1.5
W.N.C	**17,652**	**17,688**	**17,722**	**17,825**	**17,850**	**17,907**	(x)	(x)	(x)	(x)	**3.1**	**.7**	**.3**
MN	4,271	4,298	4,324	4,426	4,490	4,578	21	21	22	22	6.1	3.8	2.0
IA	2,803	2,780	2,758	2,652	2,549	2,382	30	31	31	33	-5.3	-7.6	-6.6
MO	5,132	5,163	5,192	5,304	5,383	5,521	15	15	15	15	5.6	3.7	2.6
ND	669	664	660	643	629	611	47	47	48	48	1.1	-4.7	-3.0
SD	707	708	708	711	714	722	45	45	46	47	2.5	.8	1.2
NE	1,593	1,590	1,588	1,574	1,556	1,529	37	37	37	38	1.2	-2.0	-1.7
KS	2,477	2,485	2,492	2,515	2,529	2,584	32	32	33	32	5.4	1.5	1.4
S.A	**42,337**	**43,044**	**43,742**	**47,058**	**50,002**	**55,110**	(x)	(x)	(x)	(x)	**18.4**	**14.3**	**10.2**
DE	649	658	666	702	734	790	46	46	45	45	12.0	10.2	7.7
MD	4,599	4,665	4,729	5,025	5,274	5,688	18	17	16	14	12.1	11.5	7.8
DC	617	615	614	620	634	672	(x)	(x)	(x)	(x)	-3.8	3.2	6.0
VA	5,977	6,068	6,157	6,551	6,877	7,410	12	12	12	12	15.2	11.7	7.8
WV	1,886	1,871	1,856	1,786	1,722	1,617	34	36	36	36	-4.8	-7.3	-6.1
NC	6,512	6,602	6,690	7,106	7,483	8,154	10	11	11	11	13.7	11.8	9.0
SC	3,464	3,507	3,549	3,740	3,906	4,205	25	25	24	24	13.7	10.1	7.6
GA	6,384	6,524	6,663	7,338	7,957	9,045	11	10	10	9	22.0	19.4	13.7
FL	12,249	12,535	12,818	14,189	15,415	17,530	4	4	4	4	31.5	20.3	13.7
E.S.C	**15,408**	**15,505**	**15,597**	**15,979**	**16,285**	**16,847**	(x)	(x)	(x)	(x)	**6.3**	**4.4**	**3.5**
KY	3,738	3,742	3,745	3,745	3,733	3,710	24	24	26	26	2.3	-.3	-.6
TN	4,891	4,933	4,972	5,135	5,266	5,500	16	16	17	16	8.3	5.9	4.5
AL	4,119	4,150	4,181	4,307	4,410	4,609	22	22	23	21	7.4	5.5	4.5
MS	2,661	2,680	2,699	2,792	2,877	3,028	31	30	30	29	7.1	6.6	5.3
W.S.C	**27,388**	**27,660**	**27,937**	**29,329**	**30,632**	**32,961**	(x)	(x)	(x)	(x)	**17.6**	**9.6**	**7.6**
AR	2,400	2,414	2,427	2,482	2,529	2,624	33	33	32	31	6.1	4.2	3.7
LA	4,507	4,510	4,513	4,517	4,516	4,545	20	20	21	23	7.3	.1	.6
OK	3,288	3,285	3,285	3,318	3,376	3,511	27	28	28	28	8.6	2.8	4.0
TX	17,192	17,451	17,712	19,012	20,211	22,281	3	2	2	2	24.5	14.1	10.2
Mt	**13,517**	**13,759**	**13,995**	**15,082**	**16,022**	**17,679**	(x)	(x)	(x)	(x)	**23.1**	**14.5**	**10.3**
MT	811	808	805	798	794	794	44	44	44	44	2.4	-1.4	.1
ID	1,009	1,013	1,017	1,034	1,047	1,079	42	42	43	43	7.7	3.0	3.0
WY	505	503	502	495	489	487	50	50	50	50	6.9	-2.6	-.4
CO	3,350	3,393	3,434	3,637	3,813	4,098	26	26	25	25	18.8	11.0	7.5
NM	1,557	1,595	1,632	1,809	1,968	2,248	36	35	35	34	25.3	20.5	14.3
AZ	3,542	3,649	3,752	4,218	4,618	5,319	23	23	20	18	38.0	23.1	15.2
UT	1,722	1,750	1,776	1,893	1,991	2,171	35	34	34	35	21.6	12.1	9.0
NV	1,021	1,049	1,076	1,198	1,303	1,484	41	41	40	39	34.4	21.1	13.8
Pac	**37,027**	**37,654**	**38,265**	**41,011**	**43,400**	**47,943**	(x)	(x)	(x)	(x)	**20.3**	**13.4**	**10.5**
WA	4,564	4,612	4,657	4,841	4,991	5,282	19	18	18	19	12.7	7.2	5.8
OR	2,733	2,750	2,766	2,828	2,877	2,991	29	29	29	30	5.0	4.0	4.0
CA	28,074	28,607	29,126	31,463	33,500	37,347	1	1	1	1	23.1	15.0	11.5
AK	554	565	576	636	687	765	48	48	47	46	43.4	19.2	11.4
HI	1,101	1,121	1,141	1,243	1,345	1,559	40	40	38	37	18.2	17.9	15.9

X Not applicable.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1017.

No. 30. Population Projections, by Age—States: 1990 and 2000

[In thousands. As of **July 1.** For explanation of methodology, see text, section 1. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	1990						2000					
	Under 5 years	5–17 years	18–24 years	25–44 years	45–64 years	65 years and over	Under 5 years	5–17 years	18–24 years	25–44 years	45–64 years	65 years and over
U.S	**18,408**	**45,629**	**25,897**	**81,555**	**46,842**	**31,559**	**16,898**	**48,815**	**24,987**	**80,793**	**61,373**	**34,882**
Region:												
Northeast	3,387	8,513	5,123	16,300	10,166	7,088	3,003	9,004	4,421	15,854	12,179	7,348
Midwest	4,494	11,114	6,112	19,203	11,120	7,735	3,820	11,167	5,535	17,626	13,535	7,913
South	6,401	16,222	9,248	28,131	16,328	10,946	6,089	17,579	9,226	28,950	22,265	12,809
West	4,126	9,781	5,415	17,921	9,228	5,790	3,985	11,064	5,806	18,363	13,393	6,811
N.E	**876**	**2,151**	**1,369**	**4,363**	**2,516**	**1,801**	**789**	**2,384**	**1,184**	**4,340**	**3,195**	**1,883**
ME	87	218	124	393	226	164	76	234	109	385	295	172
NH	85	199	122	399	207	130	82	247	114	431	309	149
VT	43	101	60	193	98	67	38	112	54	186	131	70
MA	384	931	627	1,982	1,122	834	344	1,024	534	1,946	1,383	855
RI	65	163	108	325	190	151	59	177	97	325	239	152
CT	212	539	328	1,071	672	456	190	591	277	1,066	837	485
M.A	**2,511**	**6,362**	**3,753**	**11,937**	**7,650**	**5,287**	**2,214**	**6,620**	**3,237**	**11,514**	**8,984**	**5,465**
NY	1,198	3,048	1,821	5,690	3,626	2,391	1,078	3,111	1,594	5,533	4,199	2,472
NJ	541	1,320	773	2,547	1,648	1,069	504	1,533	677	2,626	2,032	1,175
PA	772	1,993	1,159	3,700	2,376	1,827	632	1,977	966	3,356	2,753	1,819
E.N.C	**3,150**	**7,824**	**4,362**	**13,568**	**7,867**	**5,284**	**2,681**	**7,835**	**3,852**	**12,501**	**9,477**	**5,400**
OH	790	1,993	1,107	3,435	2,065	1,401	671	1,960	962	3,152	2,444	1,440
IN	414	1,042	581	1,783	1,037	692	353	1,029	514	1,635	1,254	717
IL	889	2,142	1,190	3,766	2,180	1,445	768	2,179	1,081	3,498	2,596	1,459
MI	694	1,746	1,000	3,044	1,708	1,101	588	1,759	855	2,832	2,090	1,126
WI	363	899	484	1,541	876	645	300	908	440	1,385	1,094	657
W.N.C	**1,344**	**3,290**	**1,749**	**5,635**	**3,253**	**2,451**	**1,139**	**3,333**	**1,683**	**5,124**	**4,059**	**2,514**
MN	336	795	430	1,439	774	550	289	849	412	1,339	1,021	578
IA	202	513	265	855	507	415	157	465	237	703	591	397
MO	382	948	510	1,629	995	727	336	995	492	1,552	1,245	764
ND	50	132	68	210	112	89	39	118	68	178	140	86
SD	58	142	68	214	125	101	50	143	72	194	153	102
NE	124	299	156	499	286	223	103	295	148	441	342	227
KS	193	461	251	788	453	345	166	467	252	718	567	359
S.A	**2,991**	**7,591**	**4,595**	**14,101**	**8,506**	**5,957**	**2,918**	**8,637**	**4,547**	**15,002**	**11,714**	**7,183**
DE	49	116	71	219	128	82	47	132	67	228	162	97
MD	334	815	498	1,631	922	528	316	951	459	1,709	1,232	607
DC	31	90	69	226	118	80	28	83	66	229	144	83
VA	426	1,059	693	2,129	1,174	676	403	1,204	662	2,215	1,603	790
WV	124	345	185	581	355	267	101	300	154	491	422	255
NC	447	1,188	761	2,180	1,293	821	431	1,292	742	2,283	1,746	989
SC	263	683	407	1,157	642	396	248	720	403	1,183	888	465
GA	507	1,297	749	2,230	1,202	678	531	1,525	785	2,523	1,764	828
FL	810	1,997	1,162	3,748	2,672	2,429	813	2,431	1,210	4,141	3,752	3,068
E.S.C	**1,130**	**3,006**	**1,663**	**4,919**	**2,916**	**1,964**	**1,014**	**2,997**	**1,585**	**4,765**	**3,776**	**2,148**
KY	270	709	403	1,194	698	470	234	672	368	1,068	877	494
TN	332	905	525	1,611	965	635	301	903	498	1,582	1,273	709
AL	307	812	441	1,312	780	528	276	835	421	1,290	1,003	584
MS	220	580	295	802	473	330	204	587	297	806	622	361
W.S.C	**2,281**	**5,625**	**2,969**	**9,111**	**4,906**	**3,025**	**2,157**	**5,945**	**3,095**	**9,183**	**6,776**	**3,478**
AR	174	469	238	722	464	361	154	467	230	693	600	385
LA	377	947	485	1,449	776	480	320	909	468	1,312	989	518
OK	241	632	330	1,039	616	426	212	626	336	960	792	450
TX	1,488	3,577	1,936	5,902	3,050	1,758	1,471	3,944	2,060	6,218	4,394	2,125
Mt	**1,183**	**2,818**	**1,443**	**4,687**	**2,382**	**1,503**	**1,150**	**3,162**	**1,602**	**4,744**	**3,550**	**1,816**
MT	60	160	75	262	146	101	50	148	75	228	191	102
ID	86	223	99	322	170	116	77	214	103	292	240	121
WY	44	107	50	182	76	42	37	100	52	150	110	41
CO	256	630	361	1,268	595	326	238	686	377	1,237	887	388
NM	146	341	168	533	280	165	151	418	188	588	419	203
AZ	306	709	385	1,187	670	496	313	878	434	1,313	1,024	655
UT	210	463	196	526	236	144	211	504	251	515	345	165
NV	73	184	108	388	209	113	72	214	121	422	334	140
Pac	**2,943**	**6,963**	**3,972**	**13,254**	**6,846**	**4,267**	**2,836**	**7,903**	**4,204**	**13,619**	**9,843**	**4,995**
WA	332	841	470	1,631	831	552	291	872	475	1,521	1,238	595
OR	196	496	259	956	487	371	170	507	257	852	718	372
CA	2,289	5,292	3,036	10,061	5,234	3,213	2,242	6,160	3,242	10,569	7,465	3,822
AK	54	122	70	222	87	22	59	142	76	249	132	29
HI	72	212	137	384	207	128	74	222	154	429	289	177

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1017.

No. 31. White and Black Population Projections, by State: 1988 to 2000

[As of July 1. For explanation of methodology, see text, section 1. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	WHITE						BLACK					
	Number (1,000)				Percent of total population		Number (1,000)				Percent of total population	
	1988	1989	1990	2000	1990	2000	1988	1989	1990	2000	1990	2000
U.S.	**207,326**	**208,808**	**210,247**	**221,144**	**84.1**	**82.6**	**30,165**	**30,597**	**31,028**	**35,006**	**12.4**	**13.1**
Region:												
Northeast	43,634	43,672	43,714	43,880	86.4	84.7	5,565	5,635	5,705	6,363	11.3	12.3
Midwest	52,686	52,709	52,705	51,687	88.2	86.7	5,862	5,929	5,995	6,542	10.0	11.0
South	67,761	68,556	69,343	76,252	79.5	78.7	15,925	16,153	16,379	18,546	18.8	19.1
West	43,234	43,871	44,486	49,326	85.1	83.0	2,812	2,880	2,947	3,555	5.6	6.0
N.E.	**12,131**	**12,197**	**12,263**	**12,769**	**93.8**	**92.7**	**584**	**594**	**605**	**702**	**4.6**	**5.1**
ME	1,179	1,188	1,197	1,252	98.7	98.5	4	4	4	4	.3	.4
NH	1,070	1,096	1,122	1,300	98.2	97.5	7	7	7	10	.6	.8
VT	546	550	555	580	98.7	98.2	2	2	2	3	.4	.5
MA	5,470	5,475	5,482	5,595	93.2	91.9	275	280	284	327	4.8	5.4
RI	933	939	943	974	94.1	92.9	37	37	38	45	3.8	4.3
CT	2,933	2,948	2,964	3,069	90.4	89.1	259	264	269	313	8.2	9.1
M.A.	**31,504**	**31,475**	**31,451**	**31,110**	**83.9**	**81.8**	**4,982**	**5,040**	**5,100**	**5,661**	**13.6**	**14.9**
NY	14,418	14,375	14,338	14,062	80.7	78.2	2,791	2,824	2,858	3,180	16.1	17.7
NJ	6,455	6,492	6,531	6,855	82.7	80.2	1,089	1,111	1,134	1,349	14.4	15.8
PA	10,631	10,608	10,582	10,193	89.5	88.6	1,101	1,105	1,108	1,131	9.4	9.8
E.N.C.	**36,272**	**36,267**	**36,247**	**35,281**	**86.2**	**84.5**	**4,997**	**5,056**	**5,113**	**5,584**	**12.2**	**13.4**
OH	9,516	9,510	9,501	9,226	88.0	86.8	1,166	1,177	1,188	1,274	11.0	12.0
IN	5,024	5,027	5,028	4,922	90.6	89.5	458	463	469	513	8.4	9.3
IL	9,469	9,456	9,443	9,173	81.3	79.2	1,832	1,851	1,869	2,029	16.1	17.5
MI	7,760	7,770	7,774	7,543	83.7	81.5	1,319	1,337	1,355	1,497	14.6	16.2
WI	4,503	4,502	4,501	4,417	93.6	92.3	222	227	231	273	4.8	5.7
W.N.C.	**16,424**	**16,442**	**16,457**	**16,405**	**92.9**	**91.9**	**865**	**874**	**882**	**958**	**5.0**	**5.4**
MN	4,096	4,117	4,138	4,250	95.7	94.7	64	66	67	77	1.6	1.7
IA	2,727	2,704	2,681	2,462	97.2	96.6	50	51	52	58	1.9	2.3
MO	4,527	4,551	4,573	4,705	88.1	87.4	549	554	559	600	10.8	11.2
ND	636	631	627	592	95.0	94.0	3	3	3	4	.5	.6
SD	644	643	642	635	90.7	89.0	2	2	2	2	.3	.3
NE	1,516	1,513	1,510	1,470	95.1	94.5	53	54	54	58	3.4	3.7
KS	2,278	2,283	2,286	2,292	91.7	90.6	142	144	145	158	5.8	6.2
S.A.	**32,814**	**33,332**	**33,842**	**38,277**	**77.4**	**76.6**	**8,850**	**9,007**	**9,164**	**10,673**	**21.0**	**21.3**
DE	519	524	528	561	79.4	76.5	120	123	126	155	18.9	21.1
MD	3,291	3,322	3,352	3,597	70.9	68.2	1,176	1,205	1,233	1,469	26.1	27.9
DC	183	184	184	193	30.0	30.5	426	423	421	430	68.6	67.8
VA	4,707	4,775	4,840	5,346	78.6	77.7	1,136	1,154	1,171	1,332	19.0	19.4
WV	1,820	1,806	1,792	1,664	96.5	96.6	57	55	54	45	2.9	2.6
NC	4,937	5,005	5,071	5,653	75.8	75.5	1,445	1,463	1,480	1,641	22.1	21.9
SC	2,392	2,421	2,451	2,694	69.1	69.0	1,043	1,055	1,067	1,170	30.1	30.0
GA	4,604	4,704	4,803	5,698	72.1	71.6	1,716	1,752	1,789	2,151	26.9	27.0
FL	10,360	10,591	10,820	12,870	84.4	83.5	1,732	1,778	1,823	2,279	14.2	14.8
E.S.C.	**12,235**	**12,301**	**12,364**	**12,782**	**76.3**	**78.5**	**3,070**	**3,096**	**3,122**	**3,354**	**20.0**	**20.6**
KY	3,441	3,443	3,444	3,414	92.0	91.5	276	278	280	294	7.5	7.9
TN	4,066	4,097	4,127	4,331	83.0	82.2	792	801	810	887	16.3	16.8
AL	3,032	3,054	3,076	3,225	73.6	73.1	1,055	1,063	1,071	1,136	25.6	25.8
MS	1,695	1,706	1,717	1,812	63.6	63.0	946	954	962	1,037	35.6	36.1
W.S.C.	**22,713**	**22,924**	**23,137**	**25,192**	**82.6**	**82.2**	**4,006**	**4,049**	**4,093**	**4,520**	**14.6**	**14.8**
AR	1,989	2,000	2,011	2,093	82.9	82.8	384	385	387	398	15.9	15.7
LA	3,080	3,073	3,065	2,978	67.9	65.9	1,362	1,371	1,380	1,452	30.6	32.1
OK	2,803	2,795	2,789	2,810	84.9	83.2	222	222	223	231	6.8	6.8
TX	14,841	15,056	15,272	17,311	86.2	85.7	2,037	2,071	2,104	2,439	11.9	12.1
Mt.	**12,462**	**12,672**	**12,876**	**14,572**	**92.0**	**90.9**	**340**	**348**	**356**	**432**	**2.5**	**2.7**
MT	758	755	752	734	93.4	92.5	2	2	2	2	.2	.2
ID	982	986	989	1,013	97.3	96.7	4	4	4	6	.4	.5
WY	487	485	483	467	96.3	95.4	4	4	4	4	.8	.8
CO	3,138	3,174	3,211	3,535	93.5	92.7	128	130	133	156	3.9	4.1
NM	1,371	1,404	1,436	1,711	88.0	87.0	27	28	29	34	1.7	1.7
AZ	3,184	3,278	3,369	4,108	89.8	89.0	94	96	99	123	2.7	2.7
UT	1,643	1,667	1,692	1,879	95.2	94.4	12	12	12	13	.7	.7
NV	899	922	944	1,125	87.8	86.3	69	72	74	94	6.9	7.2
Pac.	**30,772**	**31,188**	**31,609**	**34,754**	**82.6**	**80.1**	**2,473**	**2,532**	**2,591**	**3,123**	**6.8**	**7.2**
WA	4,178	4,216	4,251	4,488	91.3	89.9	113	113	114	116	2.4	2.3
OR	2,584	2,596	2,607	2,674	94.3	92.9	43	44	44	50	1.6	1.7
CA	23,206	23,570	23,920	26,641	82.1	79.5	2,278	2,335	2,392	2,909	8.2	8.7
AK	431	439	447	513	77.5	75.6	19	19	20	23	3.4	3.4
HI	372	379	385	432	33.7	32.1	20	21	21	24	1.8	1.8

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1017.

No. 32. Metropolitan and Nonmetropolitan Area Population: 1950 to 1987

[Metropolitan areas as defined by Office of Management and Budget as of year shown, except as noted. See headnote, table 33]

ITEM	1950	1960	1970	1980[1] (SMSA's)	MSA'S AND CMSA'S[2] 1980	1986	1987
Metropolitan areas: Number of areas	169	212	243	318	282	282	282
Population (1,000)	84,854	112,885	139,480	169,431	172,455	185,261	187,072
Percent change over previous year shown	[3] 22.0	33.0	23.6	21.5	(X)	7.4	1.0
Percent of total U.S. population	56.1	63.0	68.6	74.8	76.1	76.7	76.9
Land area, percent of U.S. land area	5.9	8.7	10.9	16.0	16.3	16.3	16.3
Nonmetropolitan areas, population (1,000)	66,472	66,438	63,822	57,115	54,087	56,131	56,324

X Not applicable. [1] SMSA = standard metropolitan statistical area. Areas are as defined June 30, 1981. [2] Areas are as defined June 30, 1988. [3] Percent change from 1940.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1950, 1960, and 1970; 1980 Census of Population,* vol. I, chapter A (PC80-1-A) and *Supplementary Report, Metropolitan Statistical Areas* (PC80-S1-18); and press release (CB88-157).

No. 33. Number and Population of Metropolitan Areas, by Population Size-Class in 1980: 1970 to 1987

[As of **April 1; except 1987, as of July 1.** Data exclude Puerto Rico. CMSA = consolidated metropolitan statistical area. MSA-metropolitan statistical area. PMSA-primary metropolitan statistical area. Areas are as defined by U.S. Office of Management and Budget, June 30, 1988. For definitions, see Appendix II. See also *Historical Statistics, Colonial Times to 1970,* series A 264-275]

LEVEL AND POPULATION SIZE-CLASS OF METROPOLITAN AREA IN 1980	CMSA'S AND MSA'S Number, 1988	Population, 1970 (mil.)	Population, 1980 (mil.)	Population, 1987 Total (mil.)	Population, 1987 Percent in each class	MSA'S AND PMSA'S Number, 1988	Population, 1970 (mil.)	Population, 1980 (mil.)	Population, 1987 Total (mil.)	Population, 1987 Percent in each class
Total, all metropolitan areas	**282**	**155.9**	**172.5**	**187.1**	**100.0**	**333**	**155.9**	**172.5**	**187.1**	**100.0**
Level A (1,000,000 or more)	35	100.1	107.8	116.8	62.5	41	86.4	92.6	100.4	53.7
2,500,000 or more	12	67.6	71.5	77.0	41.1	9	42.0	42.4	44.8	24.0
1,000,000-2,499,999	23	32.4	36.3	39.9	21.3	32	44.4	50.2	55.6	29.7
Level B (250,000-999,999)	90	37.5	43.1	46.9	25.1	115	48.3	55.0	59.9	32.0
500,000-999,999	33	20.4	23.3	25.5	13.6	43	26.9	30.3	33.0	17.7
250,000-499,999	57	17.1	19.8	21.5	11.5	72	21.5	24.7	26.8	14.3
Level C (100,000-249,999)	124	15.9	18.7	20.2	10.8	142	18.7	21.9	23.6	12.6
Level D (less than 100,000)	33	2.4	2.8	3.1	1.6	35	2.6	3.0	3.2	1.7

Source: U.S. Bureau of the Census, *1980 Census of Population, Supplementary Report, Metropolitan Statistical Areas* (PC80-S1-18); and press release (CB88-157).

No. 34. Resident Population in Counties Within 50 Miles of Coastal Shorelines: 1960 to 1987

[Enumerated population as of **April 1,** except **1987,** estimated as of **July 1.** Excludes Alaska and Hawaii. Covers 611 counties and independent cities which are entirely or substantially within 50 miles of U.S. coastal shorelines. Great Lakes region includes St. Lawrence River]

YEAR	Conterminous U.S., total	COUNTIES IN COASTAL REGIONS Total	Atlantic	Pacific	Great Lakes	Gulf of Mexico	Balance of conterminous U.S.
Land area, 1980 (1,000 sq. mi.)	2,962	467	122	118	134	94	2,495
POPULATION							
1960 (mil.)	178.5	92.7	41.7	16.8	26.4	7.8	85.7
1970 (mil.)	202.2	108.5	48.2	21.5	29.3	9.5	93.8
1980 (mil.)	225.2	118.4	50.7	25.4	29.8	12.6	106.7
1987 (mil.)	241.8	127.9	54.3	29.3	29.8	14.6	113.8
1960 (percent)	100.0	51.9	23.4	9.4	14.8	4.4	48.0
1970 (percent)	100.0	53.7	23.8	10.6	14.5	4.7	46.4
1980 (percent)	100.0	52.6	22.5	11.3	13.2	5.6	47.4
1987 (percent)	100.0	52.9	22.5	12.1	12.3	6.0	47.1

Source: U.S. Bureau of the Census, unpublished data.

No. 35. Metropolitan and Nonmetropolitan Area Population—States: 1970 to 1987

[1970 and 1980, as of April 1; 1987 as of July 1. Excludes Armed Forces abroad. Refers to 262 metropolitan statistical areas and 20 consolidated metropolitan statistical areas as defined by U.S. Office of Management and Budget, June 30, 1988; see Appendix II. For explanation of average annual percent change, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover. Minus sign (–) indicates decrease]

REGION, DIVISION, AND STATE	METROPOLITAN AREA POPULATION							NONMETROPOLITAN AREA POPULATION						
	Total (1,000)			Average annual percent change		Percent of State		Total (1,000)			Average annual percent change		Percent of State	
	1970	1980	1987	1970-1980	1980-1987	1970	1987	1970	1980	1987	1970-1980	1980-1987	1970	1987
U.S	**155,937**	**172,455**	**187,072**	**1.0**	**1.1**	**76.7**	**76.9**	**47,365**	**54,087**	**56,324**	**1.3**	**.6**	**23.3**	**23.1**
Region:														
Northeast	43,742	43,292	44,258	–.1	.3	89.2	88.0	5,318	5,844	6,021	.9	.4	10.8	12.0
Midwest	40,487	41,581	42,329	.3	.2	71.5	71.1	16,103	17,286	17,211	.7	–.1	28.5	28.9
South	42,387	51,606	58,765	2.0	1.8	67.5	70.1	20,426	23,761	25,114	1.5	.8	32.5	29.9
West	29,320	35,976	41,721	2.0	2.0	84.2	83.9	5,518	7,195	7,978	2.7	1.5	15.8	16.1
N. Eng	**9,822**	**10,020**	**10,347**	**.2**	**.4**	**82.9**	**80.6**	**2,026**	**2,329**	**2,498**	**1.4**	**1.0**	**17.1**	**19.4**
ME	365	405	429	1.0	.8	36.8	36.1	628	720	758	1.4	.7	63.2	63.9
NH	404	511	595	2.3	2.1	54.8	56.3	333	410	462	2.1	1.7	45.2	43.7
VT	99	115	127	1.5	1.3	22.3	23.1	346	396	421	1.4	.9	77.7	76.9
MA	5,266	5,231	5,310	–.1	.2	92.6	90.7	423	506	546	1.8	1.0	7.4	9.3
RI	868	878	913	.1	.5	91.4	92.6	82	69	73	–1.7	.8	8.6	7.4
CT	2,819	2,879	2,974	.2	.4	93.0	92.6	213	228	238	.7	.6	7.0	7.4
Mid. Atl	**33,921**	**33,273**	**33,911**	**–.2**	**.3**	**91.2**	**90.6**	**3,293**	**3,515**	**3,524**	**.7**	**–**	**8.8**	**9.4**
NY	16,647	15,869	16,130	–.5	.2	91.3	90.5	1,594	1,689	1,696	.6	.1	8.7	9.5
NJ	7,171	7,365	7,672	.3	.6	100.0	100.0	–	–	–	–	–	–	–
PA	10,102	10,038	10,109	–.1	.1	85.6	84.7	1,698	1,826	1,828	.7	–	14.4	15.3
E. No. Cent	**31,621**	**32,204**	**32,410**	**.2**	**.1**	**78.5**	**77.3**	**8,642**	**9,479**	**9,495**	**.9**	**–**	**21.5**	**22.7**
OH	8,565	8,521	8,508	–.1	–	80.4	78.9	2,092	2,277	2,276	.8	–	19.6	21.1
IN	3,551	3,719	3,763	.5	.2	68.4	68.0	1,644	1,771	1,768	.7	–	31.6	32.0
IL	9,125	9,340	9,561	.2	.3	82.1	82.5	1,986	2,088	2,022	.5	–.4	17.9	17.5
MI	7,361	7,480	7,380	.2	–.2	82.9	80.2	1,521	1,782	1,820	1.6	.3	17.1	19.8
WI	3,019	3,145	3,197	.4	.2	68.3	66.5	1,399	1,561	1,610	1.1	.4	31.7	33.5
W. No. Cent	**8,867**	**9,376**	**9,919**	**.6**	**.8**	**54.3**	**56.2**	**7,461**	**7,808**	**7,716**	**.5**	**–.2**	**45.7**	**43.8**
MN	2,434	2,621	2,811	.7	1.0	63.9	66.2	1,373	1,455	1,435	.6	–.2	36.1	33.8
IA	1,154	1,223	1,223	.6	–	40.8	43.1	1,671	1,691	1,612	.1	–.7	59.2	56.9
MO	3,170	3,226	3,367	.2	.6	67.8	66.0	1,508	1,690	1,736	1.1	.4	32.2	34.0
ND	196	234	255	1.8	1.2	31.7	38.0	422	418	417	–.1	–	68.3	62.0
SD	155	180	203	1.5	1.7	23.2	28.7	512	511	506	–	–.1	76.8	71.3
NE	650	708	753	.9	.8	43.8	47.2	835	862	842	.3	–.3	56.2	52.8
KS	1,109	1,184	1,307	.7	1.4	49.3	52.8	1,140	1,180	1,169	.3	–.1	50.7	47.2
So. Atl	**22,051**	**26,777**	**30,727**	**1.9**	**1.9**	**71.9**	**73.7**	**8,628**	**10,181**	**10,956**	**1.7**	**1.0**	**28.1**	**26.3**
DE	386	398	425	.3	.9	70.4	66.0	162	196	219	1.9	1.5	29.6	34.0
MD	3,668	3,920	4,212	.7	1.0	93.5	92.9	255	297	322	1.5	1.1	6.5	7.1
DC	757	638	622	–1.7	–.4	100.0	100.0	–	–	–	–	–	–	–
VA	3,279	3,745	4,236	1.3	1.7	70.5	71.7	1,373	1,601	1,668	1.5	.6	29.5	28.3
WV	683	718	689	.5	–.6	39.1	36.3	1,061	1,232	1,209	1.5	–.3	60.9	63.7
NC	2,755	3,203	3,544	1.5	1.4	54.2	55.3	2,330	2,677	2,868	1.4	1.0	45.8	44.7
SC	1,504	1,866	2,068	2.2	1.4	58.0	60.4	1,087	1,254	1,355	1.4	1.1	42.0	39.6
GA	2,807	3,403	4,018	1.9	2.3	61.2	64.6	1,781	2,060	2,204	1.5	.9	38.8	35.4
FL	6,213	8,884	10,914	3.6	2.8	91.5	90.8	578	863	1,110	4.0	3.5	8.5	9.2
E. So. Cent	**7,018**	**8,023**	**8,501**	**1.3**	**.8**	**54.8**	**55.6**	**5,790**	**6,643**	**6,789**	**1.4**	**.3**	**45.2**	**44.4**
KY	1,550	1,676	1,708	.8	.3	48.1	45.8	1,671	1,984	2,019	1.7	.2	51.9	54.2
TN	2,630	3,048	3,252	1.5	.9	67.0	67.0	1,296	1,543	1,603	1.7	.5	33.0	33.0
AL	2,274	2,583	2,746	1.3	.8	66.0	67.2	1,171	1,311	1,338	1.2	.3	34.0	32.8
MS	564	716	795	2.4	1.4	25.5	30.3	1,653	1,805	1,829	.9	.2	74.5	69.7
W. So. Cent	**13,318**	**16,806**	**19,536**	**2.3**	**2.1**	**68.9**	**72.6**	**6,008**	**6,938**	**7,370**	**1.4**	**.8**	**31.1**	**27.4**
AR	730	885	944	1.9	.9	38.0	39.5	1,193	1,401	1,444	1.6	.4	62.0	60.5
LA	2,439	2,893	3,079	1.7	.9	66.9	69.0	1,205	1,313	1,382	.9	.7	33.1	31.0
OK	1,432	1,724	1,923	1.9	1.5	56.0	58.8	1,127	1,301	1,350	1.4	.5	44.0	41.2
TX	8,716	11,304	13,591	2.6	2.5	77.8	81.0	2,483	2,921	3,194	1.6	1.2	22.2	19.0
Mt	**5,155**	**7,264**	**8,661**	**3.4**	**2.4**	**62.2**	**65.8**	**3,135**	**4,107**	**4,505**	**2.7**	**1.3**	**37.8**	**34.2**
MT	169	189	196	1.1	.5	24.4	24.2	525	598	613	1.3	.3	75.6	75.8
ID	112	173	196	4.3	1.7	15.7	19.6	601	771	803	2.5	.6	84.3	80.4
WY	108	141	142	2.7	.2	32.4	29.0	225	329	348	3.8	.8	67.6	71.0
CO	1,772	2,326	2,693	2.7	2.0	80.2	81.7	438	563	603	2.5	.9	19.8	18.3
NM	456	610	726	2.9	2.4	44.8	48.4	562	694	774	2.1	1.5	55.2	51.6
AZ	1,323	2,041	2,579	4.3	3.2	74.5	76.2	453	676	805	4.0	2.4	25.5	23.8
UT	822	1,128	1,296	3.2	1.9	77.6	77.2	238	333	384	3.4	2.0	22.4	22.8
NV	334	657	832	5.1	3.3	80.7	82.6	94	144	175	4.2	2.7	19.3	17.4
Pac	**24,165**	**28,712**	**33,060**	**1.7**	**1.9**	**91.0**	**90.5**	**2,383**	**3,088**	**3,473**	**2.6**	**1.6**	**9.0**	**9.5**
WA	2,752	3,322	3,685	1.9	1.4	80.6	81.2	661	810	854	2.0	.7	19.4	18.8
OR	1,415	1,763	1,841	2.2	.6	67.7	67.6	676	870	883	2.5	.2	32.3	32.4
CA	19,241	22,689	26,481	1.6	2.1	96.3	95.7	730	979	1,182	2.9	2.6	3.7	4.3
AK	126	174	223	3.2	3.4	41.8	42.4	176	227	303	2.6	3.9	58.2	57.6
HI	631	763	831	1.9	1.2	81.9	76.7	139	202	252	3.7	3.0	18.1	23.3

- Represents or rounds to zero.

Source: U.S. Bureau of the Census, press release (CB 88-157), and unpublished data.

No. 36. Metropolitan Statistical Areas—Population, 1970 to 1987

[1970 and 1980, as of April 1; 1985 and 1987 as of July 1. Covers 20 consolidated metropolitan statistical areas (CMSAs), their 71 component primary metropolitan statistical areas (PMSAs), and the remaining 111 MSA's with 250,000 and over population in 1987 as defined by the U.S. Office of Management and Budget as of June 30, 1988. Figures for 1970 include corrections. Rank based on unrounded figures for CMSAs and MSAs only. For definitions and components of all MSAs, see Appendix II. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (–) indicates decrease]

METROPOLITAN STATISTICAL AREA	1970 (1,000)	1980 (1,000)	1985 (1,000)	1987 (1,000)	RANK		AVERAGE ANNUAL PERCENT CHANGE	
					1980	1987	1970–1980	1980–1987
Albany-Schenectady-Troy, NY MSA	811	836	839	846	48	48	.3	.2
Albuquerque, NM MSA	316	420	464	488	80	75	2.8	2.0
Allentown-Bethlehem, PA–NJ MSA	594	635	651	666	54	55	.7	.6
Appleton-Oshkosh-Neenah, WI MSA	277	291	305	309	107	113	.5	.8
Atlanta, GA MSA	1,684	2,138	2,469	2,657	16	13	2.4	3.0
Atlantic City, NJ MSA	235	276	294	303	113	114	1.6	1.3
Augusta, GA–SC MSA	291	346	380	392	95	90	1.7	1.7
Austin, TX MSA	360	537	701	738	63	52	4.0	4.4
Bakersfield, CA MSA	330	403	480	505	84	72	2.0	3.1
Baltimore, MD MSA	2,089	2,200	2,252	2,303	15	17	.5	.6
Baton Rouge, LA MSA	376	494	543	538	69	66	2.7	1.2
Beaumont-Port Arthur, TX MSA	348	375	382	371	88	96	.8	–.1
Binghamton, NY MSA	268	263	262	260	123	126	–.2	–.2
Birmingham, AL MSA	794	884	905	917	42	45	1.1	.5
Boston-Lawrence-Salem, MA–NH CMSA	3,939	3,972	4,052	4,093	7	7	.1	.4
Boston, MA PMSA	2,887	2,806	2,832	2,842	(x)	(x)	–.3	.2
Brockton, MA PMSA	163	183	186	185	(x)	(x)	1.2	.2
Lawrence-Haverhill, MA–NH PMSA	301	339	362	375	(x)	(x)	1.2	1.4
Lowell, MA–NH PMSA	225	243	253	260	(x)	(x)	.8	.9
Nashua, NH PMSA	100	143	159	172	(x)	(x)	3.5	2.6
Salem-Gloucester, MA PMSA	263	258	259	258	(x)	(x)	–.2	(z)
Brownsville-Harlingen, TX MSA	140	210	252	264	138	124	4.1	3.2
Buffalo-Niagara Falls, NY CMSA	1,349	1,243	1,185	1,175	29	33	–.8	–.8
Buffalo, NY PMSA	1,113	1,015	968	958	(x)	(x)	–.9	–.8
Niagara Falls, NY PMSA	236	227	217	216	(x)	(x)	–.4	–.7
Canton, OH MSA	394	404	401	397	83	88	.3	–.3
Charleston, SC MSA	336	430	477	502	77	74	2.5	2.1
Charleston, WV MSA	257	270	267	261	118	125	.5	–.4
Charlotte-Gastonia-Rock Hill, NC–SC MSA	840	971	1,053	1,091	36	35	1.4	1.6
Chattanooga, TN–GA MSA	371	427	425	432	78	82	1.4	.2
Chicago-Gary-Lake County (IL), IL–IN–WI CMSA	7,779	7,937	8,061	8,147	3	3	.2	.4
Aurora-Elgin, IL PMSA	277	316	338	352	(x)	(x)	1.3	1.5
Chicago, IL PMSA	6,093	6,060	6,170	6,199	(x)	(x)	–.1	.3
Gary-Hammond, IN PMSA	633	643	620	604	(x)	(x)	.1	–.9
Joliet, IL PMSA	274	355	365	377	(x)	(x)	2.6	.8
Kenosha, WI PMSA	118	123	121	120	(x)	(x)	.4	–.4
Lake County, IL PMSA	383	440	469	494	(x)	(x)	1.4	1.6
Cincinnati-Hamilton, OH–KY–IN CMSA	1,613	1,660	1,681	1,715	20	23	.3	.4
Cincinnati, OH–KY–IN PMSA	1,387	1,401	1,413	1,438	(x)	(x)	.1	.4
Hamilton-Middletown, OH PMSA	226	259	268	276	(x)	(x)	1.3	.9
Cleveland-Akron-Lorain, OH CMSA	3,000	2,834	2,773	2,767	11	12	–.6	–.3
Akron, OH PMSA	679	660	645	647	(x)	(x)	–.3	–.3
Cleveland, OH PMSA	2,064	1,899	1,857	1,851	(x)	(x)	–.8	–.3
Lorain-Elyria, OH PMSA	257	275	270	268	(x)	(x)	.7	–.3
Colorado Springs, CO MSA	236	309	367	390	105	91	2.7	3.2
Columbia, SC MSA	323	410	436	451	82	78	2.4	1.3
Columbus, OH MSA	1,149	1,244	1,287	1,320	28	30	.8	.8
Corpus Christi, TX MSA	285	326	359	360	99	100	1.4	1.4
Dallas-Fort Worth, TX CMSA	2,352	2,931	3,517	3,725	10	8	2.2	3.3
Dallas, TX PMSA	1,556	1,957	2,329	2,456	(x)	(x)	2.3	3.1
Fort Worth-Arlington, TX PMSA	795	973	1,188	1,269	(x)	(x)	2.0	3.7
Davenport-Rock Island-Moline, IA–IL MSA	363	384	377	367	86	97	.6	–.7
Daytnn-Springfield, OH MSA	975	942	931	939	39	43	–.3	(–z)
Daytona Beach, FL MSA	169	259	311	332	124	108	4.2	3.4
Denver-Boulder, CO CMSA	1,238	1,618	1,828	1,861	21	22	2.7	1.9
Boulder-Longmont, CO PMSA	132	190	213	217	(x)	(x)	3.6	1.8
Denver, CO PMSA	1,106	1,429	1,615	1,645	(x)	(x)	2.6	1.9
Des Moines, IA MSA	340	368	380	385	89	93	.8	.6
Detroit-Ann Arbor, MI CMSA	4,788	4,753	4,592	4,629	6	6	–.1	–.4
Ann Arbor, MI PMSA	234	265	262	268	(x)	(x)	1.2	.2
Detroit, MI PMSA	4,554	4,488	4,330	4,362	(x)	(x)	–.1	–.4
El Paso, TX MSA	359	480	546	573	70	67	2.9	2.4
Erie, PA MSA	264	280	279	279	111	121	.6	–.1
Eugene-Springfield, OR MSA	215	275	264	265	115	123	2.5	–.5
Evansville, IN–KY MSA	255	276	282	281	114	120	.8	.2
Fayetteville, NC MSA	212	247	256	259	127	128	1.5	.6
Flint, MI MSA	446	450	434	435	73	81	.1	–.5
Fort Myers-Cape Coral, FL MSA	105	205	267	295	140	116	6.7	5.0
Fort Wayne, IN MSA	335	354	352	364	93	98	.6	.4
Fresno, CA MSA	413	515	576	597	67	64	2.2	2.1

See footnotes at end of table.

No. 36. Metropolitan Statistical Areas—Population, 1970 to 1987—Continued

[See headnote, p. 29]

METROPOLITAN STATISTICAL AREA	1970 (1,000)	1980 (1,000)	1985 (1,000)	1987 (1,000)	RANK		AVERAGE ANNUAL PERCENT CHANGE	
					1980	1987	1970-1980	1980-1987
Grand Rapids, MI MSA	539	602	634	657	56	57	1.1	1.2
Greensboro-Winston-Salem-High Point, NC MSA	743	852	894	916	44	48	1.4	1.0
Greenville-Spartanburg, SC MSA	473	569	600	612	59	61	1.8	1.0
Harrisburg-Lebanon-Carlisle, PA MSA	510	555	574	584	62	66	.8	.7
Hartford-New Britain-Middletown, CT CMSA	1,000	1,014	1,037	1,057	35	36	.1	.6
Bristol, CT PMSA	70	74	76	78	(X)	(X)	.5	.8
Hartford, CT PMSA	711	716	734	748	(X)	(X)	.1	.6
Middletown, CT PMSA	74	82	84	85	(X)	(X)	1.0	.6
New Britain, CT PMSA	145	142	144	147	(X)	(X)	-.2	.4
Honolulu, HI MSA	631	763	811	831	47	49	1.9	1.2
Houston-Galveston-Brazoria, TX CMSA	2,169	3,101	3,618	3,626	9	10	3.6	2.2
Brazoria, TX PMSA	108	170	187	187	(X)	(X)	4.5	1.3
Galveston-Texas City, TX PMSA	170	196	213	211	(X)	(X)	1.4	1.1
Houston, TX PMSA	1,891	2,736	3,218	3,228	(X)	(X)	3.7	2.3
Huntington-Ashland, WV-KY-OH MSA	307	336	331	323	97	111	.9	-.5
Indianapolis, IN MSA	1,111	1,167	1,203	1,229	30	32	.5	.7
Jackson, MS MSA	289	362	388	396	92	89	2.3	1.2
Jacksonville, FL MSA	613	722	825	878	50	47	1.6	2.7
Johnson City-Kingsport-Bristol, TN-VA MSA	374	434	442	443	76	80	1.5	.3
Johnstown, PA MSA	263	265	258	252	121	131	.1	-.7
Kansas City, MO-KS MSA	1,373	1,433	1,499	1,546	25	25	.4	1.0
Knoxville, TN MSA	477	566	589	594	60	65	1.7	.7
Lakeland-Winter Haven, FL MSA	229	322	368	387	101	92	3.4	2.6
Lancaster, PA MSA	320	362	387	404	91	86	1.2	1.5
Lansing-East Lansing, MI MSA	378	420	417	428	81	83	1.0	.3
Las Vegas, NV MSA	273	463	551	600	72	63	5.3	3.6
Lexington-Fayette, KY MSA	267	318	334	342	103	105	1.7	1.0
Little Rock-North Little Rock, AR MSA	381	474	499	512	71	71	2.2	1.0
Los Angeles-Anaheim-Riverside, CA CMSA	9,981	11,498	12,759	13,471	2	2	1.4	2.2
Anaheim-Santa Ana, CA PMSA	1,421	1,933	2,127	2,219	(X)	(X)	3.1	1.9
Los Angeles-Long Beach, CA PMSA	7,042	7,478	8,131	8,505	(X)	(X)	.6	1.8
Oxnard-Ventura, CA PMSA	378	529	601	628	(X)	(X)	3.4	2.4
Riverside-San Bernardino, CA PMSA	1,139	1,558	1,901	2,119	(X)	(X)	3.1	4.2
Louisville, KY-IN MSA	907	957	964	967	38	41	.5	.1
Macon-Warner Robins, GA MSA	235	264	280	283	122	118	1.2	1.0
Madison, WI MSA	290	324	341	347	100	102	1.1	1.0
McAllen-Edinburg-Mission, TX MSA	182	283	355	379	110	94	4.4	4.0
Melbourne-Titusville-Palm Bay, FL MSA	230	273	348	375	116	95	1.7	4.4
Memphis, TN-AR-MS MSA	834	913	950	972	40	40	.9	.9
Miami-Fort Lauderdale, FL CMSA	1,888	2,644	2,865	2,954	12	11	3.4	1.5
Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	620	1,018	1,120	1,163	(X)	(X)	5.0	1.8
Miami-Hialeah, FL PMSA	1,268	1,626	1,745	1,791	(X)	(X)	2.5	1.3
Milwaukee-Racine, WI CMSA	1,575	1,570	1,551	1,562	23	24	(-z)	-.1
Milwaukee, WI PMSA	1,404	1,397	1,380	1,389	(X)	(X)	-.1	-.1
Racine, WI PMSA	171	173	172	173	(X)	(X)	.1	(z)
Minneapolis-St. Paul, MN-WI MSA	1,982	2,137	2,262	2,336	17	16	.8	1.2
Mobile, AL MSA	377	444	465	483	74	76	1.6	1.2
Modesto, CA MSA	195	266	304	327	120	109	3.1	2.9
Montgomery, AL MSA	226	273	295	297	117	115	1.9	1.2
Nashville, TN MSA	699	851	911	956	45	42	2.0	1.6
New Haven-Meriden, CT MSA	489	500	509	519	68	69	.2	.5
New London-Norwich, CT-RI MSA	243	251	258	259	125	127	.3	.4
New Orleans, LA MSA	1,100	1,256	1,330	1,321	27	29	1.3	.7
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	18,193	17,539	17,918	18,054	1	1	-.4	.4
Bergen-Passaic, NJ PMSA	1,358	1,293	1,300	1,294	(X)	(X)	-.5	(z)
Bridgeport-Milford, CT PMSA	444	439	443	444	(X)	(X)	-.1	.2
Danbury, CT PMSA	136	170	183	189	(X)	(X)	2.2	1.4
Jersey City, NJ PMSA	608	557	557	547	(X)	(X)	-.9	-.2
Middlesex-Somerset-Hunterdon, NJ PMSA	852	886	931	966	(X)	(X)	.4	1.2
Monmouth-Ocean, NJ PMSA	670	849	913	957	(X)	(X)	2.4	1.6
Nassau-Suffolk, NY PMSA	2,556	2,606	2,630	2,631	(X)	(X)	.2	.1
New York, NY PMSA	9,077	8,275	8,472	8,529	(X)	(X)	-.9	.4
Newark, NJ PMSA	1,937	1,879	1,889	1,891	(X)	(X)	-.3	.1
Norwalk, CT PMSA	128	127	128	126	(X)	(X)	-.1	-.1
Orange County, NY PMSA	222	260	276	288	(X)	(X)	1.6	1.4
Stamford, CT PMSA	206	199	197	193	(X)	(X)	-.4	-.4
Norfolk-Virginia Beach-Newport News, VA MSA	1,059	1,160	1,280	1,346	31	27	.9	2.0
Oklahoma City, OK MSA	719	861	979	975	43	39	1.8	1.7

See footnotes at end of table.

NO. 36. METROPOLITAN STATISTICAL AREAS—POPULATION, 1970 TO 1987—Continued

[See headnote, p. 29]

METROPOLITAN STATISTICAL AREA	1970 (1,000)	1980 (1,000)	1985 (1,000)	1987 (1,000)	RANK		AVERAGE ANNUAL PERCENT CHANGE	
					1980	1987	1970-1980	1980-1987
Omaha, NE-IA MSA	556	585	611	616	57	60	.5	.7
Orlando, FL MSA	453	700	863	935	51	44	4.3	4.0
Pensacola, FL MSA	243	290	328	344	109	103	1.8	2.4
Peoria, IL MSA	342	366	347	339	90	107	.7	-1.1
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	5,749	5,681	5,787	5,891	4	5	-.1	.5
Philadelphia, PA-NJ PMSA	4,824	4,717	4,791	4,866	(x)	(x)	-.2	.4
Trenton, NJ PMSA	304	308	317	327	(x)	(x)	.1	.8
Vineland-Millville-Bridgeton, NJ PMSA	121	133	135	138	(x)	(x)	.9	.5
Wilmington, DE-NJ-MD PMSA	499	523	543	559	(x)	(x)	.5	.9
Phoenix, AZ MSA	971	1,509	1,817	1,960	24	21	4.4	3.6
Pittsburgh-Beaver Valley, PA CMSA	2,556	2,423	2,334	2,296	13	18	-.5	-.7
Beaver County, PA PMSA	208	204	195	191	(x)	(x)	-.2	-.9
Pittsburgh, PA PMSA	2,348	2,219	2,139	2,105	(x)	(x)	-.6	-.7
Portland-Vancouver, OR-WA CMSA	1,047	1,298	1,350	1,383	26	26	2.1	.9
Portland, OR PMSA	919	1,106	1,143	1,168	(x)	(x)	1.9	.8
Vancouver, WA PMSA	128	192	207	216	(x)	(x)	4.0	1.6
Poughkeepsie, NY MSA	222	245	254	258	129	129	1.0	.7
Providence-Pawtucket-Fall River, RI-MA CMSA	1,065	1,083	1,100	1,118	33	34	.2	.4
Fall River, MA-RI PMSA	152	157	157	153	(x)	(x)	.3	-.4
Pawtucket-Woonsocket-Attleboro, RI-MA PMSA	301	307	314	322	(x)	(x)	.2	.6
Providence, RI PMSA	612	619	629	643	(x)	(x)	.1	.5
Raleigh-Durham, NC MSA	446	561	631	665	61	56	2.3	2.4
Reading, PA MSA	296	313	319	324	104	110	.5	.5
Richmond-Petersburg, VA MSA	676	761	801	825	48	50	1.2	1.1
Rochester, NY MSA	962	971	976	979	37	38	.1	.1
Rockford, IL MSA	272	280	280	281	112	119	.3	.1
Sacramento, CA MSA	848	1,100	1,256	1,336	32	28	2.6	2.7
Saginaw-Bay City-Midland, MI MSA	401	422	405	404	79	85	.5	-.6
St. Louis, MO-IL MSA	2,429	2,377	2,422	2,458	14	14	-.2	.5
Salem, OR MSA	187	250	259	266	126	122	2.9	.9
Salinas-Seaside-Monterey, CA MSA	247	290	329	343	108	104	1.6	2.3
Salt Lake City-Ogden, UT MSA	684	910	1,025	1,055	41	37	2.9	2.0
San Antonio, TX MSA	888	1,072	1,244	1,307	34	31	1.9	2.7
San Diego, CA MSA	1,358	1,862	2,133	2,286	19	19	3.2	2.8
San Francisco-Oakland-San Jose, CA CMSA	4,754	5,368	5,803	5,953	5	4	1.2	1.4
Oakland, CA PMSA	1,628	1,762	1,910	1,968	(x)	(x)	.8	1.5
San Francisco, CA PMSA	1,482	1,489	1,570	1,590	(x)	(x)	(z)	.9
San Jose, CA PMSA	1,065	1,295	1,397	1,415	(x)	(x)	2.0	1.2
Santa Cruz, CA PMSA	124	188	213	222	(x)	(x)	4.2	2.3
Santa Rosa-Petaluma, CA PMSA	205	300	334	354	(x)	(x)	3.8	2.3
Vallejo-Fairfield-Napa, CA PMSA	251	334	378	404	(x)	(x)	2.9	2.6
Santa Barbara-Santa Maria-Lompoc, CA MSA	264	299	331	341	106	106	1.2	1.8
Sarasota, FL MSA	120	202	244	256	143	130	5.3	3.2
Scranton-Wilkes-Barre, PA MSA	696	729	724	731	49	54	.5	(z)
Seattle-Tacoma, WA CMSA	1,837	2,093	2,251	2,341	18	15	1.3	1.5
Seattle, WA PMSA	1,425	1,607	1,725	1,798	(x)	(x)	1.2	1.5
Tacoma, WA PMSA	412	486	526	545	(x)	(x)	1.6	1.6
Shreveport, LA MSA	296	333	363	364	98	99	1.2	1.2
Spokane, WA MSA	287	342	357	355	96	101	1.7	.5
Springfield, MA MSA	528	515	517	517	66	70	-.2	(z)
Stockton, CA MSA	291	347	415	443	94	79	1.8	3.4
Syracuse, NY MSA	637	643	649	647	53	58	.1	.1
Tampa-St. Petersburg-Clearwater, FL MSA	1,106	1,614	1,871	1,965	22	20	3.8	2.7
Toledo, OH MSA	606	617	611	611	55	62	.2	-.1
Tucson, AZ MSA	352	531	585	619	64	59	4.1	2.1
Tulsa, OK MSA	526	657	728	733	52	53	2.2	1.5
Utica-Rome, NY MSA	340	320	317	314	102	112	-.6	-.3
Visalia-Tulare-Porterville, CA MSA	188	246	280	292	128	117	2.7	2.4
Washington, DC-MD-VA MSA	3,040	3,251	3,494	3,646	8	9	.7	1.6
West Palm Beach-Boca Raton-Delray Beach, FL MSA	349	577	724	790	58	51	5.0	4.3
Wichita, KS MSA	417	442	466	475	75	77	.6	1.0
Worcester, MA MSA	400	403	404	410	85	84	.1	.2
York, PA MSA	330	381	393	404	87	87	1.5	.8
Youngstown-Warren, OH MSA	537	531	514	503	65	73	-.1	-.8

X Not applicable. Z Less than .05 percent.

Source: U.S. Bureau of the Census, *1980 Census of Population, Supplementary Report, Metropolitan Statistical Areas,* (PC80-S1-18) and *General Population Characteristics* (PC80-1-B); *Current Population Reports,* series P-26, No. 85-AL-C to 85-WY-C and series P-23, forthcoming report: and press release (CB88-157).

No. 37. Metropolitan Statistical Areas—Net Migration, 1980 to 1987, and Percent of Metropolitan Population Inside Central Cities, 1986

[**Estimates**, as of July 1. Covers 20 consolidated metropolitan statistical areas (CMSAs), and their 71 component primary metropolitan statistical areas (PMSAs), and the remaining MSAs with 500,000 population; see headnote, table 33. For definitions and components of all MSAs, see Appendix II. Net migration is a residual value obtained by subtracting natural increase (births minus deaths) from population change for the period. Minus sign (−) indicates decrease. Z Less than 500 or .05 percent]

METROPOLITAN STATISTICAL AREA	Net migration, 1980–87 (1,000)	Percent inside central cities, 1986
Albany-Schenectady-Troy, NY MSA	−9	25.9
Allentown-Bethlehem, PA-NJ MSA	17	30.6
Atlanta, GA MSA	363	18.1
Austin, TX MSA	142	64.2
Bakersfield, CA MSA	57	30.4
Baltimore, MD MSA	8	34.5
Baton Rouge, LA MSA	−3	44.0
Birmingham, AL MSA	−2	34.0
Boston-Lawrence-Salem, MA-NH CMSA	−8	32.2
Boston, MA PMSA	−47	30.6
Brockton, MA PMSA	−6	50.5
Lawrence-Haverhill, MA-NH PMSA	22	30.4
Lowell, MA-NH PMSA	9	36.3
Nashua, NH PMSA	21	46.0
Salem-Gloucester, MA PMSA	−8	25.6
Buffalo-Niagara Falls, NY CMSA	−96	33.0
Buffalo, NY PMSA	−79	33.7
Niagara Falls, NY PMSA	−18	29.8
Charleston, SC MSA	30	14.2
Charlotte-Gastonia-Rock Hill, NC-SC MSA	71	45.0
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA	−256	46.9
Aurora-Elgin, IL PMSA	12	41.1
Chicago, IL PMSA	−202	50.7
Gary-Hammond, IN PMSA	−73	42.3
Joliet, IL PMSA	−3	20.5
Kenosha, WI PMSA	−9	62.5
Lake County, IL PMSA	20	24.5
Cincinnati-Hamilton, OH-KY-IN CMSA	−34	28.5
Cincinnati, OH-KY-IN PMSA	−37	26.1
Hamilton-Middletown, OH PMSA	3	40.9
Cleveland-Akron-Lorain, OH CMSA	−168	34.1
Akron, OH PMSA	−38	43.1
Cleveland, OH PMSA	−109	29.0
Lorain-Elyria, OH PMSA	−21	47.8
Columbus, OH MSA	4	49.4
Dallas-Fort Worth, TX CMSA	503	51.1
Dallas, TX PMSA	300	49.4
Fort Worth-Arlington, TX PMSA	203	54.2
Dayton-Springfield, OH MSA	−48	26.6
Denver-Boulder, CO CMSA	102	34.2
Boulder-Longmont, CO PMSA	12	59.3
Denver, CO PMSA	90	30.9
Detroit-Ann Arbor, MI CMSA	−324	30.0
Ann Arbor, MI PMSA	−14	40.5
Detroit, MI PMSA	−310	29.4
El Paso, TX MSA	32	87.6
Fresno, CA MSA	32	48.4
Grand Rapids, MI MSA	6	32.5
Greensboro-Winston-Salem-High Point, NC MSA	35	43.5
Greenville-Spartanburg, SC MSA	16	16.9
Harrisburg-Lebanon-Carlisle, PA MSA	11	17.0
Hartford-New Britain-Middletown, CT CMSA	8	29.5
Bristol, CT PMSA	2	76.7
Hartford, CT PMSA	6	18.7
Middletown, CT PMSA	1	46.0
New Britain, CT PMSA	(Z)	49.8
Honolulu, HI MSA	−6	45.6
Houston-Galveston-Brazoria, TX CMSA	178	52.1
Brazoria, TX PMSA	(Z)	(Z)
Galveston-Texas City, TX PMSA	(Z)	47.7
Houston, TX PMSA	177	55.4
Indianapolis, IN MSA	−5	59.4
Jacksonville, FL MSA	105	71.5
Kansas City, MO-KS MSA	30	45.6
Knoxville, TN MSA	11	33.5
Las Vegas, NV MSA	101	33.6
Little Rock-North Little Rock, AR MSA	7	54.2
Los Angeles-Anaheim-Riverside, CA CMSA	1,009	38.6
Anaheim-Santa Ana, CA PMSA	127	22.0
Los Angeles-Long Beach, CA PMSA	407	48.1
Oxnard-Ventura, CA PMSA	52	34.8
Riverside-San Bernardino, CA PMSA	423	18.3
Louisville, KY-IN MSA	−28	33.6
Memphis, TN-AR-MS MSA	−2	70.9
Miami-Fort Lauderdale, FL CMSA	237	33.2
Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	139	29.4
Miami-Hialeah, FL PMSA	98	35.6
Milwaukee-Racine, WI CMSA	−91	47.7
Milwaukee, WI PMSA	−81	47.7
Racine, WI PMSA	−10	47.9
Minneapolis-St. Paul, MN-WI MSA	44	30.8
Nashville, TN MSA	62	55.3
New Haven-Meriden, CT MSA	3	35.4
New Orleans, LA MSA	−26	44.2
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	−50	48.1
Bergen-Passaic, NJ PMSA	−26	10.7
Bridgeport-Milford, CT PMSA	−8	43.5
Danbury, CT PMSA	13	34.6
Jersey City, NJ PMSA	−27	47.2
Middlesex-Somerset-Hunterdon, NJ PMSA	45	8.2
Monmouth-Ocean, NJ PMSA	94	(Z)
Nassau-Suffolk, NY PMSA	−46	(Z)
New York, NY PMSA	−42	86.2
Newark, NJ PMSA	−49	22.4
Norwalk, CT PMSA	−5	60.9
Orange County, NY PMSA	15	(Z)
Stamford, CT PMSA	−12	51.8
Norfolk-Virginia Beach-Newport News, VA MSA	90	60.8
Oklahoma City, OK MSA	45	56.2
Omaha, NE-IA MSA	−11	66.1
Orlando, FL MSA	192	16.2
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	(Z)	34.6
Philadelphia, PA-NJ PMSA	−20	36.5
Trenton, NJ PMSA	9	28.4
Vineland-Millville-Bridgeton, NJ PMSA	−1	72.1
Wilmington, DE-NJ-MD PMSA	12	12.7
Phoenix, AZ MSA	321	73.9
Pittsburgh-Beaver Valley, PA CMSA	−153	17.9
Beaver County, PA PMSA	−17	(Z)
Pittsburgh, PA PMSA	−136	19.5
Portland-Vancouver, OR-WA CMSA	15	31.7
Portland, OR PMSA	5	33.6
Vancouver, WA PMSA	10	20.8
Providence-Pawtucket-Fall River, RI-MA CMSA	8	36.1
Fall River, MA-RI PMSA	−9	58.0
Pawtucket-Woonsocket-Attleboro, RI-MA PMSA	8	48.0
Providence, RI PMSA	9	24.7
Raleigh-Durham, NC MSA	75	50.5
Richmond-Petersburg, VA MSA	29	31.8
Rochester, NY MSA	−39	24.1
Sacramento, CA MSA	158	33.2
St. Louis, MO-IL MSA	−35	25.8
Salt Lake City-Ogden, UT MSA	16	21.7
San Antonio, TX MSA	131	71.7
San Diego, CA MSA	274	49.9
San Francisco-Oakland-San Jose, CA CMSA	269	41.4
Oakland, CA PMSA	100	26.6
San Francisco, CA PMSA	54	47.2
San Jose, CA PMSA	10	54.8
Santa Cruz, CA PMSA	21	21.0
Santa Rosa-Petaluma, CA PMSA	40	39.6
Vallejo-Fairfield-Napa, CA PMSA	44	55.8
Scranton-Wilkes-Barre, PA MSA	2	21.4
Seattle-Tacoma, WA CMSA	113	32.2
Seattle, WA PMSA	94	32.9
Tacoma, WA PMSA	18	29.8
Springfield, MA MSA	−13	49.8
Syracuse, NY MSA	−27	24.8
Tampa-St. Petersburg-Clearwater, FL MSA	354	32.1
Toledo, OH MSA	−34	59.8
Tucson, AZ MSA	51	60.4
Tulsa, OK MSA	29	51.0
Washington, DC-MD-VA MSA	174	23.0
West Palm Beach-Boca Raton-Delray Beach, FL MSA	206	22.7
Youngstown-Warren, OH MSA	−43	30.9

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, "Patterns of Metropolitan Area and County Population Growth: 1980 to 1987", forthcoming.

NO. 38. CITIES, BY POPULATION SIZE: 1960 TO 1986

[Covers incorporated places of 10,000 population or more]

POPULATION SIZE	NUMBER OF CITIES				POPULATION (mil.)				PERCENT OF TOTAL			
	1960	1970	1980	1986	1960	1970	1980	1986	1960	1970	1980	1986
Total	**1,654**	**1,967**	**2,233**	**2,333**	**91.0**	**105.7**	**113.6**	**120.5**	**100.0**	**100.0**	**100.0**	**100.0**
1,000,000 or more	5	6	6	8	17.5	18.8	17.5	20.0	19.2	17.8	15.4	16.6
500,000-1,000,000	16	20	16	15	11.1	13.0	10.9	10.0	12.2	12.3	9.6	8.3
250,000-500,000	30	30	34	37	10.8	10.5	12.3	13.3	11.8	9.9	10.8	11.0
100,000-250,000	79	97	116	122	11.4	13.9	16.8	17.9	12.5	13.1	14.8	14.9
50,000-100,000	180	232	254	286	12.5	16.2	17.5	19.6	13.7	15.3	15.4	16.3
25,000-50,000	366	455	529	563	12.7	15.7	18.4	19.4	14.0	14.9	16.2	16.1
10,000-25,000	978	1,127	1,278	1,302	15.1	17.6	20.1	20.4	16.5	16.7	17.7	16.9

Source: U.S. Bureau of the Census, *Census of Population: 1970* and *1980*, vol. I; and *Current Population Reports*, series P-26, No. 86-(5 regional reports: NE, ENC, WNC, S, and W)-SC.

NO. 39. CITIES WITH 100,000 INHABITANTS OR MORE IN 1986—POPULATION, 1970 TO 1986, AND LAND AREA, 1985

[Population: **1970** and **1980,** as of **April** 1; other years, as of **July 1.** Data refer to municipal limits as of January 1 for 1970 and 1980 and as of December 31 prior to estimate date for all other years. For comments on comparability of race data for 1970 and 1980, see text, section 1. Minus sign (−) indicates decrease]

CITY	1970		1980			1982, total population (1,000)	1984, total population (1,000)	1986, population				1985, land area [4] (square miles)
	Total population [1] (1,000)	Percent Black [2]	Total population [1] (1,000)	Percent—[2]				Total (1,000)	Rank	Percent change, 1980-1986	Per square mile	
				Black	Hispanic [3]							
Abilene, TX	90	5.8	98	6.7	12.6	106	110	112	151	14.4	1,219	92.2
Akron, OH	275	17.5	237	22.2	.6	232	227	222	68	−6.4	3,576	62.1
Albuquerque, NM	245	2.2	332	2.5	33.8	342	351	367	40	10.4	2,883	127.2
Alexandria, VA	111	14.1	103	22.3	3.9	104	107	108	162	4.5	7,187	15.0
Allentown, PA	110	1.8	104	3.1	5.1	104	104	104	170	.6	5,963	17.5
Amarillo, TX	127	5.3	149	5.5	9.2	155	163	166	96	11.1	1,915	86.6
Anaheim, CA	166	(z)	219	1.2	17.2	226	234	241	63	9.7	5,398	44.6
Anchorage, AK [5]	48	5.9	174	5.3	3.0	204	228	235	67	34.7	136	1,732.0
Ann Arbor, MI	100	6.7	108	9.3	2.1	109	108	108	163	−.2	4,295	25.1
Arlington, TX	90	.6	160	2.9	4.1	185	216	250	61	56.0	2,739	91.2
Atlanta, GA	495	51.3	425	66.6	1.4	428	426	422	32	−.7	3,216	131.2
Aurora, CO	75	1.2	159	6.9	5.0	184	208	218	71	37.5	3,293	66.2
Austin, TX	254	11.8	346	12.2	18.7	397	428	467	27	34.9	2,011	232.0
Bakersfield, CA	70	13.3	106	10.6	15.0	116	140	150	109	42.4	1,921	78.3
Baltimore, MD	905	46.4	787	54.8	1.0	774	764	753	11	−4.3	9,375	80.3
Baton Rouge, LA	166	27.8	220	36.5	1.8	232	239	241	62	9.4	3,308	72.9
Beaumont, TX	118	30.7	118	36.6	3.5	123	123	120	139	1.5	1,622	73.9
Berkeley, CA	114	23.5	103	20.1	5.1	103	104	104	171	.8	9,551	10.9
Birmingham, AL	301	42.0	284	55.6	.8	283	280	278	55	−2.4	2,781	99.8
Boise City, ID	75	.4	102	.5	2.3	105	107	108	160	6.0	2,562	42.3
Boston, MA	641	16.3	563	22.4	6.4	561	571	574	19	1.9	12,153	47.2
Bridgeport, CT	157	16.3	143	21.0	18.7	144	142	142	117	−.5	9,650	14.7
Brownsville, TX	53	.2	85	.2	83.7	91	95	102	174	20.1	3,533	28.9
Buffalo, NY	463	20.4	358	26.6	2.7	348	339	325	48	−9.2	7,771	41.8
Cedar Rapids, IA	111	1.6	110	2.3	.9	109	109	108	161	−1.7	1,963	55.2
Charlotte, NC	241	30.3	315	31.0	1.1	335	342	352	44	11.6	2,315	152.1
Chattanooga, TN	120	35.8	170	31.7	.8	168	164	162	98	−4.3	1,310	123.8
Chesapeake, VA	90	23.1	114	27.6	.9	120	126	134	127	17.4	395	340.0
Chicago, IL	3,369	32.7	3,005	39.8	14.0	2,997	2,992	3,010	3	.1	13,194	228.1
Chula Vista, CA	68	.4	84	2.0	23.4	109	113	119	141	41.6	4,485	26.5
Cincinnati, OH	454	27.6	385	33.8	.8	380	370	370	39	−4.1	4,740	78.0
Cleveland, OH	751	38.3	574	43.8	3.1	559	547	536	22	−6.6	6,783	79.0
Colorado Springs, CO	136	5.2	215	5.6	8.5	232	248	273	57	26.8	1,973	138.2
Columbus, GA [6]	155	26.2	169	34.2	2.1	174	175	180	88	6.3	828	217.5
Columbus, OH	540	18.5	565	22.1	.8	571	566	566	20	.2	3,030	186.8
Concord, CA	85	.3	104	1.7	7.2	104	104	106	166	2.1	3,617	29.3
Corpus Christi, TX	205	5.1	232	5.1	46.6	248	261	264	58	13.7	2,248	117.4
Dallas, TX	844	24.9	905	29.4	12.3	944	974	1,004	8	10.9	3,028	331.4
Dayton, OH	243	30.5	194	36.9	.9	188	181	179	89	−7.6	3,289	54.4
Denver, CO	515	9.1	493	12.0	18.8	506	505	505	23	2.5	4,728	106.8
Des Moines, IA	201	5.7	191	6.8	1.8	192	191	192	78	.6	2,901	66.2
Detroit, MI	1,514	43.7	1,203	63.1	2.4	1,157	1,127	1,086	6	−9.7	8,010	135.6
Durham, NC	95	38.8	101	47.1	.9	109	110	114	149	12.6	2,182	52.2
Elizabeth, NJ	113	15.5	106	18.2	26.7	107	107	107	165	.3	9,106	11.7
El Paso, TX	322	2.3	425	3.2	62.5	445	464	492	24	15.6	2,052	239.7
Erie, PA	129	6.6	119	9.7	1.1	118	117	115	147	−3.2	5,312	21.7
Eugene, OR	79	.8	106	1.1	2.1	104	103	105	167	−.2	2,978	35.4
Evansville, IN	139	7.3	130	8.8	.5	130	130	129	130	−.8	3,444	37.6
Flint, MI	193	28.1	160	41.4	2.5	154	149	146	116	−8.8	4,452	32.7
Fort Lauderdale, FL	140	14.6	153	21.0	4.2	154	150	149	112	−3.0	5,021	29.6

See footnotes at end of table.

NO. 39. CITIES WITH 100,000 INHABITANTS OR MORE IN 1986—POPULATION, 1970 TO 1986, AND LAND AREA, 1985—Continued

[See headnote, p. 33]

CITY	1970		1980			1982, total population (1,000)	1984, total population (1,000)	1986, population				1985, land area [4] (square miles)
	Total population [1] (1,000)	Percent Black [2]	Total population [1] (1,000)	Percent—[2] Black	Percent—[2] Hispanic [3]			Total (1,000)	Rank	Percent change, 1980–1986	Per square mile	
Fort Wayne, IN	178	10.6	172	14.6	2.2	173	170	173	94	.3	2,921	59.2
Fort Worth, TX	393	19.9	385	22.8	12.6	401	415	430	30	11.5	1,662	258.5
Fremont, CA	101	(z)	132	2.5	14.0	138	144	154	108	16.4	1,959	78.4
Fresno, CA	166	9.6	217	9.5	23.6	257	273	285	53	30.9	3,015	94.4
Fullerton, CA	86	.8	102	1.6	13.5	105	107	109	159	6.4	4,899	22.2
Garden Grove, CA	121	(z)	123	.8	13.5	128	131	135	126	9.4	7,619	17.7
Garland, TX	81	3.7	139	5.3	6.3	149	160	177	91	27.1	3,146	56.1
Gary, IN	175	52.8	152	70.8	7.1	148	143	137	122	−10.0	3,472	39.4
Glendale, AZ	36	.4	97	1.9	12.8	106	114	126	135	29.5	2,501	50.3
Glendale, CA	133	(z)	139	.3	17.8	142	147	154	107	10.5	5,022	30.6
Grand Rapids, MI	198	11.3	182	15.7	3.2	183	183	187	80	2.6	4,298	43.4
Greensboro, NC	144	28.2	156	33.0	.8	172	174	177	90	13.5	2,427	72.8
Hampton, VA	121	25.4	123	34.3	1.4	125	126	126	134	2.8	2,456	51.3
Hartford, CT	158	27.9	136	33.9	20.5	136	136	138	121	1.2	7,752	17.8
Hayward, CA	93	1.8	94	5.7	20.2	96	99	102	176	8.5	2,286	44.4
Hialeah, FL	102	1.1	145	1.5	74.3	155	152	162	100	11.4	8,338	19.4
Hollywood, FL	107	3.7	121	4.1	5.3	122	120	121	138	−.3	4,779	25.3
Honolulu, HI [7]	325	.7	365	1.2	5.2	368	373	372	38	2.0	4,280	87.0
Houston, TX	1,234	25.7	1,595	27.6	17.6	1,744	1,724	1,729	4	8.4	3,019	572.7
Huntington Beach, CA	116	(z)	171	.7	7.9	176	179	184	83	7.7	6,751	27.2
Huntsville, AL	139	12.1	143	20.7	1.0	145	150	163	97	14.7	1,406	116.2
Independence, MO	112	.6	112	.7	1.4	112	112	113	150	1.0	1,401	80.6
Indianapolis, IN	737	18.0	701	21.8	.9	708	710	720	13	2.7	2,045	352.0
Inglewood, CA	90	11.2	94	57.3	19.2	97	99	103	172	8.9	11,522	8.9
Irving, TX	97	1.0	110	1.5	7.4	114	120	129	132	16.9	1,907	67.4
Jackson, MS	154	39.7	203	47.0	.7	204	209	208	74	2.7	1,963	106.2
Jacksonville, FL	504	22.3	541	25.4	1.8	556	578	610	17	12.7	803	759.7
Jersey City, NJ	260	21.0	224	27.7	18.6	223	223	219	70	−1.8	16,627	13.2
Kansas City, KS	168	20.4	161	25.3	4.9	162	160	162	99	.6	1,509	107.4
Kansas City, MO	507	22.1	448	27.4	3.3	445	443	441	29	−1.5	1,394	316.4
Knoxville, TN	175	12.7	175	14.6	.7	175	174	173	93	−1.0	2,209	78.4
Lakewood, CO	93	.1	114	.5	5.9	118	121	122	137	7.3	3,008	40.6
Lansing, MI	131	9.3	130	13.9	6.3	128	128	129	131	−1.1	3,654	35.1
Laredo, TX	69	.5	91	.1	93.0	105	115	117	145	28.0	4,320	27.1
Las Vegas, NV	126	11.2	165	12.8	7.8	180	183	192	79	16.3	2,850	67.2
Lexington-Fayette, KY [8]	108	17.0	204	13.3	.7	208	210	213	73	4.3	748	284.7
Lincoln, NE	150	1.5	172	2.0	1.6	177	180	183	85	6.5	3,006	60.9
Little Rock, AR	132	25.0	159	32.2	.8	179	181	181	86	13.7	1,866	97.0
Livonia, MI	110	(z)	105	.1	.9	101	100	101	181	−4.1	2,889	34.8
Long Beach, CA	359	5.3	361	11.3	14.0	371	379	396	33	9.6	7,957	49.8
Los Angeles, CA	2,812	17.9	2,969	17.0	27.5	3,022	3,097	3,259	2	9.8	6,996	465.9
Louisville, KY	362	23.8	299	28.2	.7	294	290	286	52	−4.0	4,689	61.1
Lubbock, TX	149	7.3	174	8.2	18.8	180	182	186	81	7.2	1,754	106.3
Macon, GA	122	37.3	117	44.5	.7	119	120	118	143	1.3	2,383	49.7
Madison, WI	172	1.5	171	2.7	1.3	173	171	176	92	3.1	3,157	55.7
Memphis, TN	624	38.9	646	47.6	.8	646	648	653	15	1.0	2,471	264.1
Mesa, AZ	63	1.2	152	1.2	9.1	182	206	251	60	65.0	2,647	95.0
Miami, FL	335	22.7	347	25.1	55.9	383	373	374	36	7.9	10,902	34.3
Milwaukee, WI	717	14.7	636	23.1	4.1	632	621	605	18	−4.9	6,316	95.8
Minneapolis, MN	434	4.4	371	7.7	1.3	369	358	357	43	−3.8	6,476	55.1
Mobile, AL	190	35.4	200	36.2	1.1	205	205	203	75	1.4	1,486	136.8
Modesto, CA	62	1.9	107	2.1	10.5	114	122	133	128	24.3	4,888	27.2
Montgomery, AL	133	33.4	178	39.2	.9	182	185	194	77	9.2	1,462	132.9
Nashville-Davidson, TN	426	19.6	456	23.3	.8	455	462	474	26	4.0	988	479.5
Newark, NJ	382	54.2	329	58.2	18.6	321	314	316	50	−3.9	13,122	24.1
New Haven, CT	138	26.3	126	31.9	8.0	125	124	123	136	−2.1	6,532	18.9
New Orleans, LA	593	45.0	558	55.3	3.4	565	559	554	21	−.6	2,781	199.4
Newport News, VA	138	28.4	145	31.5	1.8	151	155	162	101	11.6	2,476	65.3
New York, NY	7,896	21.1	7,072	25.2	19.9	7,086	7,165	7,263	1	2.7	24,089	301.5
Bronx Borough	1,472	24.3	1,169	31.8	33.9	1,163	1,173	1,194	(x)	2.1	28,633	41.7
Brooklyn Borough	2,602	25.2	2,231	32.4	17.6	2,240	2,254	2,293	(x)	1.0	32,664	70.2
Manhattan Borough	1,539	24.7	1,428	21.7	23.5	1,423	1,456	1,478	(x)	3.5	66,577	22.2
Queens Borough	1,987	13.0	1,891	18.7	13.9	1,900	1,911	1,923	(x)	1.7	17,707	108.6
Staten Island Borough	295	5.3	352	7.3	5.4	360	371	375	(x)	6.5	6,388	58.7
Norfolk, VA	308	28.3	267	35.2	2.3	267	280	275	56	2.9	5,185	53.0
Oakland, CA	362	34.5	339	46.9	9.6	345	352	357	42	5.2	6,623	53.9
Odessa, TX	78	5.7	90	5.6	23.2	102	109	101	178	12.4	2,892	35.0
Oklahoma City, OK	366	13.7	404	14.6	2.8	426	443	446	28	10.4	739	604.0
Omaha, NE	347	9.9	314	12.0	2.3	344	348	349	45	11.3	3,517	99.3
Ontario, CA	64	1.8	89	3.4	27.1	97	106	114	148	28.7	3,149	36.3

See footnotes at end of table.

No. 39. Cities With 100,000 Inhabitants or More in 1986—Population, 1970 to 1986, and Land Area, 1985—Continued

[See headnote, p. 33]

CITY	1970		1980			1982, total population (1,000)	1984, total population (1,000)	1986, population				1985, land area[4] (square miles)
	Total population[1] (1,000)	Percent Black[2]	Total population[1] (1,000)	Percent—[2]				Total (1,000)	Rank	Percent change, 1980–1986	Per square mile	
				Black	Hispanic[3]							
Orange, CA	77	.3	91	.9	12.4	95	97	101	180	10.2	4,458	22.6
Orlando, FL	99	29.5	128	30.0	3.9	134	137	146	115	13.7	2,416	60.4
Oxnard, CA	71	6.0	108	6.1	44.4	118	124	127	133	17.4	5,162	24.6
Pasadena, CA	113	16.1	118	20.7	18.4	121	125	130	129	10.0	5,599	23.2
Pasadena, TX	90	.1	113	.8	17.0	122	119	118	144	4.9	3,090	38.2
Paterson, NJ	145	26.9	138	34.1	28.7	139	139	139	119	.8	16,763	8.3
Peoria, IL	127	11.5	124	16.7	1.4	122	117	110	158	−11.2	2,614	42.2
Philadelphia, PA	1,949	33.6	1,688	37.8	3.8	1,665	1,647	1,643	5	−2.7	12,080	136.0
Phoenix, AZ	584	4.8	790	4.8	14.8	824	853	894	10	13.1	2,384	375.0
Pittsburgh, PA	520	20.2	424	24.0	.8	415	403	387	35	−8.6	6,994	55.4
Plano, TX	18	4.9	72	3.3	3.5	84	93	111	155	53.5	1,768	62.1
Pomona, CA	87	12.2	93	19.0	30.5	100	107	116	146	24.6	5,045	22.9
Portland, OR	380	5.6	368	7.6	2.1	395	394	388	34	5.4	3,405	113.9
Portsmouth, VA	111	39.9	105	45.1	1.0	106	108	111	157	6.1	3,712	29.9
Providence, RI	179	8.9	157	11.8	5.8	156	154	157	106	.3	8,317	18.9
Pueblo, CO	97	2.1	102	2.1	35.5	101	100	101	177	−.4	3,040	33.3
Raleigh, NC	123	22.7	150	27.4	.9	160	170	180	87	20.1	2,325	77.6
Reno, NV	73	2.2	101	2.7	5.1	107	106	110	154	9.6	3,051	36.2
Richmond, VA	249	42.0	219	51.3	1.0	218	219	218	72	−.7	3,622	60.1
Riverside, CA	140	5.2	171	6.9	16.2	174	182	197	76	15.3	2,659	74.0
Roanoke, VA	92	19.3	100	22.0	.7	100	101	102	175	1.7	2,364	43.1
Rochester, NY	295	16.8	242	25.8	5.4	244	243	236	66	−2.4	6,900	34.2
Rockford, IL	147	8.3	140	13.2	2.9	138	137	136	124	−2.8	3,311	41.0
Sacramento, CA	257	10.7	276	13.4	14.2	289	304	324	49	17.3	3,325	97.3
St. Louis, MO	622	40.9	453	45.6	1.2	437	429	426	31	−5.9	6,943	61.4
St. Paul, MN	310	3.5	270	4.9	2.9	270	266	264	59	−2.4	5,032	52.4
St. Petersburg, FL	216	14.8	239	17.2	1.6	241	241	239	64	.3	4,283	55.9
Salt Lake City, UT	176	1.2	163	1.5	7.6	164	165	158	104	−2.8	1,577	100.5
San Antonio, TX	654	7.6	786	7.3	53.7	844	869	914	9	16.3	3,003	304.5
San Bernardino, CA	107	14.0	119	14.9	25.4	126	132	139	120	16.7	2,507	55.3
San Diego, CA	697	7.6	876	8.9	14.9	916	960	1,015	7	16.0	3,086	329.0
San Francisco, CA	716	13.4	679	12.7	12.3	692	713	749	12	10.3	16,142	46.4
San Jose, CA	460	2.5	629	4.6	22.3	659	686	712	14	13.1	4,209	169.2
Santa Ana, CA	156	4.3	204	4.0	44.5	217	225	237	65	16.1	8,642	27.4
Savannah, GA	118	44.9	142	49.0	1.3	146	145	147	114	3.6	2,585	56.8
Scottsdale, AZ	68	.2	89	.4	3.1	94	99	111	154	25.4	610	182.1
Seattle, WA	531	7.1	494	9.5	2.6	490	488	486	25	−1.5	5,816	83.6
Shreveport, LA	182	34.1	206	41.1	1.3	212	221	220	69	7.1	2,443	90.2
South Bend, IN	126	14.1	110	18.3	2.4	108	107	107	164	−2.3	2,945	36.4
Spokane, WA	171	1.3	171	1.6	1.5	172	173	173	95	.9	3,104	55.7
Springfield, IL	92	8.2	100	10.8	.7	100	102	100	182	.3	2,428	41.3
Springfield, MA	164	12.6	152	16.6	9.1	152	150	149	111	−1.9	4,713	31.7
Springfield, MO	120	2.0	133	2.1	.7	134	137	139	118	4.7	2,074	67.2
Stamford, CT	109	12.3	102	15.0	5.6	104	102	101	179	−1.4	2,653	38.1
Sterling Heights, MI	61	.1	109	.2	.9	108	109	112	153	2.7	3,059	36.6
Stockton, CA	110	11.0	150	10.4	22.1	162	171	183	84	22.7	4,276	42.9
Sunnyvale, CA	96	.8	107	2.4	11.5	107	111	112	152	5.2	4,792	23.4
Syracuse, NY	197	10.8	170	15.7	1.7	166	164	161	102	−5.5	6,754	23.8
Tacoma, WA	154	6.8	159	9.2	2.4	161	159	159	103	.3	3,325	47.8
Tallahassee, FL	73	25.1	82	31.6	1.8	106	113	119	140	46.5	2,042	58.5
Tampa, FL	278	19.7	272	23.5	13.3	276	275	278	54	2.2	2,664	104.2
Tempe, AZ	64	.7	107	1.6	8.2	113	118	136	123	27.6	3,527	38.7
Toledo, OH	383	13.8	355	17.4	3.0	351	344	341	46	−3.9	4,046	84.2
Topeka, KS	125	8.4	119	9.5	4.6	120	119	119	142	−.1	2,259	52.5
Torrance, CA	135	(Z)	130	.7	8.3	130	133	136	125	4.4	6,613	20.5
Tucson, AZ	263	3.5	331	3.7	24.9	355	367	359	41	8.6	2,862	125.4
Tulsa, OK	330	10.6	361	11.8	1.7	375	375	374	37	3.6	2,008	186.1
Virginia Beach, VA	172	9.1	262	10.0	2.0	283	309	333	47	27.2	1,476	225.9
Waco, TX	95	19.9	101	21.8	11.1	102	104	105	168	3.9	1,388	75.8
Warren, MI	179	(Z)	161	.2	.9	156	152	150	110	−7.0	4,355	34.4
Washington, DC	757	71.1	638	70.3	2.8	633	623	626	16	−1.9	9,984	62.7
Waterbury, CT	108	10.1	103	11.6	6.7	103	103	102	173	−.9	3,577	28.6
Wichita, KS	277	9.7	280	10.8	3.5	290	284	289	51	3.2	2,575	112.2
Winston-Salem, NC	134	34.3	132	40.2	.8	145	148	148	113	12.3	2,134	69.4
Worcester, MA	177	1.9	162	2.9	4.3	161	160	158	105	−2.5	4,218	37.4
Yonkers, NY	204	6.4	195	10.5	8.7	192	191	186	82	−4.7	10,168	18.3
Youngstown, OH	141	25.2	116	33.3	3.3	111	108	105	169	−9.4	3,034	34.5

X Not applicable. Z Less than .05 percent. [1] Population totals include corrections made after tabulations were completed. [2] Based on uncorrected tabulated data. [3] Hispanic persons may be of any race. [4] As of December 31. Reflects estimates of areas annexed or detached since January 1, 1980 as provided by the municipalities. The Bureau of the Census cannot verify, and is not responsible for, the accuracy of these data. [5] Anchorage city consolidated with Anchorage Borough September 15, 1975. [6] Columbus and the unincorporated balance of Muscogee County consolidated on January 1, 1971. [7] Data represent the census designated place of Honolulu, as delineated by the State of Hawaii. [8] Lexington and Fayette County consolidated January 1, 1974.

Source: U.S. Bureau of the Census, *Census of Population: 1970,* vol. I, chapters A and B; *1980 Census of Population,* vol. 1, chapters A and B; press release (CB 87-165) (revised 11-04-87) and unpublished data.

NO. 40. POPULATION 65 YEARS OLD AND OVER, AND SOCIETAL SUPPORT RATIOS: 1960 TO 1987

[In millions, except as indicated. As of July. Includes Armed Forces overseas. The support ratio is the number of elderly persons of a specified age per 100 persons defined by age or work status]

AGE GROUP	1960	1970	1980	1987
Persons 65 years and over	**16.7**	**20.1**	**25.7**	**29.8**
Percent of all ages	9.2	9.8	11.3	12.2
65-69 years	6.3	7.0	8.8	9.9
70-74 years	4.8	5.5	6.8	7.8
75-79 years	3.1	3.9	4.8	5.8
80-84 years	1.6	2.3	3.0	3.5
85 years and over	.9	1.4	2.3	2.9

SUPPORT RATIO	1960	1970	1980	1987
Persons, 65 years old and over, per 100 persons, 18-64 years old	17	17	19	20
Persons, 60 years old and over, per 100 persons, 20-59 years old	27	29	30	31
Nonworkers, 65 years old and over, per 100 workers, 18-64 years old [1]	21	22	23	22
Nonworkers, 60 years old and over, per 100 workers, 20-59 years old [1]	28	30	31	30

[1] Nonworkers are persons not in labor force and workers are persons in civilian labor force. Labor force data are monthly averages based on the Current Population Survey; see text, section 1. Data from U.S. Bureau of Labor Statistics.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1022 and earlier reports; and unpublished data.

NO. 41. PERSONS 65 YEARS OLD AND OVER—CHARACTERISTICS, BY SEX: 1960 TO 1987

CHARACTERISTIC	MALE					FEMALE				
	1960	1970	1980	1985	1987	1960	1970	1980	1985	1987
Total [1] [2] (million)	**7.5**	**8.3**	**9.9**	**11.0**	**12.1**	**9.0**	**11.5**	**14.2**	**15.8**	**17.7**
Percent of total population	8.6	8.5	9.2	9.7	10.2	9.9	11.1	12.4	13.1	14.2
White [1] (million)	6.9	7.6	9.0	9.9	10.9	8.4	10.6	12.9	14.3	16.0
Black [1] (million)	.5	.7	.8	.9	1.0	.6	.9	1.2	1.3	1.5
Age: [3]										
65-69 years (percent)	3.3	3.2	3.5	3.7	3.8	3.7	3.7	4.2	4.2	4.3
70-74 years (percent)	2.5	2.3	2.6	2.8	2.8	2.8	3.0	3.4	3.6	3.6
75-79 years (percent)	1.6	1.6	1.7	1.9	1.9	1.9	2.2	2.5	2.7	2.8
80 years and over (percent)	1.2	1.4	1.6	1.7	1.7	1.6	2.3	3.0	3.4	3.5
Percent below poverty level: [1] [4]										
Family householders	29.7	16.6	8.4	6.0	6.1	31.5	23.5	13.0	13.0	13.0
Unrelated individuals	58.5	40.0	25.3	20.8	19.6	69.1	49.9	30.5	25.9	26.8
PERCENT DISTRIBUTION										
Marital status: [1]										
Single	7.3	7.5	4.9	5.3	4.5	8.5	7.7	5.9	5.1	5.5
Married	71.7	73.1	78.0	77.2	77.1	36.8	35.6	39.5	39.9	41.0
Spouse present	69.0	69.9	76.1	75.0	74.9	35.0	33.9	37.9	38.3	39.2
Spouse absent	2.7	3.2	1.9	2.2	2.2	1.8	1.7	1.7	1.6	1.8
Widowed	19.4	17.1	13.5	13.8	14.0	53.1	54.4	51.2	50.7	49.2
Divorced	1.7	2.3	3.6	3.7	4.3	1.5	2.3	3.4	4.3	4.3
Family status: [1]										
In families	82.3	79.2	[5] 83.0	[5] 82.4	[5] 81.9	67.7	58.5	[5] 56.8	[5] 56.7	[5] 56.7
Nonfamily householders	12.8	14.9	15.7	15.4	16.6	26.8	35.2	42.0	42.1	41.8
Secondary individuals	2.4	2.4	1.3	2.2	1.6	3.0	1.9	1.1	1.1	1.5
Residents of institutions [1]	2.5	3.6	(NA)	(NA)	(NA)	2.4	4.4	(NA)	(NA)	(NA)
Living arrangements: [1]										
Living in household	97.4	95.5	99.9	99.5	99.7	97.0	95.0	99.7	99.6	99.5
Living alone	(NA)	14.1	14.9	14.7	15.6	(NA)	33.8	41.0	41.1	40.9
Spouse present	[6] 73.2	69.9	76.1	75.0	74.9	[6] 36.9	33.9	37.9	38.3	39.2
Living with someone else	(NA)	11.5	8.9	9.8	9.2	(NA)	27.4	20.8	20.2	19.4
Not in household [1] [7]	2.6	4.5	.1	.5	.3	3.0	5.0	.3	.4	.5
Years of school completed:										
8 years or less	72.5	61.5	45.3	37.2	34.4	66.4	56.1	41.6	34.1	31.8
1-3 years of high school	10.4	12.6	15.5	15.7	14.8	12.8	13.9	16.7	17.0	16.8
4 years of high school	7.8	12.5	21.4	26.4	27.7	11.6	18.1	25.8	30.7	33.0
1-3 years of college	4.9	5.6	7.5	9.1	10.4	6.1	6.7	8.6	10.3	10.5
4 years or more of college	4.3	7.9	10.3	11.5	12.8	3.2	5.2	7.4	8.0	7.9
Labor force participation: [8]										
Employed	31.7	25.9	18.4	15.3	15.9	10.5	9.4	7.8	7.0	7.2
Unemployed	1.4	.9	.6	.5	.4	.3	.3	.3	.2	.2
Not in labor force	66.9	73.2	81.0	84.2	83.7	89.2	90.3	91.9	92.7	92.6

NA Not available. [1] Civilian population as of March. Beginning 1980, excludes institutional population. [2] Includes other races, not shown separately. [3] Estimated total resident population as of July 1. [4] Poverty status based on income in preceding year. [5] Excludes those living in unrelated subfamilies. [6] Includes a small number of "spouse present" in group quarters. [7] In institutions (1960 and 1970) and other group quarters. [8] Annual averages of monthly figures. Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Source: Except as noted, U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports; series P-23, Nos. 57 and 59; series P-25, No. 1022; and series P-60, No. 160 and earlier reports; and unpublished data.

No. 42. PERSONS 65 YEARS OLD AND OVER—FAMILY CHARACTERISTICS BY LIVING ARRANGEMENTS: 1984

[**In percent, except as indicated.** Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 43, 185, 186, and 608]

ITEM	Total	LIVING— Alone	LIVING— With others
Total (1,000)	**26,433**	**8,397**	**18,036**
PERCENT DISTRIBUTION			
Total	**100.0**	**100.0**	**100.0**
Number of living children:			
None	18.7	26.9	15.0
One	17.7	19.3	17.0
Two	24.7	22.6	25.6
Three	15.4	13.5	16.4
Four or more	23.4	17.7	26.1
Number of living siblings:			
None	20.6	25.0	18.5
One	21.5	23.6	20.6
Two	18.7	16.7	19.6
Three	13.8	12.5	14.4
Four or more	25.4	22.2	26.9
Living children or siblings:			
Neither	4.6	7.8	3.2
Children only	15.9	17.2	15.3
Siblings only	14.1	19.1	11.8
Both	65.3	55.9	69.7

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

No. 43. PERSONS 65 YEARS OLD AND OVER WITH CHILDREN WHO DO NOT LIVE IN THE SAME HOUSEHOLD—CONTACTS: 1984

[**In percent, except as indicated.** Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Excludes 4 million persons 65 years old and over living with their children. Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 42, 185, 186, and 608]

FREQUENCY OF CONTACT	Total	AGE GROUP 65–74 years old	AGE GROUP 75 years old and over	AGE GROUP 75–84 years old	AGE GROUP 85 years old and over	LIVING— Alone	LIVING— With others
Total (1,000)	**17,526**	**11,284**	**6,243**	**5,234**	**1,009**	**6,142**	**11,384**
PERCENT DISTRIBUTION							
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Frequency of seeing or talking with child:							
Daily	41.4	39.8	44.3	42.6	53.2	44.5	39.8
2 or more times per week	21.3	22.6	19.1	19.2	18.5	20.7	21.6
Weekly	20.2	20.1	20.3	21.5	14.2	18.3	21.2
2 or more times per month	6.6	6.8	6.2	6.3	5.9	5.4	7.2
Monthly	5.0	5.2	4.6	5.0	2.9	4.7	5.1
Less than monthly [1]	5.5	5.6	5.4	5.5	5.3	6.3	5.1
Frequency of seeing child:							
Daily	22.6	21.5	24.6	23.7	29.5	24.0	21.8
2 or more times per week	17.7	17.7	17.7	17.1	20.9	19.9	16.5
Weekly	21.3	21.5	21.0	21.0	21.3	20.2	21.9
2 or more times per month	8.0	8.5	7.1	7.3	6.1	7.7	8.2
Monthly	7.9	7.6	8.5	8.9	6.5	7.5	8.2
Less than monthly [1]	22.4	23.2	21.0	22.1	15.8	20.7	23.3
Frequency of talking with child:							
Daily	33.5	32.6	35.2	33.8	42.5	36.4	32.0
2 or more times per week	20.9	22.1	18.7	18.9	17.7	20.2	21.3
Weekly	21.9	21.8	22.2	23.4	15.7	20.1	23.0
2 or more times per month	7.8	8.0	7.4	7.5	6.7	6.3	8.5
Monthly	6.8	7.3	5.9	6.5	2.9	6.0	7.3
Less than monthly [1]	9.1	8.2	10.5	9.8	14.4	11.1	7.9
Time for child to get to parent:							
Within 10 minutes	25.6	24.6	27.2	26.8	29.6	26.2	25.2
10–29 minutes	28.6	28.5	28.6	27.8	32.9	30.5	27.5
30–59 minutes	11.6	11.8	11.3	10.9	13.3	12.2	11.3
1–2 hours	13.2	13.7	12.2	13.0	8.6	12.4	13.7
3–23 hours	13.8	14.0	13.4	14.2	9.3	12.5	14.4
More than a day [1]	7.3	7.3	7.1	7.3	6.3	6.3	7.8

[1] Includes unknown and other responses, not shown separately.

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey. ,

No. 44. Social and Economic Characteristics of the White, Black, and Hispanic Populations: 1987

[As of **March**, except **labor force status, annual average.** Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1, and Appendix III]

CHARACTERISTIC	NUMBER (1,000)						PERCENT DISTRIBUTION					
	Total population[1]	White	Black	Hispanic[2]			Total population[1]	White	Black	Hispanic[2]		
				Total[3]	Mexican	Puerto Rican				Total[3]	Mexican	Puerto Rican
Total persons	**238,789**	**202,453**	**28,930**	**18,790**	**11,762**	**2,284**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Under 5 years old	18,130	14,798	2,728	1,995	1,341	268	7.6	7.3	9.4	10.6	11.4	11.7
5–14 years old	33,972	27,441	5,283	3,691	2,553	482	14.2	13.6	18.3	19.6	21.7	21.1
15–44 years old	113,811	95,892	14,087	9,705	6,006	1,175	47.7	47.4	48.7	51.6	51.1	51.4
45–64 years old	44,901	39,149	4,501	2,493	1,373	280	18.8	19.3	15.6	13.3	11.7	12.3
65 years old and over	27,975	25,173	2,331	906	491	81	11.7	12.4	8.1	4.8	4.2	3.5
YEARS OF SCHOOL COMPLETED												
Persons 25 years old and over	**149,144**	**129,170**	**15,580**	**9,449**	**5,489**	**1,106**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Elementary: 0–8 years	18,941	15,478	2,863	3,330	2,226	319	12.7	12.0	18.4	35.2	40.6	28.8
High school: 1–3 years	17,417	14,233	2,835	1,310	805	193	11.7	11.0	18.2	13.9	14.7	17.4
4 years	57,669	50,690	5,773	2,742	1,496	347	38.7	39.2	37.1	29.0	27.3	31.4
College: 1–3 years	25,479	22,265	2,442	1,257	642	160	17.1	17.2	15.7	13.3	11.7	14.5
4 years or more	29,637	26,505	1,667	810	320	88	19.9	20.5	10.7	8.6	5.8	8.0
LABOR FORCE STATUS												
Civilians 16 years old and over	**182,753**	**156,958**	**20,352**	**12,867**	**7,651**	**1,540**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Civilian labor force	119,865	103,290	12,993	8,541	5,203	827	65.6	65.8	63.8	66.4	68.0	53.7
Employed	112,440	97,789	11,309	7,790	4,690	744	61.5	62.3	55.6	60.5	61.3	48.3
Unemployed	7,425	5,501	1,684	751	514	83	4.1	3.5	8.3	5.8	6.7	5.4
Unemployment rate[4]	6.2	5.3	13.0	8.8	9.9	10.1	(X)	(X)	(X)	(X)	(X)	(X)
Not in labor force	62,888	53,669	7,359	4,327	2,448	713	34.4	34.2	36.2	33.6	32.0	46.3
FAMILY TYPE												
Total families	**64,491**	**55,676**	**7,096**	**4,403**	**2,611**	**593**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
With own children[5]	31,898	26,717	4,184	2,859	1,769	432	49.5	48.0	59.0	64.9	67.8	72.8
Married couple	51,537	46,410	3,742	3,118	1,952	314	79.9	83.4	52.7	70.8	74.8	53.0
With own children[5]	24,645	21,787	2,023	2,034	1,359	214	38.2	39.1	28.5	46.2	52.0	36.1
Female householder, no spouse present	10,445	7,227	2,967	1,032	502	257	16.2	13.0	41.8	23.4	19.2	43.3
With own children[5]	6,297	4,141	2,025	729	347	209	9.8	7.4	28.5	16.6	13.3	35.2
Male householder, no spouse present	2,510	2,038	386	253	157	22	3.9	3.7	5.4	5.7	6.0	3.7
With own children[5]	955	789	136	96	63	9	1.5	1.4	1.9	2.2	2.4	1.5
FAMILY INCOME, 1986												
Total families	**64,491**	**55,676**	**7,096**	**4,403**	**2,611**	**593**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Less than $5,000	3,008	1,947	994	381	208	105	4.7	3.5	14.0	8.7	8.0	17.7
$5,000–$9,999	5,022	3,747	1,146	643	365	116	7.8	6.7	16.1	14.6	14.0	19.6
$10,000–$14,999	6,232	5,047	977	668	441	81	9.7	9.1	13.8	15.2	16.9	13.7
$15,000–$24,999	12,613	10,875	1,435	985	629	110	19.6	19.5	20.2	22.4	24.1	18.5
$25,000–$34,999	11,654	10,332	1,043	727	432	80	18.1	18.6	14.7	16.5	16.5	13.5
$35,000–$49,999	12,632	11,461	878	550	323	56	19.6	20.6	12.4	12.5	12.4	9.4
$50,000 or more	13,328	12,267	624	450	212	44	20.7	22.0	8.8	10.2	8.1	7.4
Median income (dol.)[6]	29,458	30,809	17,604	19,995	19,326	14,584	(X)	(X)	(X)	(X)	(X)	(X)
Persons below poverty level[7]	32,370	22,183	8,983	5,117	3,333	898	13.6	11.0	31.1	27.3	28.4	39.4
HOUSING TENURE												
Total occupied units	**89,479**	**77,284**	**9,922**	**5,418**	(NA)	(NA)	**100.0**	**100.0**	**100.0**	**100.0**	(NA)	(NA)
Owner-occupied	57,258	51,657	4,505	2,196	(NA)	(NA)	64.0	66.8	45.4	40.6	(NA)	(NA)
Renter-occupied	30,687	24,289	5,245	3,098	(NA)	(NA)	34.3	31.4	52.9	57.2	(NA)	(NA)
No cash rent	1,534	1,338	172	123	(NA)	(NA)	1.7	1.7	1.7	2.3	(NA)	(NA)

NA Not available. X Not applicable. [1] Includes other races and persons not of Hispanic origin, not shown separately. [2] Hispanic persons may be of any race. [3] Includes other Hispanic subgroups not shown separately. [4] Total unemployment as percent of civilian labor force. [5] Children under 18 years old. [6] For definition of median, see Guide to Tabular Presentation. [7] For explanation of poverty level, see text, section 14.

Source: U.S. Bureau of the Census, *Current Population Reports*, P-60, No. 159 and P-20, No. 416. Labor force data are published by U.S. Bureau of Labor Statistics, *Employment and Earnings*, January 1988.

No. 45. Social and Economic Characteristics of the Asian, Pacific Islander, American Indian, Eskimo and Aleut Populations: 1980

[In percent, except as indicated. As of April 1. Based on a sample from the 1980 Census of Population; see text, section 1, and Appendix III]

CHARACTERISTIC	Total population ¹	ASIAN AND PACIFIC ISLANDER												AMERICAN INDIAN, ESKIMO, AND ALEUT	
		Total	Asian							Pacific Islander					
			Total ²	Chinese	Filipino	Japanese	Asian Indian	Korean	Vietnamese	Total ³	Hawaiian	Guamanian	Samoan	Total	American Indian
Total (1,000)	**226,546**	**3,726**	**3,467**	**812**	**782**	**716**	**387**	**357**	**245**	**260**	**172**	**31**	**40**	**1,534**	**1,479**
Age:															
Under 5 years old	7.2	8.6	8.4	7.1	9.0	5.2	11.1	10.6	10.0	10.8	10.0	9.1	14.1	10.1	10.1
5–14 years old	15.4	16.8	16.5	14.0	18.1	11.3	18.0	21.7	24.8	20.4	19.2	19.9	25.7	20.8	20.8
15–24 years old	18.7	17.3	16.9	17.9	15.9	17.4	11.3	15.8	23.2	23.1	22.5	26.6	22.5	22.4	22.3
25–34 years old	16.4	21.5	21.8	23.0	20.9	18.9	25.5	21.0	21.6	17.4	16.4	21.7	16.9	16.9	16.9
35–44 years old	11.3	14.2	14.4	12.9	15.5	12.8	18.1	18.0	10.4	11.3	11.7	10.5	10.4	11.1	11.1
45–64 years old	19.7	15.7	15.9	18.1	13.5	27.0	10.1	10.5	8.0	12.6	14.7	9.7	8.4	13.4	13.5
65–74 years old	6.9	3.8	6.1	4.6	5.2	4.2	3.9	1.8	1.4	4.4	3.7	1.6	1.3	3.4	3.4
75 years old and over	4.4	2.1		2.3	2.0	3.1	4.1	.6	.5		1.9	.8	.7	1.8	1.8
Percent foreign born	6.2	58.6	62.1	63.3	64.7	28.4	70.4	81.9	90.5	11.8	1.6	9.5	35.6	2.5	2.5
Years of school completed:															
Persons 25 years old and over (1,000)	132,836	2,137	2,018	495	446	473	239	185	103	119	63	14	15	715	691
Less than 5 years of school	3.6	6.4	(NA)	10.3	7.0	2.3	3.1	4.0	10.3	(NA)	3.2	4.9	5.9	8.4	8.1
4 years of high school or more	66.5	74.8	75.3	71.3	74.2	81.6	80.1	78.1	62.2	67.2	68.4	67.9	61.2	55.5	55.8
4 or more years of college	16.2	32.9	34.3	36.6	37.0	26.4	51.9	33.7	12.9	9.3	9.6	6.2	7.3	7.7	7.7
Labor force status:															
Civilian labor force (1,000)	104,450	1,773	1,667	415	380	395	181	149	88	105	74	13	12	584	567
Percent unemployed ⁴	6.5	4.7	4.6	3.6	4.8	3.0	5.8	5.7	8.2	7.3	7.0	6.8	9.7	13.2	13.0
Family type and size:															
Total families (1,000)	59,190	818	765	192	168	188	96	67	42	53	36	7	7	341	331
Married couple	82.8	84.4	85.1	86.8	83.6	84.1	91.0	86.0	72.8	75.4	73.2	79.6	78.0	71.8	71.9
Female householder, no spouse present	13.9	10.8	10.2	8.5	11.8	11.9	5.7	10.8	14.8	19.4	21.3	14.7	18.2	22.7	22.7
Male householder, no spouse present	3.4	4.8	4.7	4.7	4.6	4.0	3.4	3.2	12.4	5.2	5.5	5.8	3.8	5.5	5.4
Average size of family ⁵	3.27	3.98	3.96	3.65	4.20	3.59	3.45	4.86	5.18	4.25	4.10	3.94	5.16	3.83	3.82
Family income, 1979:															
Median income (dol.) ⁶	19,917	22,713	23,095	22,559	23,687	27,354	24,093	20,459	12,840	17,984	19,196	18,218	14,242	13,724	13,678
Families below poverty level (1,000) ⁷	5,670	87	79	20	10	7	7	9	15	8	5	1	2	81	79
Percent below poverty level	9.6	10.7	10.3	10.5	6.2	4.2	7.4	13.1	35.1	16.1	14.3	11.6	27.5	23.7	23.7

NA Not available. [1] Includes other races, not shown seperately. [2] Includes all other Asians not shown separately. [3] Includes all other Pacific Islanders not shown separately. [4] Total unemployment as percent of civilian labor force. [5] Refers only to Asian and Pacific Islander persons in primary families with an Asian and Pacific Islander householder. [6] For definition of median, see Guide to Tabular Presentation. [7] For explanation of poverty level, see text, section 14.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter C (PC80-1-C) and vol. 2, chapter 1E (PC80-2-1E).

NO. 46. NATIVE AND FOREIGN-BORN POPULATION, BY PLACE OF BIRTH: 1920 TO 1980

[In thousands, except percent. 1950 based on 20-percent sample; 1960 on 25-percent sample; 1970 on 15-percent sample. 1980 data are based on a sample from the 1980 census; see text, section 1. See source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series C 1-16]

YEAR	Total population	NATIVE POPULATION							FOREIGN-BORN	
		Total	Born in State of residence	Born in other States		State of birth not reported	Born in outlying areas¹	Born abroad or at sea of American parents	Number	Percent of total population
				Number	Percent of native population					
1920	106,022	²92,001	71,071	20,274	22.1	314	38	93	14,020	13.2
1930	123,203	²108,919	82,678	25,390	23.4	238	136	131	14,283	11.6
1940	132,165	²120,508	92,610	26,906	22.4	280	157	122	11,657	8.8
1950	150,845	²140,413	102,788	35,284	25.2	1,370	330	96	10,431	6.9
1960	179,326	169,588	119,293	44,691	26.4	4,541	660	402	9,738	5.4
1970	203,210	193,591	131,718	50,639	26.2	8,973	891	1,370	9,619	4.7
1980	226,546	212,466	144,871	65,452	30.8	(³)	1,086	1,055	14,080	6.2

[1] 1920-1950, includes Alaska and Hawaii. Includes Puerto Rico. [2] Includes some persons born abroad of American parents, not shown separately. [3] Place of birth was allocated to those who did not report.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, vol. II, part 2A; *1970*, vol. I, parts C and D; *1980 Census of Population*, vol. 1, chapter C (PC80-1-C) and chapter D (PC80-1-D).

NO. 47. FOREIGN-BORN POPULATION BY COUNTRY OF BIRTH—SELECTED CHARACTERISTICS: 1980

[In percent, except as indicated. As of April 1. Based on a sample and subject to sampling variability, see text, section 1, and Appendix III]

COUNTRY OF BIRTH	Foreign-born persons (1,000)	YEAR OF IMMIGRATION				Not a citizen	EDUCATION¹		OCCUPATION OF EMPLOYED PERSONS³	
		1975-1980	1970-1974	1960-1969	Before 1960		High school graduates	College graduates²	Professional specialty	Service occupations
Total⁴	14,079.9	23.7	15.6	22.3	38.2	49.5	53.1	15.8	12.0	16.1
Europe⁴	4,743.3	8.1	7.5	19.1	65.2	27.7	51.4	12.3	12.5	14.7
Austria	145.6	2.7	1.8	7.6	87.9	13.0	50.2	15.1	19.8	11.6
Czechoslovakia	112.7	3.3	4.3	15.0	77.4	12.6	47.7	14.7	16.0	12.3
England	442.5	14.3	7.6	22.0	56.1	42.0	74.6	16.4	17.4	12.2
France	120.2	13.9	7.2	23.9	55.0	35.9	74.3	22.8	17.2	17.9
Germany	849.4	6.2	4.4	20.6	68.8	21.4	67.3	14.9	13.4	14.1
Greece	211.0	12.9	19.1	27.7	40.3	35.0	40.4	9.5	8.0	25.0
Hungary	144.4	3.8	4.5	10.8	81.0	14.0	53.4	16.6	17.3	10.3
Ireland	197.8	3.7	3.6	14.5	78.1	18.8	52.1	8.8	14.5	21.7
Italy	831.9	4.0	8.1	18.2	69.8	22.6	28.6	5.3	6.1	16.3
Netherlands	103.1	8.3	4.4	21.2	66.1	31.8	67.6	20.3	15.7	11.1
Norway	63.4	6.0	2.3	9.5	82.2	22.2	48.6	11.8	16.4	11.9
Poland	418.1	6.0	5.0	14.5	74.5	22.2	40.5	10.0	10.8	13.5
Portugal⁵	211.6	21.7	23.3	34.0	21.0	61.6	22.3	3.3	2.3	10.0
Romania	67.0	17.0	10.2	16.8	56.0	28.6	53.2	19.0	18.6	12.3
Scotland	142.0	5.9	4.2	17.6	72.2	28.6	68.0	9.8	12.1	14.2
Spain	73.7	17.0	17.9	34.4	30.6	50.9	46.9	12.7	14.1	18.4
Sweden	77.2	7.9	2.8	8.8	80.5	23.2	48.0	11.9	19.0	12.6
Yugoslavia	153.0	7.4	16.2	23.9	52.5	32.4	41.1	10.2	8.4	18.1
Soviet Union	406.0	21.1	3.2	5.3	70.4	27.4	47.2	15.7	15.9	13.2
Asia⁴	2,539.8	47.0	22.4	18.1	12.5	66.2	73.0	35.9	20.3	16.2
China: Mainland	286.1	27.2	20.3	27.3	25.2	49.7	60.0	29.5	16.8	24.4
Taiwan	75.4	54.6	26.5	17.0	1.9	71.1	89.1	59.8	30.4	13.7
Hong Kong	80.4	34.9	27.6	30.9	6.6	61.7	80.3	42.7	19.1	18.6
India	206.1	43.7	33.1	19.3	3.9	76.0	88.9	66.2	42.8	5.3
Iran	121.5	71.9	12.7	9.7	5.7	85.4	87.1	42.8	25.9	14.4
Israel	67.0	34.1	18.9	25.0	22.0	48.2	78.8	34.9	24.9	6.8
Japan	221.8	31.6	13.6	22.7	32.1	56.7	78.0	24.4	13.6	20.8
Korea	289.9	52.3	31.6	13.0	3.1	65.4	77.8	34.2	14.7	17.0
Philippines	501.4	34.4	29.2	22.6	13.8	55.3	74.0	41.8	20.1	16.2
Vietnam	231.1	90.5	7.1	2.1	.2	88.9	62.1	12.9	8.6	16.4
Canada	842.9	9.8	5.4	20.1	64.7	39.0	61.8	14.3	16.2	11.4
Central America⁴	2,553.1	33.7	24.5	22.5	19.4	75.8	26.1	4.1	3.0	18.0
El Salvador	94.4	51.3	25.9	16.8	6.1	85.7	41.4	6.5	2.6	31.7
Mexico	2,199.2	33.0	24.7	21.9	20.3	76.4	21.3	3.0	2.5	16.6
Caribbean⁴	1,258.4	18.6	24.1	45.5	11.9	61.1	56.3	13.1	8.8	18.8
Cuba	607.8	6.3	20.5	60.4	12.8	54.9	54.9	16.1	9.2	12.2
Dominican Republic	169.1	31.0	25.8	37.2	6.1	74.5	30.1	4.3	3.1	18.5
Haiti	92.4	33.6	31.0	30.8	4.6	73.9	64.4	13.4	8.0	27.4
Jamaica	196.8	30.6	28.0	29.8	11.6	63.7	63.5	11.0	10.2	29.9
Trinidad and Tobago	65.9	27.6	34.2	30.7	7.4	70.7	70.3	12.4	10.3	23.3
South America⁴	561.0	32.6	23.6	33.0	10.7	71.1	66.0	18.4	11.1	16.2
Argentina	68.9	25.3	17.9	40.3	16.5	61.2	70.9	24.2	16.3	13.1
Colombia	143.5	29.6	25.4	37.1	7.9	75.1	62.8	14.6	8.1	15.8
Ecuador	86.1	25.5	27.7	39.2	7.6	75.3	56.0	9.3	5.3	14.7

[1] For persons 25 years old and over. [2] Completed 4 years or more of college. [3] For persons 16 years old and over. [4] Includes areas not shown separately. [5] Includes persons born in Azores.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. I, chapter D (PC80-1-D) and unpublished data.

No. 48. Population by Selected Ancestry Group and Region: 1980

[**As of April 1.** Covers persons who reported single and multiple ancestry groups. Persons who reported a multiple ancestry group may be included in more than one category. Major classifications of ancestry groups do not represent strict geographic or cultural definitions. The European ancestry groups shown are those with one million or more persons and other groups shown are those with 75,000 or more persons. Based on a sample and subject to sampling variability; see text, section 1 and Appendix III. For composition of regions, see fig. I, inside front cover]

ANCESTRY GROUP	Number (1,000)	PERCENT DISTRIBUTION, BY REGION: Northeast	Midwest	South	West	ANCESTRY GROUP	Number (1,000)	PERCENT DISTRIBUTION, BY REGION: Northeast	Midwest	South	West
European: [1]						Other—Con.					
English	49,598	16	23	40	21	Chinese	894	25	9	12	55
German	49,224	19	41	22	18	Filipino	795	10	11	11	68
Irish	40,166	24	26	32	18	Japanese	791	7	8	9	77
French [2]	12,892	26	27	27	19	Korean	377	18	18	20	43
Italian	12,184	57	16	13	14	Asian Indian	312	35	23	23	19
Scottish	10,049	19	22	35	24	Vietnamese	215	9	14	33	44
Polish	8,228	41	38	11	10						
Dutch	6,304	18	35	26	20	Jamaican	253	70	6	18	5
						Haitian	90	72	4	21	2
Swedish	4,345	15	43	12	31						
Norwegian	3,454	7	55	7	31	Mexican	7,693	1	9	35	55
Russian [3]	2,781	48	17	16	19	Spanish/ Hispanic [5]	2,687	23	8	26	43
Czech [4]	1,892	18	49	18	15	Puerto Rican	1,444	73	11	8	7
Hungarian	1,777	39	33	13	14	Cuban	598	24	4	63	9
Welsh	1,665	25	27	22	27	Dominican	171	91	1	6	2
Danish	1,518	9	38	10	43						
Portuguese	1,024	50	3	6	41	Colombian	156	54	7	26	13
						Spaniard	95	35	6	38	22
Other:						Ecuadoran	88	64	7	11	18
Lebanese	295	31	27	26	16	Salvadoran	85	13	3	9	75
Armenian	213	39	14	5	42						
Iranian	123	17	15	26	42	Hawaiian	202	2	3	6	89
Syrian	107	47	20	18	15						
Arab/Arabian [5]	93	19	29	21	30	American Indian	6,716	9	24	44	24
						French Canadian	780	47	23	13	17
Afro-American	20,965	17	22	53	9	Canadian	456	42	19	15	23
African [5]	204	33	19	33	15						

[1] Excludes Spaniard. [2] Excludes French Basque. [3] Represents persons who reported as "Russian," "Great Russian," "Georgian," and other related European or Asian groups. Excludes Ukrainian, Ruthenian, Belorussian and some other distinct ethnic groups. See source for further information. [4] Includes persons who reported as "Czech," "Bohemian," and "Moravian," as well as the general response of "Czechoslovakian." [5] Represents a general type of response which may encompass several ancestry groups.

Source: U.S. Bureau of the Census, *1980 Census of Population, Supplementary Report,* series PC80-S1-10.

No. 49. Marital Status of the Population, by Sex and Age: 1987

[As of **March. Persons 18 years old and over.** Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1, and Appendix III. See *Historical Statistics, Colonial Times to 1970,* series A 160-171, for decennial census data]

SEX AND AGE	NUMBER OF PERSONS (1,000): Total	Single	Married	Widowed	Divorced	PERCENT DISTRIBUTION: Total	Single	Married	Widowed	Divorced
Male	**83,706**	**21,145**	**54,854**	**2,120**	**5,586**	**100.0**	**25.3**	**65.5**	**2.5**	**6.7**
18-19 years old	3,530	3,418	111	-	1	100.0	96.8	3.1	-	-
20-24 years old	9,499	7,380	1,965	11	144	100.0	77.7	20.7	.1	1.5
25-29 years old	10,684	4,513	5,587	3	581	100.0	42.2	52.3	-	5.4
30-34 years old	10,448	2,414	7,186	13	835	100.0	23.1	68.8	.1	8.0
35-39 years old	9,163	1,137	7,018	14	995	100.0	12.4	76.6	.2	10.9
40-44 years old	7,366	509	6,025	35	797	100.0	6.9	81.8	.5	10.8
45-54 years old	11,151	658	9,379	129	985	100.0	5.9	84.1	1.2	8.8
55-64 years old	10,277	591	8,641	293	752	100.0	5.8	84.1	2.9	7.3
65-74 years old	7,608	354	6,200	685	368	100.0	4.7	81.5	9.0	4.8
75 years old and over	3,970	172	2,731	937	129	100.0	4.3	68.8	23.6	3.2
Female	**91,901**	**17,097**	**55,639**	**11,123**	**8,041**	**100.0**	**18.6**	**60.5**	**12.1**	**8.7**
18-19 years old	3,574	3,208	355	-	12	100.0	89.8	9.9	-	.3
20-24 years old	9,859	5,990	3,546	8	315	100.0	60.8	36.0	.1	3.2
25-29 years old	10,942	3,152	6,926	35	830	100.0	28.8	63.3	.3	7.6
30-34 years old	10,552	1,545	7,744	84	1,178	100.0	14.6	73.4	.8	11.2
35-39 years old	9,423	796	7,229	118	1,280	100.0	8.4	76.7	1.3	13.6
40-44 years old	7,580	483	5,802	184	1,111	100.0	6.4	76.7	2.4	14.5
45-54 years old	11,866	528	9,095	689	1,554	100.0	4.5	76.6	5.8	13.1
55-64 years old	11,605	485	8,138	1,935	1,046	100.0	4.2	70.1	16.7	9.0
65-74 years old	9,624	460	5,100	3,529	531	100.0	4.8	53.0	36.7	5.5
75 years old and over	6,773	435	1,615	4,541	182	100.0	6.4	23.8	67.0	2.7

- Represents zero or rounds to zero.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-20, No. 423.

No. 50. Marital Status of the Population, by Sex: 1970 to 1987

[In millions, except percent. As of March. Persons 18 years old and over. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey, see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series A 160-171, for decennial data]

MARITAL STATUS AND SEX	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**132.5**	**143.2**	**150.7**	**153.3**	**159.5**	**162.1**	**164.7**	**167.1**	**169.5**	**171.4**	**173.7**	**175.6**
Single	21.4	25.1	29.1	30.6	32.3	33.2	34.4	35.9	36.9	36.9	37.6	38.2
Married	95.0	99.7	101.0	101.5	104.6	105.3	106.2	106.7	107.1	107.9	109.2	110.5
Widowed	11.8	11.9	12.0	12.4	12.7	12.8	12.7	12.8	13.2	13.5	13.4	13.2
Divorced	4.3	6.5	8.6	8.8	9.9	10.8	11.5	11.6	12.3	13.1	13.5	13.6
Percent of total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Single	16.2	17.5	19.3	20.0	20.3	20.5	20.9	21.5	21.8	21.5	21.6	21.8
Married	71.7	69.6	67.0	66.2	65.5	64.9	64.5	63.9	63.2	63.0	62.9	62.9
Widowed	8.9	8.3	8.0	8.1	8.0	7.9	7.7	7.7	7.8	7.9	7.7	7.5
Divorced	3.2	4.6	5.7	5.8	6.2	6.7	7.0	6.9	7.3	7.6	7.8	7.8
Males, total	**62.5**	**67.9**	**71.5**	**72.7**	**75.7**	**76.9**	**78.1**	**79.3**	**80.5**	**81.5**	**82.8**	**83.7**
Single	11.8	14.1	16.1	17.0	18.0	18.4	19.1	19.9	20.5	20.5	20.9	21.1
Married	47.1	49.4	50.1	50.3	51.8	52.1	52.5	52.9	53.0	53.5	54.3	54.9
Widowed	2.1	1.8	1.9	1.9	2.0	1.9	1.9	1.9	2.1	2.1	2.2	2.1
Divorced	1.6	2.5	3.4	3.5	3.9	4.4	4.6	4.6	4.9	5.3	5.5	5.6
Percent of total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Single	18.9	20.8	22.5	23.3	23.8	23.9	24.5	25.1	25.5	25.2	25.3	25.3
Married	75.3	72.8	70.1	69.2	68.4	67.8	67.2	66.6	65.8	65.7	65.5	65.5
Widowed	3.3	2.7	2.7	2.7	2.6	2.5	2.4	2.4	2.6	2.6	2.6	2.5
Divorced	2.5	3.7	4.7	4.8	5.2	5.7	5.9	5.8	6.1	6.5	6.6	6.7
Percent standardized for age: [1]												
Single	16.5	16.6	17.9	18.6	18.7	18.9	19.5	20.1	20.8	21.1	21.5	21.8
Married	77.6	76.6	74.3	73.5	72.9	72.3	71.7	71.0	70.0	69.4	68.8	68.6
Widowed	3.3	2.8	2.8	2.8	2.7	2.7	2.5	2.5	2.6	2.7	2.7	2.6
Divorced	2.6	4.0	5.0	5.1	5.6	6.2	6.4	6.3	6.5	6.9	7.0	7.0
Females, total	**70.0**	**75.3**	**79.3**	**80.6**	**83.8**	**85.2**	**86.6**	**87.7**	**88.9**	**89.9**	**90.9**	**91.9**
Single	9.6	11.0	13.0	13.6	14.3	14.8	15.3	16.0	16.4	16.4	16.6	17.1
Married	47.9	50.3	50.9	51.2	52.8	53.2	53.6	53.8	54.1	54.4	54.9	55.6
Widowed	9.7	10.1	10.1	10.4	10.8	10.8	10.8	10.9	11.1	11.4	11.3	11.1
Divorced	2.7	4.0	5.3	5.4	6.0	6.4	6.9	7.0	7.4	7.8	8.1	8.0
Percent of total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Single	13.7	14.6	16.4	16.9	17.1	17.4	17.6	18.3	18.4	18.2	18.3	18.6
Married	68.5	66.7	64.2	63.5	63.0	62.4	61.9	61.4	60.8	60.4	60.5	60.5
Widowed	13.9	13.4	12.7	13.0	12.8	12.7	12.5	12.4	12.5	12.6	12.4	12.1
Divorced	3.9	5.3	6.6	6.6	7.1	7.6	8.0	7.9	8.3	8.7	8.9	8.7
Percent standardized for age: [1]												
Single	12.1	12.4	13.8	14.3	14.5	14.8	15.1	15.9	16.2	16.3	16.7	17.2
Married	70.8	69.2	67.0	66.3	65.9	65.3	64.7	64.1	63.4	62.8	62.5	62.5
Widowed	13.0	12.8	12.1	12.3	12.1	11.9	11.6	11.5	11.4	11.6	11.3	11.0
Divorced	4.1	5.6	7.1	7.1	7.6	8.1	8.5	8.5	8.9	9.3	9.5	9.3

[1] 1960 age distribution used as standard; standardization improves comparability over time by removing effects of changes in age distribution of population.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports.

No. 51. Percent Married and Divorced of the Population, by Sex and Race: 1970 to 1987

[As of March. Persons 18 years old and over. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1 and Appendix III]

SEX AND RACE	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Percent married:												
Male [1]	75.3	72.8	70.1	69.2	68.4	67.8	67.2	66.6	65.8	65.7	65.5	65.5
White	76.1	73.9	71.7	70.7	70.0	69.6	69.0	68.3	67.7	67.6	67.2	67.4
Black	66.9	62.7	57.6	55.7	54.6	53.5	53.1	52.2	50.6	50.7	51.7	50.9
Female [1]	68.5	66.7	64.2	63.5	63.0	62.4	61.9	61.4	60.8	60.4	60.5	60.5
White	69.3	68.0	65.9	65.2	64.7	64.1	63.7	63.3	62.8	62.7	62.4	62.5
Black	61.7	55.5	50.3	49.0	48.7	48.1	47.3	45.7	44.5	42.7	44.5	45.0
Percent divorced:												
Male [1]	2.5	3.7	4.7	4.8	5.2	5.7	5.9	5.8	6.1	6.5	6.6	6.7
White	2.4	3.6	4.5	4.5	5.0	5.5	5.7	5.7	6.0	6.4	6.6	6.6
Black	3.6	5.1	6.9	7.2	7.0	8.1	8.1	7.4	7.0	7.6	7.4	8.2
Female [1]	3.9	5.3	6.6	6.6	7.1	7.6	8.0	7.9	8.3	8.7	8.9	8.7
White	3.8	5.0	6.3	6.4	6.8	7.2	7.8	7.6	8.0	8.5	8.6	8.5
Black	5.0	7.5	9.3	8.9	9.5	10.3	9.6	10.5	11.0	11.0	11.6	11.2

[1] Includes other races, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports.

No. 52. Single (Never-Married) Persons as Percent of Total Population, by Age and Sex: 1970 to 1987

[As of March. Persons 18 years old and over. Based on Current Population Survey; see headnote, table 49]

AGE	MALE					FEMALE				
	1970	1975	1980	1985	1987	1970	1975	1980	1985	1987
Total	**18.9**	**20.8**	**23.8**	**25.2**	**25.3**	**13.7**	**14.6**	**17.1**	**18.2**	**18.6**
18-19 years old	92.8	93.1	94.3	97.1	96.8	75.6	77.7	82.8	86.7	89.8
20-24 years old	54.7	59.9	68.8	75.6	77.7	35.8	40.3	50.2	58.5	60.8
25-29 years old	19.1	22.3	33.1	38.7	42.2	10.5	13.8	20.9	26.4	28.8
30-34 years old	9.4	11.1	15.9	20.8	23.1	6.2	7.5	9.5	13.5	14.8
35-39 years old	7.2	8.6	7.8	10.1	12.4	5.4	5.0	6.2	8.1	8.4
40-44 years old	6.3	7.2	7.1	8.6	6.9	4.9	4.8	4.8	5.3	6.4
45-54 years old	7.5	6.3	6.1	6.3	5.9	4.9	4.6	4.7	4.6	4.5
55-64 years old	7.8	6.5	5.3	6.1	5.8	6.8	5.1	4.5	3.7	4.2
65 years old and over	7.5	4.7	4.9	5.3	4.5	7.7	5.8	5.9	5.1	5.5
65-74 years old	8.0	4.3	5.2	5.2	4.7	7.8	5.8	5.6	4.4	4.8
75 years old and over	6.6	5.5	4.2	5.3	4.3	7.5	5.8	6.3	6.2	6.4

No. 53. Divorced Persons per 1,000 Married Persons With Spouse Present, by Sex, Race, and Age: 1970 to 1987

[As of March. 1970 and 1975, persons 14 years old and over; beginning 1980, 15 years old and over. See headnote, table 51]

YEAR	Total	Male	Female	SEX AND YEAR	RACE		AGE			
					White	Black	15-29 years	30-44 years	45-64 years	65 years old and over
1970	47	35	60	Male: 1970	32	62	[1] 28	33	40	32
1975	69	54	84	1980	74	149	78	104	70	48
1980	100	79	120	1985	96	179	100	138	93	49
1983	114	91	137	1987	102	164	101	137	100	57
1984	121	96	146	Female: 1970	56	104	[1] 46	61	66	69
1985	128	103	153	1980	110	258	108	147	112	89
1986	131	106	157	1985	142	326	117	190	151	111
1987	130	107	154	1987	142	317	116	184	159	111

[1] 14-29 years.

Source of tables 52 and 53: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports.

No. 54. Marital Status of the Black and Hispanic Populations: 1970 to 1987

[In thousands, except percent. As of March, except as noted. Black population: Persons 18 years old and over. Hispanic population: 1970, persons 14 years old and over; thereafter, 18 years old and over. Except as noted, based on Current Population Survey; see headnote, table 49]

MARITAL STATUS	TOTAL				MALE				FEMALE			
	1970	1980	1985	1987	1970	1980	1985	1987	1970	1980	1985	1987
BLACK												
Total	**12,972**	**16,638**	**18,607**	**19,242**	**5,898**	**7,416**	**8,325**	**8,627**	**7,074**	**9,222**	**10,281**	**10,615**
Single	2,668	5,070	6,439	6,583	1,435	2,540	3,149	3,220	1,233	2,530	3,290	3,363
Married	8,310	8,545	8,611	9,172	3,944	4,051	4,217	4,392	4,366	4,494	4,394	4,781
Widowed	1,427	1,627	1,791	1,594	307	308	324	309	1,120	1,319	1,468	1,286
Divorced	567	1,396	1,764	1,892	212	517	636	706	356	878	1,128	1,186
Percent of total:												
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Single	20.6	30.5	34.6	34.2	24.3	34.3	37.8	37.3	17.4	27.4	32.0	31.7
Married	64.1	51.4	46.3	47.7	66.9	54.6	50.7	50.9	61.7	48.7	42.7	45.0
Widowed	11.0	9.8	9.6	8.3	5.2	4.2	3.9	3.6	15.8	14.3	14.3	12.1
Divorced	4.4	8.4	9.5	9.8	3.6	7.0	7.6	8.2	5.0	9.5	11.0	11.2
HISPANIC [1]												
Total	**5,872**	**7,888**	**10,848**	**12,111**	**2,838**	**3,787**	**5,322**	**6,014**	**3,033**	**4,101**	**5,526**	**6,098**
Single	1,718	1,901	2,769	3,160	914	1,035	1,640	1,874	804	865	1,128	1,285
Married	3,666	5,176	6,799	7,507	1,801	2,541	3,272	3,652	1,864	2,635	3,525	3,855
Widowed	287	350	553	515	56	60	124	106	231	291	430	408
Divorced	201	460	727	929	67	151	285	380	134	310	442	549
Percent of total:												
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Single	29.3	24.1	25.5	26.1	32.2	27.3	30.8	31.2	26.5	21.1	20.4	21.1
Married	62.4	65.6	62.7	62.0	63.5	67.1	61.5	60.7	61.5	64.3	63.8	63.2
Widowed	4.9	4.4	5.1	4.3	2.0	1.6	2.3	1.8	7.6	7.1	7.8	6.7
Divorced	3.4	5.8	6.7	7.7	2.3	4.0	5.4	6.3	4.4	7.6	8.0	9.0

[1] Hispanic persons may be of any race. 1970 data as of April.

Source: U.S. Bureau of the Census, *Census of Population: 1970, PC(2)1C, Persons of Spanish Origin; Current Population Reports*, series P-20, No. 423 and earlier reports; and unpublished data.

NO. 55. INTERRACIAL MARRIED COUPLES: 1970 TO 1987

[In thousands. 1970 data as of April; 1980 and 1987 data as of March. 1970, persons 14 years old and over; 1980 and 198 persons 15 years old and over. 1980 and 1987 based on Current Population Survey; see headnote, table 49]

ITEM	1970	1980	1987	ITEM	1970	1980	198
Total married couples	**44,597**	**49,714**	**52,286**	**Other interracial married couples**	**245**	**484**	**63**
Interracial married couples	310	651	799	Husband Black	8	20	3
All Black-White married couples	65	167	177	Wife Black	4	14	
Husband Black, wife White	41	122	121	Husband White	139	287	35
Wife Black, husband White	24	45	56	Wife White	94	163	22

Source: U.S. Bureau of the Census, *Census of Population: 1970, Marital Status*, PC(2)-4C; *Current Population Reports* series P-20, No. 424 and earlier reports.

NO. 56. UNMARRIED COUPLES, BY SELECTED CHARACTERISTICS, 1970 TO 1987, AND BY MARITAL STATUS OF PARTNERS, 1987

[In thousands. As of March, except 1970, as of April. An "unmarried couple" is two unrelated adults of the opposite sex sharing the same household. See headnote, table 58]

PRESENCE OF CHILDREN AND AGE OF HOUSEHOLDER	1970	1980	1985	1987	MARITAL STATUS OF MALE	Total	MARITAL STATUS OF FEMALE			
							Never married	Divorced	Widowed	Married, husband absent
Unmarried couples	**523**	**1,589**	**1,983**	**2,334**	**Total, 1987**	**2,334**	**1,286**	**731**	**171**	**146**
No children under 15 yr.	[1] 327	1,159	1,380	1,614	Never married	1,315	950	269	60	37
Some children under 15 yr.	[1] 196	431	603	720	Divorced	762	261	389	46	65
Under 25 yr. old	55	411	425	524	Widowed	88	11	24	46	7
25–44 yr. old	103	837	1,203	1,414	Married, wife absent	169	63	49	20	38
45–64 yr. old	186	221	239	252						
65 yr. old and over	178	119	116	143						

[1] Children in unmarried-couple households are under 14 years old.

Source: U.S. Bureau of the Census, *1970 Census of Population*, vol. II, part 4B, and *Current Population Reports*, series P-20, No. 423 and earlier reports.

NO. 57. HOUSEHOLDER AND MARITAL STATUS OF POPULATION, 15 YEARS OLD AND OVER: 1987

[In thousands, except percent. As of March. See headnote, table 51]

HOUSEHOLDER AND MARITAL STATUS	Total, 15 yrs. and over [1]	MALE					FEMALE				
		Total [1]	20–24 years	25–44 years	45–64 years	65 yr. and over	Total [1]	20–24 years	25–44 years	45–64 years	65 yr. and over
Total persons	**186,688**	**89,368**	**9,499**	**37,671**	**21,428**	**11,578**	**97,320**	**9,859**	**38,597**	**23,472**	**16,397**
Householder	89,479	61,735	2,884	28,861	19,304	10,487	27,744	1,915	10,346	6,774	8,511
Single	12,071	5,985	1,224	3,514	734	391	6,086	1,356	3,365	601	603
Married, spouse present	51,537	46,573	1,523	22,405	16,371	8,197	2,964	239	1,630	817	260
Married, spouse absent	4,206	1,569	59	815	506	188	2,636	152	1,535	709	227
Widowed	11,291	1,721	–	41	363	1,317	9,570	5	362	2,385	6,819
Divorced	10,374	3,887	77	2,087	1,331	393	6,487	164	3,455	2,261	603
Not householder	97,209	27,634	6,615	8,809	2,124	1,091	69,575	7,944	28,252	16,698	7,887
Single	37,114	20,801	6,155	5,058	514	135	16,313	4,634	2,622	411	295
Married, spouse present	53,035	3,713	277	1,986	960	479	49,322	2,999	24,203	15,566	6,165
Married, spouse absent	1,847	1,021	106	639	183	67	825	158	423	141	62
Widowed	1,952	399	11	25	59	305	1,553	3	59	239	1,252
Divorced	3,261	1,699	66	1,121	406	104	1,562	151	944	342	111
PERCENT DISTRIBUTION											
Total persons	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Householder	47.9	69.1	30.4	76.6	90.1	90.6	28.5	19.4	26.8	28.9	51.9
Single	6.5	6.7	12.9	9.3	3.4	3.4	6.3	13.8	8.7	2.6	3.7
Married, spouse present	27.6	54.4	16.0	59.5	76.4	70.8	3.0	2.4	4.2	3.5	1.6
Married, spouse absent	2.3	1.8	.6	2.2	2.4	1.6	2.7	1.5	4.0	3.0	1.4
Widowed	6.0	1.9	–	.1	1.7	11.4	9.8	.1	.9	10.2	41.6
Divorced	5.6	4.3	.8	5.5	6.2	3.4	6.7	1.7	9.0	9.6	3.7
Not householder	52.1	30.9	69.6	23.4	9.9	9.4	71.5	80.6	73.2	71.1	48.1
Single	19.9	23.3	64.8	13.4	2.4	1.2	16.8	47.0	6.8	1.8	1.8
Married, spouse present	28.4	4.2	2.9	5.2	4.5	4.1	50.7	30.4	62.7	66.3	37.6
Married, spouse absent	1.0	1.1	1.1	1.7	.9	.6	.8	1.6	1.1	.6	.4
Widowed	1.0	.4	.1	.1	.3	2.6	1.6	–	.2	1.0	7.6
Divorced	1.7	1.9	.7	3.0	1.9	.9	1.6	1.5	2.4	1.5	.7

– Represents or rounds to zero. [1] Includes 15–19 year olds.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports.

No. 58. Households, Families, Subfamilies, Married Couples, and Unrelated Individuals: 1960 to 1988

[**In thousands, except as indicated.** As of **March.** Based on Current Population Survey; includes members of Armed Forces living off post or with their families on post, but excludes all other members of Armed Forces; see text, section 1 and Appendix III. For definition of terms, see text, section 1. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970,* series A 288-319]

TYPE OF UNIT	1960	1970	1975	1980	1984	1985	1986	1987	1988	PERCENT CHANGE 1970-1980	PERCENT CHANGE 1980-1988
Households	**52,799**	**63,401**	**71,120**	**80,776**	**85,407**	**86,789**	**88,458**	**89,479**	**91,061**	**27.4**	**12.7**
Average size	3.33	3.14	2.94	2.76	2.71	2.69	2.67	2.66	2.64	(X)	(X)
Family households	44,905	51,456	55,563	59,550	61,997	62,706	63,558	64,491	65,133	15.7	9.4
Married couple	39,254	44,728	46,951	49,112	50,090	50,350	50,933	51,537	51,809	9.8	5.5
Male householder [1]	1,228	1,228	1,485	1,733	2,030	2,228	2,414	2,510	2,715	41.1	56.7
Female householder [1]	4,422	5,500	7,127	8,705	9,878	10,129	10,211	10,445	10,608	58.3	21.9
Nonfamily households	7,895	11,945	15,557	21,226	23,410	24,082	24,900	24,988	25,929	77.7	22.2
Male householder	2,716	4,063	5,912	8,807	9,752	10,114	10,648	10,652	11,305	116.8	28.4
Female householder	5,179	7,882	9,645	12,419	13,658	13,968	14,252	14,336	14,623	57.6	17.7
One person	6,896	10,851	13,939	18,296	19,954	20,602	21,178	21,128	21,884	68.6	19.6
Families	**45,111**	**51,586**	**55,712**	**59,550**	**61,997**	**62,706**	**63,558**	**64,491**	**65,133**	**15.4**	**9.4**
Average size	3.67	3.58	3.42	3.29	3.24	3.23	3.21	3.19	3.17	(X)	(X)
Married couple	39,329	44,755	46,971	49,112	50,090	50,350	50,933	51,537	51,809	9.7	5.5
Male householder [1]	1,275	1,239	1,499	1,733	2,030	2,228	2,414	2,510	2,715	39.9	56.7
Female householder [1]	4,507	5,591	7,242	8,705	9,878	10,129	10,211	10,445	10,608	55.7	21.9
Unrelated subfamilies	**207**	**130**	**149**	**360**	**504**	**526**	**505**	**566**	**537**	**176.9**	**49.2**
Married couple	75	27	20	20	53	46	45	37	38	(B)	(B)
Male reference persons [1]	47	11	14	36	63	85	63	77	46	(B)	(B)
Female reference persons [1]	85	91	115	304	388	395	397	452	452	234.1	48.7
Related subfamilies	**1,514**	**1,150**	**1,349**	**1,150**	**2,198**	**2,228**	**2,256**	**2,286**	**2,396**	-	**108.3**
Married couple	871	617	576	582	722	719	726	712	765	–5.7	31.4
Father-child [1]	115	48	69	54	113	116	131	123	152	(B)	(B)
Mother-child [1]	528	484	705	512	1,363	1,392	1,399	1,451	1,479	5.8	188.9
Married couples	**40,200**	**45,373**	**47,547**	**49,714**	**50,864**	**51,114**	**51,704**	**52,286**	**52,613**	**9.6**	**5.8**
With own household	39,254	44,728	46,951	49,112	50,090	50,350	50,933	51,537	51,809	9.8	5.5
Without own household	946	645	596	602	775	764	771	749	803	–6.7	33.4
Percent without	2.4	1.4	1.3	1.2	1.5	1.5	1.5	1.4	1.5	(X)	(X)
Unrelated individuals	**11,092**	**14,988**	**19,100**	**26,426**	**29,497**	**30,518**	**31,506**	**31,914**	**33,120**	**76.3**	**25.3**
Nonfamily householders	7,895	11,945	15,557	21,226	23,410	24,082	24,900	24,988	25,929	77.7	22.2
Secondary individuals	3,198	3,043	3,543	5,200	6,087	6,436	6,606	6,926	7,191	70.9	38.3
Male	1,746	1,631	2,087	3,006	3,531	3,743	3,764	3,947	4,081	84.3	35.8
Female	1,451	1,412	1,456	2,194	2,556	2,693	2,842	2,978	3,110	55.4	41.8

- Represents zero. B Not shown; base less than 75,000. X Not applicable. [1] No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-20, No. 432.

No. 59. Households, by Type—Projections: 1989 to 2000

[**In thousands.** As of **July.** Series A reflects the assumption that the recent moderation in marriage and divorce trends will continue but that historical changes spanning the last 25 years must be taken into consideration. Series A assumes a continuation of past trends in householder proportions but changes in recent years are given more weight. Series B reflects assumptions intermediate between series A and C, namely changes in marriage and divorce will slow considerably, but will not cease during the next 15 years. Series C reflects the assumption that the rapid change in marriage and divorce may have come to an end, and householder proportions will remain constant for the next 15 years]

YEAR AND SERIES	Total	FAMILY				NONFAMILY		
		Total	Married couple	Male householder [1]	Female householder [1]	Total	Male householder	Female householder
1989: Series A	93,622	65,403	51,521	2,616	11,266	28,219	12,403	15,816
Series B	92,847	66,034	52,554	2,506	10,972	26,814	11,583	15,231
Series C	92,126	66,653	53,562	2,410	10,681	25,473	10,802	14,671
1990: Series A	95,243	65,964	51,704	2,723	11,538	29,279	13,008	16,270
Series B	94,227	66,758	53,012	2,581	11,165	27,469	11,946	15,523
Series C	93,297	67,535	54,282	2,455	10,798	25,762	10,949	14,814
1995: Series A	102,785	68,220	52,178	3,276	12,765	34,565	16,102	18,463
Series B	100,308	69,787	54,863	2,940	11,984	30,520	13,666	16,854
Series C	98,180	71,294	57,410	2,667	11,217	26,887	11,490	15,396
2000: Series A	110,217	70,024	52,263	3,845	13,916	40,193	19,471	20,722
Series B	105,933	72,277	56,294	3,282	12,701	33,656	15,452	18,204
Series C	102,440	74,449	60,080	2,855	11,515	27,991	11,985	16,006

[1] With no spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-25, No. 986.

No. 60. White, Black and Hispanic Households, by Type: 1970 to 1987

[As of March, except as noted. Based on Current Population Survey, except as noted; see headnote, table 58. See also *Historical Statistics, Colonial Times to 1970*, series A 292-295 and A 320-334]

CHARACTERISTIC	NUMBER (1,000)					PERCENT DISTRIBUTION				
	1970	1975	1980	1985	1987	1970	1975	1980	1985	1987
WHITE										
Total	56,602	62,945	70,766	75,328	77,284	100.0	100.0	100.0	100.0	100.0
Family households	46,166	49,334	52,243	54,400	55,676	81.6	78.4	73.8	72.2	72.0
Married couple	41,029	42,951	44,751	45,643	46,410	72.5	68.2	63.2	60.6	60.1
Male householder [1]	1,038	1,257	1,441	1,816	2,038	1.8	2.0	2.0	2.4	2.6
Female householder [1]	4,099	5,126	6,052	6,941	7,227	7.2	8.1	8.6	9.2	9.4
Nonfamily households	10,436	13,612	18,522	20,928	21,608	18.4	21.6	26.2	27.8	28.0
Male householder	3,406	5,036	7,499	8,608	9,034	6.0	8.0	10.6	11.4	11.7
Female householder	7,030	8,574	11,023	12,320	12,574	12.4	13.6	15.6	16.4	16.3
BLACK										
Total	6,223	7,262	8,586	9,480	9,922	100.0	100.0	100.0	100.0	100.0
Family households	4,856	5,469	6,184	6,778	7,096	78.0	75.3	72.0	71.5	71.5
Married couple	3,317	3,343	3,433	3,469	3,742	53.3	46.0	40.0	36.6	37.7
Male householder [1]	181	211	256	344	386	2.9	2.9	3.0	3.6	3.9
Female householder [1]	1,358	1,915	2,495	2,964	2,967	21.8	26.4	29.1	31.3	29.9
Nonfamily households	1,367	1,793	2,402	2,703	2,826	22.0	24.7	28.0	28.5	28.5
Male householder	564	791	1,146	1,244	1,313	9.1	10.9	13.3	13.1	13.2
Female householder	803	1,002	1,256	1,459	1,513	12.9	13.8	14.6	15.4	15.2
HISPANIC [2]										
Total	2,303	(NA)	3,684	4,883	5,418	100.0	(NA)	100.0	100.0	100.0
Family households	2,004	(NA)	3,029	3,939	4,403	87.0	(NA)	82.2	80.7	81.3
Married couple	1,615	(NA)	2,282	2,824	3,118	70.1	(NA)	61.9	57.8	57.5
Male householder [1]	82	(NA)	138	210	253	3.6	(NA)	3.7	4.3	4.7
Female householder [1]	307	(NA)	610	905	1,032	13.3	(NA)	16.6	18.5	19.0
Nonfamily households	299	(NA)	654	944	1,015	13.0	(NA)	17.8	19.3	18.7
Male householder	150	(NA)	365	509	521	6.5	(NA)	9.9	10.4	9.6
Female householder	148	(NA)	289	435	494	6.4	(NA)	7.8	8.9	9.1

NA Not available [1] No spouse present. [2] Hispanic persons may be of any race. 1970 data as of April.

Source: U.S. Bureau of the Census, *Census of Population: 1970, Persons of Spanish Origin*, PC(2)-1C; *Current Population Reports*, series P-20, No. 424 and earlier reports.

No. 61. Households by Characteristic of Householder and Size of Household: 1970 to 1987

[As of March. Based on Current Population Survey; see headnote, table 58. See also *Historical Statistics, Colonial Times to 1970*, series A 335-348]

CHARACTERISTIC OF HOUSEHOLDER AND SIZE OF HOUSEHOLD	NUMBER (mil.)							PERCENT DISTRIBUTION				
	1970	1975	1980	1984	1985	1986	1987	1970	1975	1980	1985	1987
Total [1]	63.4	71.1	80.8	85.4	86.8	88.5	89.5	100.0	100.0	100.0	100.0	100.0
Age of householder:												
15-24 years old [2]	4.4	5.8	6.6	5.5	5.4	5.5	5.2	6.8	8.2	8.1	6.3	5.8
25-29 years old	6.1	7.8	9.3	9.8	9.6	9.8	9.7	9.6	11.0	11.5	11.1	10.8
30-34 years old	5.6	7.1	9.3	10.0	10.4	10.6	10.9	8.8	10.0	11.5	12.0	12.1
35-44 years old	11.8	11.9	14.0	16.6	17.5	18.0	18.7	18.6	16.7	17.3	20.1	20.9
45-54 years old	12.2	12.9	12.7	12.5	12.6	13.1	13.2	19.5	18.2	15.7	14.6	14.8
55-64 years old	10.8	11.3	12.5	13.1	13.1	12.9	12.9	17.1	15.9	15.5	15.1	14.4
65-74 years old	7.7	8.9	10.1	10.7	10.9	11.2	11.3	12.1	12.5	12.5	12.6	12.6
75 years old and over	4.8	5.4	6.4	7.2	7.3	7.4	7.7	7.6	7.6	7.9	8.4	8.7
Male	50.0	54.3	58.0	59.4	60.0	61.0	61.7	78.9	76.4	71.8	69.2	69.0
Female	13.4	16.8	22.8	26.0	26.8	27.4	27.7	21.1	23.6	28.2	30.8	31.0
White	56.6	62.9	70.8	74.4	75.3	76.6	77.3	89.5	88.5	87.6	86.8	86.4
Black	6.2	7.3	8.6	9.2	9.5	9.8	9.9	9.8	10.2	10.6	10.9	11.1
Hispanic [3]	(NA)	(NA)	3.7	4.3	4.9	5.2	5.4	(NA)	(NA)	4.6	5.6	6.1
1 person	10.9	13.9	18.3	20.0	20.6	21.2	21.1	17.1	19.6	22.7	23.7	23.6
Male	3.5	4.9	7.0	7.5	7.9	8.3	8.2	5.5	6.9	8.7	9.1	9.2
Female	7.3	9.0	11.3	12.4	12.7	12.9	12.9	11.5	12.7	14.0	14.6	14.4
2 persons	18.3	21.8	25.3	26.9	27.4	27.7	28.6	28.9	30.6	31.4	31.6	32.0
3 persons	10.9	12.4	14.1	15.1	15.5	16.1	16.2	17.3	17.4	17.5	17.8	18.1
4 persons	10.0	11.1	12.7	13.6	13.6	13.8	14.0	15.8	15.6	15.7	15.7	15.6
5 persons	6.5	6.4	6.1	6.1	6.1	6.3	6.2	10.3	9.0	7.5	7.0	6.9
6 persons	3.5	3.1	2.5	2.4	2.3	2.1	2.2	5.6	4.3	3.1	2.6	2.4
7 persons or more	3.2	2.5	1.8	1.4	1.3	1.3	1.3	5.0	3.5	2.2	1.5	1.4

NA Not available. [1] Includes other races, not shown separately. [2] 1970 and 1975, persons 14 to 24 years old. [3] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 424 and earlier reports; and unpublished data.

NO. 62. HOUSEHOLD CHARACTERISTICS, BY RACE, HISPANIC ORIGIN AND TYPE: 1987

[As of **March**. Based on Current Population Survey; see headnote, table 58. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	NUMBER OF HOUSEHOLDS (1,000)							PERCENT DISTRIBUTION							PERSONS PER HOUSEHOLD		
				Family households							Family households						
	Total	Black	Hispanic [1]	Total [2]	Married couple	Female householder [3]	Nonfamily households	Total	Black	Hispanic [1]	Total [2]	Married couple	Female householder [3]	Nonfamily households	Total	Black	Hispanic [1]
Total	**89,479**	**9,922**	**5,418**	**64,491**	**51,537**	**10,445**	**24,988**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**2.66**	**2.91**	**3.42**
Age of householder:																	
15-24 years old	5,197	871	524	2,939	1,858	843	2,258	5.8	8.8	9.7	4.6	3.6	8.1	9.0	2.31	2.62	3.00
25-29 years old	9,652	1,159	845	6,695	5,170	1,257	2,957	10.8	11.7	15.6	10.4	10.0	12.0	11.8	2.65	2.92	3.31
30-34 years old	10,850	1,382	806	8,417	6,708	1,480	2,433	12.1	13.9	14.9	13.1	13.0	14.0	9.7	3.08	3.20	3.77
35-44 years old	18,704	2,109	1,300	15,476	12,157	2,675	3,228	20.9	21.3	24.0	24.0	23.6	25.6	12.9	3.37	3.44	3.97
45-54 years old	13,211	1,604	807	10,998	8,947	1,614	2,213	14.8	16.2	14.9	17.1	17.4	15.5	8.9	3.07	3.15	3.70
55-64 years old	12,868	1,301	589	9,738	8,240	1,196	3,130	14.4	13.1	10.9	15.1	16.0	11.5	12.5	2.37	2.56	2.98
65-74 years old	11,250	1,036	354	6,937	5,935	772	4,313	12.6	10.5	6.5	10.8	11.5	7.4	17.3	1.88	2.34	2.39
75 years old and over	7,748	858	192	3,292	2,522	628	4,456	8.7	6.6	3.5	5.1	4.9	6.0	17.8	1.57	1.90	2.09
Region:																	
Northeast	18,873	1,766	1,097	13,367	10,504	2,262	5,505	21.1	17.8	20.2	20.7	20.4	21.7	22.0	2.62	2.79	3.11
Midwest	21,973	1,905	325	15,844	12,817	2,456	6,129	24.6	19.2	6.0	24.6	24.9	23.5	24.5	2.67	2.88	3.54
South	30,620	5,306	1,785	22,536	17,964	3,824	8,084	34.2	53.5	32.9	34.9	34.9	36.6	32.4	2.66	3.02	3.34
West	18,014	945	2,211	12,744	10,252	1,900	5,269	20.1	9.5	40.8	19.8	19.9	18.2	21.1	2.70	2.61	3.63
Size of household:																	
One person	21,128	2,499	810	(x)	(x)	(x)	21,128	23.6	25.2	15.0	(x)	(x)	(x)	84.6	1.00	1.00	1.00
Two persons	28,602	2,440	1,170	25,519	19,645	4,501	3,084	32.0	24.6	21.6	39.6	38.1	43.1	12.3	2.00	2.00	2.00
Three persons	16,159	1,951	1,048	15,667	11,713	3,257	492	18.1	19.7	19.3	24.3	22.7	31.2	2.0	3.00	3.00	3.00
Four persons	13,984	1,500	1,132	13,783	12,013	1,532	200	15.6	15.1	20.9	21.4	23.3	14.7	.8	4.00	4.00	4.00
Five persons	6,162	797	695	6,097	5,330	645	66	6.9	8.0	12.8	9.5	10.3	6.2	.3	5.00	5.00	5.00
Six persons	2,176	374	307	2,165	1,833	282	10	2.4	3.8	5.7	3.4	3.6	2.7	(Z)	6.00	6.00	6.00
Seven persons or more	1,268	361	257	1,259	1,002	228	8	1.4	3.6	4.7	2.0	1.9	2.2	(Z)	7.89	8.19	8.08
Marital status of householder:																	
Single (never married)	12,071	2,202	781	2,932	(x)	2,155	9,138	13.5	22.2	14.4	4.5	(x)	20.6	36.6	1.78	2.41	2.50
Married, spouse present	51,537	3,742	3,118	51,537	51,537	(x)	(x)	57.6	37.7	57.5	79.9	100.0	(x)	(x)	3.27	3.08	4.03
Married, spouse absent	4,206	1,136	543	2,221	(x)	1,831	1,985	4.7	11.4	10.0	3.4	(x)	17.5	7.9	2.33	2.88	2.96
Separated	3,292	990	426	1,902	(x)	1,595	1,390	3.7	10.0	7.9	2.9	(x)	15.3	5.6	2.47	2.76	3.03
Widowed	11,291	1,373	350	3,043	(x)	2,604	8,248	12.6	13.8	6.5	4.7	(x)	24.9	33.0	1.56	2.31	2.36
Divorced	10,374	1,468	625	4,758	(x)	3,854	5,616	11.6	14.8	11.5	7.4	(x)	38.9	22.5	2.03	2.44	2.53
Tenure:																	
Owner occupied	57,258	4,505	2,198	46,287	40,057	4,755	10,972	64.0	45.4	40.6	71.8	77.7	45.5	43.9	2.82	3.17	3.72
Renter occupied	32,221	5,417	3,220	18,205	11,480	5,690	14,016	36.0	54.6	59.4	28.2	22.3	54.5	56.1	2.39	2.70	3.22

X Not applicable. Z Less than .05 percent. [1] Hispanic persons may be of any race. [2] Includes male householder, no spouse present. [3] No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 424 and series P-60, No. 159.

NO. 63. HOUSEHOLDS—STATES: 1980 TO 1987

[1980, as of **April 1; thereafter,** as of **July 1.** For definition of household, see text, section 1. For composition of regions, see fig. inside front cover]

REGION, DIVISION, AND STATE	NUMBER (1,000)			PERSONS PER HOUSEHOLD	
	1980	**1985**	**1987**	**1980**	**1987**
U.S.	**80,390**	**87,489**	**90,031**	**2.75**	**2.64**
Region:					
Northeast	17,471	18,424	18,768	2.74	2.61
Midwest	20,859	21,758	22,153	2.75	2.62
South	26,486	29,859	30,899	2.77	2.65
West	15,574	17,446	18,211	2.71	2.66
N. Eng.	**4,362**	**4,674**	**4,791**	**2.74**	**2.59**
ME	395	432	447	2.75	2.57
NH	323	366	391	2.75	2.61
VT	178	196	204	2.75	2.58
MA	2,033	2,156	2,190	2.72	2.58
RI	339	359	369	2.70	2.57
CT	1,094	1,165	1,189	2.76	2.62
Mid. Atl.	**13,109**	**13,749**	**13,976**	**2.74**	**2.61**
NY	6,340	6,634	6,722	2.70	2.58
NJ	2,549	2,740	2,807	2.84	2.68
PA	4,220	4,375	4,447	2.74	2.62
E. No. Cent.	**14,654**	**15,204**	**15,495**	**2.78**	**2.64**
OH	3,834	3,963	4,035	2.76	2.61
IN	1,927	2,011	2,049	2.77	2.63
IL	4,045	4,212	4,271	2.76	2.65
MI	3,195	3,266	3,355	2.84	2.68
WI	1,652	1,751	1,785	2.77	2.62
W. No. Cent.	**6,205**	**6,554**	**6,658**	**2.68**	**2.57**
MN	1,445	1,546	1,585	2.74	2.60
IA	1,053	1,074	1,072	2.68	2.55
MO	1,793	1,895	1,940	2.67	2.56
ND	228	248	247	2.75	2.62
SD	243	260	264	2.74	2.59
NE	571	605	608	2.66	2.54
KS	872	926	943	2.62	2.54

DIVISION AND STATE	NUMBER (1,000)			PERSONS PER HOUSEHOL	
	1980	**1985**	**1987**	**1980**	**19**
So. Atl.	**13,160**	**14,940**	**15,655**	**2.73**	**2.**
DE	207	227	238	2.79	2.
MD	1,461	1,587	1,656	2.82	2.
DC	253	248	248	2.40	2.
VA	1,863	2,076	2,171	2.77	2.
WV	686	710	707	2.79	2.
NC	2,043	2,294	2,390	2.78	2.
SC	1,030	1,154	1,199	2.93	2.
GA	1,872	2,138	2,258	2.84	2.
FL	3,744	4,506	4,787	2.55	2.4
E. So. Cent.	**5,051**	**5,438**	**5,580**	**2.83**	**2.6**
KY	1,263	1,344	1,366	2.82	2.6
TN	1,619	1,759	1,820	2.77	2.6
AL	1,342	1,444	1,483	2.84	2.6
MS	827	890	909	2.97	2.8
W. So. Cent.	**8,276**	**9,481**	**9,665**	**2.80**	**2.7**
AR	816	875	895	2.74	2.6
LA	1,412	1,556	1,566	2.91	2.7
OK	1,119	1,252	1,244	2.62	2.5
TX	4,929	5,797	5,960	2.82	2.7
Mt.	**3,986**	**4,589**	**4,780**	**2.73**	**2.70**
MT	284	305	303	2.70	2.60
ID	324	354	357	2.85	2.74
WY	166	182	177	2.78	2.72
CO	1,061	1,222	1,255	2.65	2.56
NM	441	510	533	2.90	2.77
AZ	957	1,143	1,240	2.79	2.66
UT	449	505	518	3.20	3.19
NV	304	368	397	2.59	2.49
Pac.	**11,587**	**12,859**	**13,431**	**2.68**	**2.65**
WA	1,541	1,691	1,761	2.61	2.51
OR	992	1,044	1,074	2.60	2.48
CA	8,630	9,619	10,076	2.68	2.68
AK	131	175	175	2.93	2.69
HI	294	330	345	3.15	3.02

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-25, No. 1024.

NO. 64. HOUSEHOLDS, 1980 AND 1987, AND PERSONS IN HOUSEHOLDS, 1987, BY TYPE OF HOUSEHOLD AND PRESENCE OF CHILDREN

[As of **March.** Based on Current Population Survey; see headnote, table 58. Minus sign (–) indicates decrease]

TYPE OF HOUSEHOLD AND PRESENCE OF CHILDREN	HOUSEHOLDS						PERSONS IN HOUSEHOLDS, 1987		Persons per household, 1987
	Number (1,000)		Change, 1980–1987		Percent distribution				
	1980	**1987**	Number (1,000)	Percent	**1980**	**1987**	Number (1,000)	Percent distribution	
Total households	**80,776**	**89,479**	**8,703**	**10.8**	**100.0**	**100.0**	**238,261**	**100.0**	**2.66**
Family households	59,550	64,491	4,941	8.3	73.7	72.1	207,772	87.2	3.22
With own children under 18	31,022	31,896	876	2.8	38.4	35.6	124,642	52.3	3.91
Without own children under 18	28,528	32,593	4,065	14.2	35.3	36.4	83,130	34.9	2.55
Married couple family	49,112	51,537	2,425	4.9	60.8	57.6	168,302	70.6	3.27
With own children under 18	24,961	24,645	–316	–1.3	30.9	27.5	102,134	42.8	4.14
Without own children under 18	24,151	26,892	2,741	11.3	29.9	30.1	66,168	27.8	2.46
Male householder, no spouse present	1,733	2,510	777	44.8	2.1	2.8	7,232	3.0	2.88
With own children under 18	616	955	339	55.0	.8	1.1	2,767	1.2	2.90
Without own children under 18	1,117	1,554	437	39.1	1.4	1.7	4,465	1.9	2.87
Female householder, no spouse present	8,705	10,445	1,740	20.0	10.8	11.7	32,238	13.5	3.09
With own children under 18	5,445	6,297	852	15.6	6.7	7.0	19,741	8.3	3.13
Without own children under 18	3,261	4,147	886	27.2	4.0	4.6	12,497	5.2	3.01
Nonfamily households	21,226	24,988	3,762	17.7	26.3	27.9	30,489	12.8	1.22
Living alone	18,236	21,128	2,892	15.5	22.7	23.6	21,128	8.9	1.00
Male householder	8,807	10,652	1,845	20.9	10.9	11.9	14,303	6.0	1.34
Living alone	6,966	8,246	1,280	18.4	8.6	9.2	8,246	3.5	1.00
Female householder	12,419	14,336	1,917	15.4	15.4	16.0	16,186	6.8	1.13
Living alone	11,330	12,881	1,551	13.7	14.0	14.4	12,881	5.4	1.00

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-20, No. 424 and earlier reports; and unpublished data.

No. 65. Living Arrangements of Persons 15 Years Old and Over, by Selected Characteristics: 1987

[As of **March**. Based on Current Population Survey which includes members of Armed Forces living off post or with families on post, but excludes other Armed Forces; see text, section 1 and Appendix III]

AGE AND SEX	ALL RACES [1]					WHITE PERSONS PERCENT LIVING—			BLACK PERSONS PERCENT LIVING—		
	Total (1,000)	Percent living—									
		Alone	With spouse	With other relatives	With nonrelatives	Alone	With spouse	With other relatives	Alone	With spouse	With other relatives
Total	**186,688**	**11.3**	**56.0**	**27.0**	**5.7**	**11.4**	**58.6**	**24.4**	**11.9**	**36.2**	**46.1**
15-19 years old	18,186	.5	2.8	93.5	3.2	.5	3.2	92.9	.4	.9	96.4
20-24 years old	19,358	6.0	26.0	54.8	13.2	6.3	28.5	51.5	4.5	12.8	73.7
25-44 years old	76,267	8.5	65.8	18.4	7.3	8.4	68.7	15.7	9.3	44.7	38.5
45-64 years old	44,901	10.8	75.1	11.4	2.7	10.2	77.8	9.6	17.4	51.6	26.4
65 years old and over	27,975	30.4	54.0	13.2	2.4	30.4	55.1	12.1	33.0	41.7	22.7
65-74 years old	17,232	24.1	63.7	10.2	2.0	23.9	65.2	9.0	29.0	47.4	20.7
75 years old and over	10,743	40.5	38.5	17.9	3.1	40.8	39.0	17.1	39.8	31.9	25.9
Male	**89,368**	**9.2**	**58.5**	**25.3**	**7.0**	**9.0**	**60.9**	**23.4**	**11.6**	**40.4**	**39.3**
15-19 years old	9,193	.4	1.2	95.6	2.8	.4	1.3	95.3	.4	.4	97.4
20-24 years old	9,499	6.6	18.9	60.1	14.3	6.9	20.8	57.8	4.6	9.3	75.1
25-44 years old	37,671	10.3	64.7	15.5	9.5	10.1	67.0	13.8	12.1	47.4	28.3
45-64 years old	21,428	8.9	80.9	6.9	3.4	8.1	82.9	6.1	17.1	61.2	14.3
65 years old and over	11,578	15.6	74.9	6.9	2.6	14.9	76.0	6.5	22.8	63.9	10.1
65-74 years old	7,608	12.3	79.7	5.6	2.5	11.7	81.1	5.0	20.0	65.9	9.9
75 years old and over	3,970	21.8	65.9	9.6	2.7	21.3	66.4	9.5	28.0	60.1	10.6
Female	**97,320**	**13.2**	**53.7**	**28.6**	**4.4**	**13.6**	**56.6**	**25.3**	**12.2**	**32.7**	**51.6**
15-19 years old	8,994	.5	4.5	91.3	3.6	.6	5.1	90.5	.4	1.3	95.6
20-24 years old	9,859	5.5	32.8	49.6	12.0	5.7	36.2	45.3	4.5	15.7	72.5
25-44 years old	38,597	6.8	66.9	21.2	5.0	6.8	70.5	17.6	7.0	42.4	47.1
45-64 years old	23,472	12.6	69.8	15.6	2.0	12.2	73.0	12.8	17.6	44.0	35.9
65 years old and over	16,397	40.9	39.2	17.6	2.3	41.4	40.2	16.1	39.8	26.7	31.1
65-74 years old	9,624	33.5	51.0	13.9	1.6	33.6	52.6	12.2	35.4	34.0	28.6
75 years old and over	6,773	51.5	22.4	22.8	3.3	52.1	23.1	21.5	46.7	15.3	34.9

[1] Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423.

No. 66. Living Arrangements of Young Adults: 1970 to 1987

[**1970** and **1980**, as of **April**. Beginning **1985**, as of **March** and based on Current Population Survey, see headnote, table 65]

LIVING ARRANGEMENTS AND SEX	PERSONS 18-24 YEARS OLD					PERSONS 25-34 YEARS OLD				
	1970	1980	1985	1986	1987	1970	1980	1985	1986	1987
Total (1,000)	**22,357**	**29,122**	**27,844**	**27,111**	**26,462**	**24,566**	**36,796**	**40,857**	**42,053**	**42,636**
Percent distribution:										
Child of householder [1]	47.3	48.4	53.6	52.6	54.3	8.0	8.7	10.6	11.1	11.1
Family householder or spouse	37.9	28.9	24.3	24.9	23.3	82.8	72.3	67.9	66.6	66.6
Nonfamily householder	4.8	9.5	8.2	8.5	8.5	4.9	12.0	12.9	13.1	12.6
Other	10.0	13.2	13.8	14.0	14.0	4.3	7.0	8.6	9.2	9.7
Male (1,000)	**10,398**	**14,278**	**13,695**	**13,324**	**13,029**	**11,929**	**18,107**	**20,184**	**20,956**	**21,142**
Percent distribution:										
Child of householder [1]	54.3	54.3	59.7	58.8	61.3	9.5	10.5	13.3	14.2	14.5
Family householder or spouse	30.0	21.3	16.4	17.1	15.3	79.3	66.4	60.1	58.2	58.1
Nonfamily householder	5.4	11.1	9.6	9.5	9.5	6.5	15.3	16.1	16.6	15.7
Other	10.3	13.3	14.3	14.6	14.0	4.8	7.9	10.5	10.9	11.7
Female (1,000)	**11,959**	**14,844**	**14,149**	**13,787**	**13,433**	**12,637**	**18,689**	**20,673**	**21,097**	**21,494**
Percent distribution:										
Child of householder [1]	41.3	42.7	47.8	46.7	47.5	6.6	7.0	8.0	8.0	7.7
Family householder or spouse	44.7	36.2	32.0	32.4	31.2	86.1	78.1	75.5	74.9	74.9
Nonfamily householder	4.2	8.1	6.9	7.5	7.5	3.5	8.8	9.7	9.6	9.7
Other	9.7	13.1	13.3	13.4	13.9	3.9	6.2	6.7	7.5	7.7

[1] Includes unmarried college students living in dormitories.

Source: U.S. Bureau of the Census, *1970* and *1980 Census of Population*, PC(2)-4B and *Current Population Reports*, series P-20, No. 423 and earlier reports.

No. 67. Family Groups With Children Under 18, by Race and Type: 1970 to 1987

[As of March. Based on Current Population Survey; see headnote, table 56. For definition of family types, see text, section 1]

PRESENCE OF PARENTS AND MARITAL STATUS	1970, total (1,000)	1985, total (1,000)	1987									
			Number (1,000)			Percent distribution			Percent, by type			
			Total [1]	White	Black	Total [1]	White	Black	All family groups	Family house-holds	Re-lated sub-fami-lies	Un-re-lated sub-fami-lies
Total with children under 18	**29,631**	**32,150**	**34,242**	**28,180**	**4,963**	**100.0**	**100.0**	**100.0**	**100.0**	**93.2**	**5.6**	**1.2**
Two-parent family groups	25,823	25,231	25,005	22,076	2,058	73.0	78.3	41.5	100.0	98.6	1.4	.1
One-parent family groups	3,808	6,920	9,236	6,104	2,904	27.0	21.7	58.5	100.0	78.5	17.0	4.4
Maintained by mother	3,415	6,230	8,128	5,190	2,747	23.7	18.4	55.3	100.0	77.5	17.9	4.7
Never married	248	1,063	2,575	1,016	1,512	7.5	3.6	30.5	100.0	61.3	34.7	4.0
Spouse absent	1,377	1,743	1,734	1,116	563	5.1	4.0	11.3	100.0	83.7	13.6	2.8
Separated	962	1,483	1,512	970	499	4.4	3.4	10.1	100.0	84.8	12.2	3.0
Divorced	1,109	2,721	3,309	2,708	535	9.7	9.6	10.8	100.0	84.4	9.0	6.6
Widowed	682	703	511	350	139	1.5	1.3	2.8	100.0	93.0	5.1	2.0
Maintained by father	393	692	1,107	914	157	3.2	3.2	3.2	100.0	86.3	11.1	2.6
Never married	22	63	209	148	55	.6	.5	1.1	100.0	73.7	23.9	2.4
Spouse absent	[2] 247	181	252	209	29	.7	.7	.6	100.0	84.1	15.1	.8
Divorced	(NA)	340	576	497	65	1.7	1.8	1.3	100.0	90.3	6.1	3.6
Widowed	124	107	69	58	7	.2	.2	.1	100.0	100.0	-	-

- Represents or rounds to zero. NA Not available. [1] Includes other races, not shown separately. [2] Includes divorced.

No. 68. Families, by Size and Presence of Children: 1980 to 1987

[In thousands, except as indicated. As of March. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1 and Appendix III. For definition of families, see text, section 1]

CHARACTERISTIC	1980, total	1985, total	1987								
			All races [1]			White		Black		Hispanic [4]	
			Total [2]	Mar-ried cou-ple	Female house-holder [3]	Total [2]	Mar-ried cou-ple	Total [2]	Mar-ried cou-ple	Total [2]	Mar-ried cou-ple
Total	**59,550**	**62,706**	**64,491**	**51,537**	**10,445**	**55,676**	**46,410**	**7,096**	**3,742**	**4,403**	**3,119**
Size of family:											
2 persons	23,461	25,349	26,323	19,784	4,902	23,490	18,380	2,335	1,059	1,114	645
3 persons	13,603	14,804	15,395	11,713	3,116	13,123	10,496	1,874	911	1,005	644
4 persons	12,372	13,259	13,620	12,029	1,412	11,783	10,794	1,431	882	1,099	862
5 persons	5,930	5,894	5,900	5,264	556	4,905	4,578	764	476	657	539
6 persons	2,461	2,175	2,078	1,802	249	1,614	1,481	362	231	293	246
7 or more persons	1,723	1,225	1,176	945	209	761	680	331	184	235	183
Median size (number) [5]	3.29	3.23	3.19	3.25	2.98	3.13	3.20	3.52	3.65	3.83	4.00
Own children under age 18:											
None	28,528	31,594	32,593	26,892	4,147	28,959	24,624	2,912	1,719	1,544	1,085
1	12,443	13,108	13,719	10,032	3,079	11,539	8,892	1,779	822	984	672
2	11,470	11,645	11,936	9,606	2,072	10,179	8,582	1,385	698	1,020	738
3	4,674	4,486	4,464	3,628	766	3,677	3,174	625	317	569	417
4 or more	2,435	1,873	1,779	1,378	381	1,321	1,138	394	187	285	207
Own children under age 6:											
None	46,063	48,505	47,818	39,571	8,031	43,261	35,753	5,275	2,819	2,825	1,940
1	9,441	9,677	10,030	8,031	1,764	8,469	7,123	1,284	662	1,001	736
2 or more	4,047	4,525	4,643	3,935	650	3,946	3,534	537	262	576	443
PERCENT DISTRIBUTION											
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Size of family:											
2 persons	39.4	40.4	40.8	38.4	46.9	42.2	39.6	32.9	28.3	25.3	20.7
3 persons	22.8	23.6	23.9	22.7	29.8	23.6	22.6	26.4	24.3	22.8	20.7
4 persons	20.8	21.1	21.1	23.3	13.5	21.2	23.3	20.2	23.6	25.0	27.6
5 persons	10.0	9.4	9.1	10.2	5.3	8.8	9.9	10.8	12.7	14.9	17.3
6 persons	4.1	3.5	3.2	3.5	2.4	2.9	3.2	5.1	6.2	6.7	7.9
7 or more persons	2.9	2.0	1.8	1.8	2.0	1.4	1.5	4.7	4.9	5.3	5.9
Own children under age 18:											
None	47.9	50.4	50.5	52.2	39.7	52.0	53.1	41.0	45.9	35.1	34.8
1	20.9	20.9	21.3	19.5	29.5	20.7	19.2	25.1	22.0	22.3	21.6
2	19.3	18.6	18.5	18.6	19.8	18.3	18.5	19.5	18.6	23.2	23.7
3	7.8	7.2	6.9	7.0	7.3	6.6	6.8	8.8	8.5	12.9	13.4
4 or more	4.1	3.0	2.8	2.7	3.6	2.4	2.5	5.6	5.0	6.5	6.6
Own children under age 6:											
None	77.4	77.4	77.2	76.8	76.9	77.7	77.0	74.3	75.3	64.2	62.2
1	15.9	15.4	15.6	15.6	16.9	15.2	15.3	18.1	17.7	22.7	23.6
2 or more	6.8	7.2	7.2	7.6	6.2	7.1	7.6	7.6	7.0	13.1	14.2

[1] Includes other races, not shown separately. [2] Includes other types of families, not shown separately. [3] No spouse present. [4] Hispanic persons may be of any race. [5] For definition of median, see Guide to Tabular Presentation.

Source of tables 67 and 68: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 424 and earlier reports.

NO. 69. FAMILIES, BY NUMBER OF OWN CHILDREN UNDER 18 YEARS OLD: 1970 TO 1987

[Except as noted, as of **March** and based on Current Population Survey; see headnote, table 68. See also *Historical Statistics, Colonial Times to 1970*, series A 353-358]

RACE, HISPANIC ORIGIN, AND YEAR	Number of families (1,000)	PERCENT DISTRIBUTION BY NUMBER OF OWN CHILDREN UNDER 18 YEARS OLD						Average size of family
		All families	None	1	2	3	4 or more	
ALL FAMILIES [1]								
1970	51,586	100.0	44.1	18.2	17.4	10.6	9.8	3.58
1975	55,712	100.0	46.0	19.7	18.0	9.3	6.9	3.42
1980	59,550	100.0	47.9	20.9	19.3	7.8	4.1	3.29
1985	62,706	100.0	50.4	20.9	18.6	7.2	3.0	3.23
1987	64,491	100.0	50.5	21.3	18.5	6.9	2.8	3.19
WHITE FAMILIES								
1970	46,261	100.0	44.8	18.2	17.7	10.5	8.8	3.52
1975	49,451	100.0	47.2	19.4	18.0	9.2	6.2	3.36
1980	52,243	100.0	49.3	20.5	19.1	7.5	3.6	3.23
1985	54,400	100.0	51.8	20.5	18.3	6.8	2.6	3.16
1987	55,676	100.0	52.0	20.7	18.3	6.6	2.4	3.13
BLACK FAMILIES								
1970	4,887	100.0	38.9	17.6	14.8	10.1	18.5	4.13
1975	5,498	100.0	36.8	22.0	17.0	10.6	13.6	3.90
1980	6,184	100.0	38.2	23.4	20.0	10.2	8.2	3.67
1985	6,778	100.0	42.6	23.3	19.6	9.0	5.5	3.60
1987	7,096	100.0	41.0	25.1	19.5	8.8	5.6	3.52
HISPANIC FAMILIES [2]								
1970	2,004	100.0	29.8	19.5	19.4	13.3	18.1	(NA)
1975	2,447	100.0	29.4	23.1	19.7	13.4	14.5	(NA)
1980	3,029	100.0	31.2	22.4	23.0	13.4	9.9	3.90
1985	3,939	100.0	33.9	22.9	22.0	12.2	8.9	3.88
1987	4,403	100.0	35.1	22.3	23.2	12.9	6.5	3.83

NA Not available. [1] Includes other races, not shown separately. [2] Hispanic persons may be of any race. 1970 data as of April. Based on Census of Population.

Source: U.S. Bureau of the Census, *U.S. Census of Population, 1970*, and *Current Population Reports*, series P-20, No. 424 and earlier reports.

NO. 70. FAMILY HOUSEHOLDS WITH OWN CHILDREN UNDER AGE 18, BY TYPE OF FAMILY, 1970 TO 1987, AND BY AGE OF HOUSEHOLDER, 1987

[As of **March.** Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1, and Appendix III]

FAMILY TYPE	1970	1980	1985	1987						
				Total	15-24 years old	25-34 years old	35-44 years old	45-54 years old	55-64 years old	65 years old and over
NUMBER (1,000)										
Family households with children	**28,731**	**31,022**	**31,112**	**31,898**	**1,760**	**11,582**	**12,574**	**4,824**	**996**	**161**
Married couple	25,532	24,961	24,210	24,645	940	8,790	9,960	3,970	847	138
Male householder [1]	341	616	896	955	85	230	425	171	34	9
Female householder [1]	2,858	5,445	6,006	6,297	735	2,562	2,189	683	115	14
PERCENT DISTRIBUTION										
Family households with children	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Married couple	88.9	80.5	77.8	77.3	53.4	75.9	79.2	82.3	85.0	85.7
Male householder [1]	1.2	2.0	2.9	3.0	4.8	2.0	3.4	3.5	3.4	5.6
Female householder [1]	9.9	17.6	19.3	19.7	41.8	22.1	17.4	14.2	11.5	8.7
HOUSEHOLDS WITH CHILDREN, AS A PERCENT OF ALL FAMILY HOUSEHOLDS, BY TYPE										
Family households with children, total	**55.8**	**52.1**	**49.6**	**49.5**	**59.9**	**76.6**	**81.2**	**43.9**	**10.2**	**1.6**
Married couple	57.1	50.8	48.1	47.8	50.6	74.0	81.9	44.4	10.3	1.6
Male householder [1]	27.8	35.5	40.2	38.1	35.7	44.5	66.0	39.1	11.3	2.4
Female householder [1]	52.0	62.6	59.3	60.3	87.2	94.3	81.8	42.3	9.6	1.0

[1] No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 424 and earlier reports.

No. 71. Children Under 18 Years Old, by Presence of Parents: 1970 to 1987

[As of **March**. Excludes persons under 18 years old who maintained households or family groups. It is likely that most of th sizeable increase in children living with never married mothers is the result of new and more definitive coding procedure introduced by the Census Bureau in 1982. Based on Current Population Survey; see headnote, table 68]

RACE, HISPANIC ORIGIN, AND YEAR	Number (1,000)	PERCENT LIVING WITH— Both parents	Mother only: Total	Mother only: Divorced	Mother only: Married, spouse absent	Mother only: Single [1]	Mother only: Widowed	Father only	Neither parent
ALL RACES [2]									
1970	69,162	85.2	10.8	3.3	4.7	.8	2.0	1.1	2.9
1980	63,427	76.7	18.0	7.5	5.7	2.8	2.0	1.7	3.6
1985	62,475	73.9	20.9	8.5	5.4	5.6	1.5	2.5	2.7
1986	62,763	73.9	21.0	8.5	5.3	5.7	1.4	2.5	2.6
1987	62,932	73.1	21.3	8.5	5.2	6.3	1.3	2.6	2.9
WHITE									
1970	58,790	89.5	7.8	3.1	2.8	.2	1.7	.9	1.8
1980	52,242	82.7	13.5	7.0	3.9	1.0	1.7	1.6	2.2
1985	50,836	80.0	15.6	8.1	4.1	2.1	1.3	2.4	2.0
1986	50,931	79.9	15.7	8.2	4.1	2.3	1.2	2.5	1.9
1987	51,112	79.1	16.1	8.4	4.0	2.7	1.1	2.6	2.2
BLACK									
1970	9,422	58.5	29.5	4.6	16.3	4.4	4.2	2.3	9.7
1980	9,375	42.2	43.9	10.9	16.2	12.8	4.0	1.9	11.9
1985	9,479	39.5	51.0	11.3	12.4	24.8	2.5	2.9	6.6
1986	9,532	40.6	50.6	11.1	12.0	24.9	2.6	2.4	6.3
1987	9,612	40.1	50.4	9.6	12.0	26.3	2.6	2.5	7.0
HISPANIC [3]									
1970	[4] 4,006	77.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1980	5,459	75.4	19.6	5.9	8.2	4.0	1.5	1.5	3.5
1985	6,057	67.9	26.6	7.3	11.1	6.5	1.7	2.2	3.3
1986	6,430	66.5	27.7	8.6	10.7	7.0	1.4	2.7	3.1
1987	6,647	65.5	27.7	8.0	9.3	8.8	1.6	2.8	4.0

NA Not available. [1] Never married. [2] Includes other races not shown separately. [3] Hispanic persons may be of any race. [4] All persons under 18 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports.

No. 72. Female Family Householders With No Spouse Present—Characteristics, by Race: 1970 to 1987

[As of **March**. 1970 covers persons 14 years old and over; beginning 1980, covers persons 15 years old and over. Based on Current Population Survey; see headnote, table 68]

CHARACTERISTIC	Unit	WHITE 1970	WHITE 1980	WHITE 1985	WHITE 1986	WHITE 1987	BLACK 1970	BLACK 1980	BLACK 1985	BLACK 1986	BLACK 1987
Female family householder	1,000	**4,185**	**6,052**	**6,941**	**7,111**	**7,227**	**1,349**	**2,495**	**2,964**	**2,874**	**2,967**
Percent of all families	Percent	9.1	11.6	12.8	12.9	13.0	28.3	40.3	43.7	41.5	41.8
Median age	Years	50.4	43.7	42.7	42.4	42.1	41.3	37.4	38.0	37.9	37.5
Marital status:											
Single (never married)	Percent	9.2	10.6	11.9	12.8	13.8	16.2	27.3	33.4	35.4	37.3
Married, spouse absent	Percent	18.5	16.9	16.0	15.8	16.0	39.7	28.6	21.1	21.2	20.7
Separated	Percent	11.4	13.9	13.8	13.5	13.8	33.8	26.8	19.3	19.7	18.6
Other	Percent	7.2	3.0	2.1	2.3	2.2	5.9	1.8	1.7	1.5	2.1
Widowed	Percent	47.0	32.7	28.3	28.6	27.8	29.9	22.2	21.2	18.4	18.0
Divorced	Percent	25.3	39.8	43.8	42.8	42.4	14.2	21.9	24.5	25.1	24.0
Presence of children under 18:											
No own children	Percent	52.0	41.2	43.5	43.2	42.7	33.5	28.1	34.5	32.7	31.6
With own children	Percent	48.0	58.8	56.5	56.8	57.3	66.6	71.9	65.5	67.3	68.3
1 child	Percent	18.8	28.1	28.9	29.3	29.6	19.1	26.3	27.5	25.0	29.2
2 children	Percent	15.0	19.9	18.6	19.2	19.1	14.4	23.2	21.6	22.8	22.1
3 children	Percent	7.8	7.4	6.4	5.9	6.3	12.5	11.1	10.1	11.7	10.0
4 or more children	Percent	6.4	3.4	2.6	2.4	2.3	20.6	11.3	6.3	7.8	6.9
Children per family	Number	1.00	1.03	.96	.95	.96	1.83	1.51	1.29	1.34	1.28

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 424 and earlier reports.

NO. 73. NONFAMILY HOUSEHOLDS, BY AGE OF HOUSEHOLDER AND PRESENCE OF NONRELATIVES: 1970 TO 1987

[**1970, persons 14 years old and over; 1980 and 1987, 15 years old and over.** See headnote, table 68]

ITEM	NONFAMILY HOUSEHOLDS		MALE HOUSEHOLDER (1,000)					FEMALE HOUSEHOLDER (1,000)				
	Total (1,000)	Per-cent	Total	15-24 yr. old	25-44 yr. old	45-64 yr. old	65 yr. old and over	Total	15-24 yr. old	25-44 yr. old	45-64 yr. old	65 yr. old and over
1970 (April), total	**12,430**	**100.0**	**4,629**	**[1]571**	**1,346**	**1,395**	**1,318**	**7,801**	**[1]512**	**815**	**2,577**	**3,897**
1-person (living alone)	11,115	89.4	3,965	[1]345	1,134	1,263	1,224	7,150	[1]328	695	2,421	3,706
Nonrelatives present	1,315	10.6	664	[1]226	212	132	94	651	[1]184	120	156	191
1980 (March), total	**21,226**	**100.0**	**8,807**	**1,567**	**3,854**	**1,822**	**1,565**	**12,419**	**1,189**	**2,198**	**3,048**	**5,983**
1-person (living alone)	18,296	86.2	6,966	947	2,920	1,613	1,486	11,330	779	1,809	2,901	5,842
Nonrelatives present	2,930	13.8	1,841	620	934	209	79	1,089	410	389	147	141
1987 (March), total	**24,988**	**100.0**	**10,652**	**1,244**	**5,294**	**2,195**	**1,918**	**14,336**	**1,014**	**3,325**	**3,147**	**6,850**
1-person (living alone)	21,128	84.6	8,246	661	3,881	1,903	1,802	12,881	591	2,619	2,963	6,709
Nonrelatives present	3,860	15.4	2,406	582	1,414	293	117	1,454	423	706	185	141

[1] Persons 14-24 years old.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. II, part 4B; *Current Population Reports*, series P-20, No. 423 and unpublished data.

NO. 74. NONFAMILY HOUSEHOLDERS, BY MARITAL STATUS: 1970 TO 1987

[**In thousands of persons.** As of **March. 1970, persons 14 years old and over; 1980 and 1987, persons 15 years old and over.** Based on Current Population Survey; see headnote, table 68]

MARITAL STATUS	1970	1980	1987				MARITAL STATUS	1970	1980	1987			
			Total	Under 35 yr.	35-64 yr.	65 yr. old and over				Total	Under 35 yr.	35-64 yr.	65 yr. old and over
Males	**4,063**	**8,807**	**10,652**	**4,553**	**4,180**	**1,918**	**Females**	**7,882**	**12,419**	**14,336**	**3,096**	**4,390**	**6,850**
Single	1,765	4,371	5,208	3,498	1,383	328	Single	1,608	3,302	3,330	2,465	978	488
Married [1]	545	1,051	1,179	356	645	178	Married [1]	516	675	806	179	435	191
Widowed	996	1,177	1,282	3	223	1,057	Widowed	4,915	6,569	6,966	8	1,293	5,665
Divorced	756	2,209	2,983	695	1,931	357	Divorced	844	1,873	2,633	443	1,684	506

[1] No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports; and unpublished data.

NO. 75. PERSONS LIVING ALONE, BY SEX AND AGE: 1970 TO 1987

[As of **March.** Based on Current Population Survey; see headnote, table 68]

SEX AND AGE	NUMBER OF PERSONS (1,000)						PERCENT DISTRIBUTION				
	1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1987
Both sexes	**10,851**	**13,939**	**18,296**	**20,602**	**21,178**	**21,128**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
15-24 years old [1]	556	1,111	1,726	1,324	1,388	1,252	5.1	8.0	9.4	6.4	5.9
25-14 years old	1,604	2,744	4,729	6,228	6,523	6,500	14.8	19.7	25.8	30.2	30.8
45-64 years old	3,622	4,076	4,514	4,939	4,949	4,865	33.4	29.2	24.7	24.0	23.0
65-74 years old	2,815	3,281	3,851	4,130	4,210	4,160	25.9	23.5	21.0	20.0	19.7
75 years old and over	2,256	2,727	3,477	3,982	4,107	4,351	20.8	19.6	19.0	19.3	20.6
Male	**3,532**	**4,918**	**6,966**	**7,922**	**8,285**	**8,246**	**32.5**	**35.3**	**38.1**	**38.5**	**39.0**
15-24 years old [1]	274	610	947	750	735	661	2.5	4.4	5.2	3.6	3.1
25-44 years old	933	1,689	2,920	3,713	3,952	3,881	8.6	12.1	16.0	18.0	18.4
45-64 years old	1,152	1,329	1,613	1,845	1,918	1,903	10.6	9.5	8.8	9.0	9.0
65-74 years old	611	723	775	868	945	937	5.6	5.2	4.2	4.2	4.4
75 years old and over	563	567	711	746	736	865	5.2	4.1	3.9	3.6	4.1
Female	**7,319**	**9,021**	**11,330**	**12,680**	**12,893**	**12,881**	**67.5**	**64.7**	**61.9**	**61.5**	**61.0**
15-24 years old [1]	282	501	779	573	654	591	2.6	3.6	4.3	2.8	2.8
25-44 years old	671	1,055	1,809	2,514	2,571	2,619	6.2	7.6	9.9	12.2	12.4
45-64 years old	2,470	2,747	2,901	3,095	3,031	2,963	22.8	19.7	15.9	15.0	14.0
65-74 years old	2,204	2,558	3,076	3,262	3,265	3,223	20.3	18.4	16.8	15.8	15.3
75 years old and over	1,693	2,160	2,766	3,236	3,371	3,486	15.6	15.5	15.1	15.7	16.5

[1] 1970 and 1975, persons 14-24 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 423 and earlier reports; and unpublished data.

NO. 76. POPULATION IN INSTITUTIONS AND OTHER GROUP QUARTERS, BY SEX AND TYPE OF QUARTERS: 1960 TO 1980

[**In thousands.** As of **April 1.** Based on sample data and subject to sampling variability; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970,* series A 359-371, for inmates of institutions]

TYPE OF QUARTERS	1960	1970			1980		
		Total	Male	Female	Total	Male	Female
Total	**4,902**	**5,796**	**3,438**	**2,349**	**5,738**	**3,153**	**2,586**
Institutional inmates	1,887	2,127	1,126	1,000	2,492	1,231	1,261
Homes for the aged and dependent	470	928	299	629	1,426	422	1,004
Mental hospitals and residential treatment centers	630	434	245	189	255	157	99
Correctional institutions	346	328	314	15	466	439	27
Tuberculosis hospitals	65	17	12	5	8	6	1
Chronic disease hospitals (excl. TB and mental)	42	67	38	29	61	36	25
Homes and schools for the mentally handicapped	175	202	114	88	149	85	65
Homes and schools for the physically handicapped	24	23	16	6	27	15	12
Homes for dependent and neglected children	73	48	28	19	38	24	14
Homes for unwed mothers	3	4	(Z)	4	2	-	2
Training schools for juvenile delinquents	46	66	53	14	42	34	8
Detention homes	11	10	7	4	17	14	3
College dormitories	829	1,765	891	874	1,994	989	1,006
Military quarters	868	1,025	1,005	20	671	613	58
Rooming and boarding houses	634	330	191	139	176	107	69
Other	684	539	224	315	404	212	192

- Represents or rounds to zero. Z Fewer than 500.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, vol. I, chapter D, and vol. II; *Census of Population: 1970*, vols. I and II; and *1980 Census of Population*, vol. 2 (PC80-2-4D).

NO. 77. RELIGIOUS PREFERENCE, CHURCH MEMBERSHIP AND ATTENDANCE: 1957 TO 1987

[**In percent.** Covers civilian noninstitutional population, 18 years old and over. Data represent averages of the combined results of several surveys during year. Data are subject to sampling variability, see source]

YEAR	RELIGIOUS PREFERENCE					Church/ synagogue members	Persons attending church/ synagogue [1]
	Protestant	Catholic	Jewish	Other	None		
1957	66	26	3	1	3	[2] 73	47
1967	67	25	3	3	2	[3] 73	43
1975	62	27	2	4	6	71	41
1980	61	28	2	2	7	69	40
1985	57	28	2	4	9	71	42
1986	59	27	2	4	8	69	40
1987	57	28	2	4	9	69	40

AGE AND REGION	Church/ synagogue members, 1987
18-29 years old	62
30-49 years old	68
50 years and over	76
East [4]	69
Midwest [5]	71
South [6]	76
West [7]	58

[1] Persons who attended a church or synagogue in the last seven days. [2] 1952 data. [3] 1965 data. [4] ME, NH, RI, NY, CT, VT, MA, NJ, PA, WV, DE, MD, and DC. [5] OH, IN, IL, MI, MN, WI, IA, ND, SD, KS, NE, and MO. [6] KY, TN, VA, NC, SC, GA, FL, AL, MS, TX, AR, OK, and LA. [7] AZ, NM, CO, NV, MT, ID, WY, UT, CA, WA, OR, AK, and HI.

Source: Gallup Opinion Poll, Princeton, NJ, "Religion in America" in *The Gallup Report*, periodic.

NO. 78. RELIGIOUS BODIES—CHURCH MEMBERSHIP, 1960 TO 1986, AND NUMBER OF CHURCHES, 1986

[**Membership in thousands, except as indicated.** See headnote, table 79. See also *Historical Statistics, Colonial Times to 1970*, series H 793-799]

RELIGIOUS BODY	MEMBERSHIP						Number of churches, 1986
	1960	1970	1975	1980	1985	1986	
Total	**114,449**	**131,045**	**131,013**	**134,817**	**142,926**	**142,800**	**346,102**
Members as percent of population [1]	64	63	61	59	60	59	(X)
Average members per local church	359	390	393	401	413	413	(X)
Buddhist Churches of America	20	100	60	60	100	100	100
Eastern Churches	2,699	3,850	3,696	3,823	4,026	3,980	1,662
Jews [2]	5,367	5,870	6,115	5,920	5,835	5,814	3,416
Old Catholic, Polish National Catholic, and Armenian Churches	590	848	846	924	1,024	829	426
The Roman Catholic Church	42,105	48,215	48,882	50,450	52,655	52,893	23,561
Protestants [3]	63,669	71,713	71,043	73,479	79,096	78,991	315,810
Miscellaneous [4]		449	372	161	191	192	1,127

X Not applicable. [1] Based on Bureau of the Census estimated total population as of July 1. [2] Estimates of the Jewish community including those identified with Orthodox, Conservative and Reformed synagogues or temples. [3] Includes nonprotestant bodies such as "Latter-day Saints" and "Jehovah's Witnesses." [4] Includes non-Christian bodies such as "Spiritualists," "Ethical Culture Movement," and "Unitarian-Universalists."

Source: National Council of the Churches of Christ in the United States of America, New York, NY, *Yearbook of American and Canadian Churches*, annual. (Copyright.)

No. 79. Religious Bodies—Selected Data

[Represents latest information available from religious bodies with memberships of 50,000 or more; excludes a few groups giving no data. Not all groups follow same calendar year nor count membership in same way; some groups give only approximate figures. Roman Catholics count all baptized persons, including infants; Jewish statistics are estimates of the number of persons living in Jewish households including as a consequence of intermarriage, approximately 7.4 percent non-Jewish persons. Eastern Orthodox Churches include all persons in their nationality or cultural groups; most Protestant bodies count only persons who have attained full membership, and previous estimates have indicated that all but a small minority of these are over 11 years of age; however, many Lutheran bodies and The Episcopal Church report all baptized persons, and not only those confirmed. Data which appear in italics are "noncurrent," i.e., they are reported for **1985 or earlier**. All other data are "current" and were reported in **1986** or **1987**]

RELIGIOUS BODY	Year	Churches reported	Membership (1,000)	Pastors serving parishes	Sunday school enrollment [1] (1,000)
Total	(X)	**346,102**	**142,800**	**328,566**	**25,788**
Bodies with membership of 50,000 or more	(X)	**330,824**	**141,249**	**314,390**	**25,488**
Current data	(X)	208,325	105,858	198,259	(NA)
Noncurrent data	(X)	*122,499*	*35,391*	*116,131*	(NA)
African Methodist Episcopal Church	*1981*	*6,200*	*2,210*	*6,050*	(NA)
African Methodist Episcopal Zion Church	1986	6,057	1,195	6,000	217
American Baptist Association	1986	1,705	250	1,740	(NA)
American Baptist Churches in the U.S.A.	1986	5,864	1,576	4,836	385
American Carpatho-Russian Orthodox Greek Catholic Church	*1976*	*70*	*100*	*61*	(NA)
American Lutheran Church, The [2]	1986	4,950	2,319	4,720	582
Antiochian Orthodox Christian Archdiocese of North America, The	*1984*	*120*	*280*	*155*	(NA)
Apostolic Catholic Assyrian Church of the East, N. American Diocese	*1984*	*24*	*80*	*54*	(NA)
Armenian Church of America, Diocese of the	*1979*	*66*	*450*	*45*	(NA)
Assemblies of God	1986	10,886	2,135	15,221	1,405
Baptist Bible Fellowships, International	1986	3,449	1,406	3,400	750
Baptist General Conference	1987	762	131	1,200	75
Baptist Missionary Association of America	1986	1,350	228	1,500	98
Buddhist Churches of America	*1984*	*100*	*100*	*70*	(NA)
Bulgarian Eastern Orthodox Church (Diocese of N. and S. America and Australia)	*1971*	*13*	*86*	(NA)	(NA)
Christian and Missionary Alliance, The	1986	1,691	239	1,654	168
Christian Brethren (a.k.a. Plymouth Brethren)	*1984*	*1,150*	*98*	(NA)	(NA)
Christian Church (Disciples of Christ)	1986	4,221	1,107	4,002	338
Christian Churches and Churches of Christ	1986	5,566	1,063	(NA)	(NA)
Christian Congregation, Inc., The	1986	1,450	105	1,448	58
Christian Methodist Episcopal Church	*1983*	*2,340*	*719*	*2,340*	(NA)
Christian Reformed Church in North America	*1985*	*650*	*220*	(NA)	(NA)
Church of God, The	*1978*	*2,035*	*76*	*1,910*	(NA)
Church of God (Anderson, IN)	1986	2,296	189	1,994	200
Church of God (Cleveland, TN)	*1984*	*5,346*	*506*	*6,341*	(NA)
Church of God in Christ, The	*1982*	*9,982*	*3,710*	*9,204*	(NA)
Church of God in Christ, International, The	*1982*	*300*	*200*	*700*	(NA)
Church of God of Prophecy, The	1986	2,062	74	5,517	95
Church of Jesus Christ of Latter-day Saints, The	*1985*	*8,396*	*3,860*	*25,188*	(NA)
Church of the Brethren	1986	1,059	156	984	59
Church of the Nazarene	1996	5,018	531	4,086	835
Churches of Christ	1987	13,364	1,624	(NA)	(NA)
Community Churches, International Council of	1987	350	200	(NA)	(NA)
Congregational Christian Churches, National Association of	*1985*	*464*	*108*	*563*	(NA)
Conservative Baptist Association of America	*1982*	*1,140*	*225*	(NA)	(NA)
Coptic Orthodox Church	1986	28	115	28	(NA)
Cumberland Presbyterian Church	1986	811	98	573	46
Episcopal Church, The	1986	7,054	2,505	7,887	558
Evangelical Covenant Church, The	1986	570	86	517	71
Evangelical Free Church of America	1986	880	96	(NA)	(NA)
Evangelical Lutheran Churches, The Association of [2]	1986	250	103	298	(NA)
Free Methodist Church of North America	1986	1,048	72	1,079	110
Free Will Baptists	1986	2,483	206	2,800	156
Friends United Meeting	1986	533	56	297	26
Full Gospel Fellowship of Churches and Ministers, International	*1985*	*450*	*65*	*850*	(NA)
General Association of Regular Baptist Churches	*1981*	*1,571*	*301*	*2,000*	(NA)
General Baptists (General Association of)	1986	871	72	(NA)	(NA)
Greek Orthodox Archdiocese of North and South America	*1977*	*535*	*1,950*	*610*	(NA)
Independent Fundamental Churches of America	*1980*	*1,019*	*120*	*782*	(NA)
International Church of the Foursquare Gospel	1986	1,250	186	1,264	43
Jehovah's Witnesses	1986	8,336	752	-	-
Jews [3]	1986	3,416	5,814	(NA)	(NA)
Liberty Baptist Fellowship	*1983*	*267*	*130*	*374*	(NA)
Lutheran Church in America [2]	1986	5,832	2,896	5,226	623

See footnotes at end of table.

NO. 79. RELIGIOUS BODIES—SELECTED DATA—Continued

[See headnote, p. 55]

RELIGIOUS BODY	Year	Churches reported	Membership (1,000)	Pastors serving parishes	Sunday school enrollment[1] (1,000)
Bodies with membership of 50,000 or more—Con.					
Lutheran Church—Missouri Synod, The	1986	5,897	2,631	5,261	658
Mennonite Church	1987	989	91	1,562	112
National Baptist Convention of America	*1956*	*11,398*	*2,669*	*7,598*	(NA)
National Baptist Convention, U.S.A., Inc	*1958*	*26,000*	*5,500*	*26,000*	(NA)
National Primitive Baptist Convention, Inc	*1975*	*606*	*250*	*460*	(NA)
North American Old Roman Catholic Church	1986	133	63	109	9
Old Order Amish Church	1986	696	63	(NA)	(NA)
Orthodox Church in America	*1978*	*440*	*1,000*	*457*	(NA)
Pentecostal Church of God	1986	1,144	91	(NA)	68
Pentecostal Holiness Church, International	*1984*	*1,461*	*113*	*1,530*	(NA)
Polish National Catholic Church of America	*1960*	*162*	*282*	*141*	(NA)
Presbyterian Church in America	1986	913	188	(NA)	91
Presbyterian Church (U.S.A.)	1986	11,513	3,007	10,925	1,098
Primitive Baptists	*1960*	*1,000*	*72*	(NA)	(NA)
Progressive National Baptist Convention, Inc	*1967*	*655*	*522*	(NA)	(NA)
Reformed Church in America	1986	928	340	852	102
Reorganized Church of Jesus Christ of Latter-day Saints	1986	1,094	192	16,585	(NA)
Roman Catholic Church, The	1986	23,561	52,893	34,471	7,216
Romanian Orthodox Episcopate of America	1986	34	60	28	2
Russian Orthodox Church Outside of Russia, The	*1955*	*81*	*55*	*92*	(NA)
Salvation Army, The	1986	1,092	433	2,509	109
Serbian Eastern Orthodox Church in the U.S.A. and Canada	1986	68	67	60	5
Seventh-day Adventists	1986	4,055	666	3,069	464
Southern Baptist Convention	1986	37,072	14,614	37,000	7,938
Triumph the Church and Kingdom of God in Christ (International)	*1972*	*475*	*54*	*860*	(NA)
Ukrainian Orthodox Church in the U.S.A.	*1966*	*107*	*89*	*107*	(NA)
Unitarian Universalist Association	1986	956	173	(NA)	39
United Church of Christ	1986	6,406	1,676	5,127	442
United Methodist Church, The	*1985*	*37,876*	*9,192*	*21,589*	(NA)
United Pentecostal Church, International	1986	3,410	500	(NA)	(NA)
Wesleyan Church, The	1986	1,704	109	1,342	189
Wisconsin Evangelical Lutheran Synod	1986	1,180	416	1,086	48
Bodies with membership of less than 50,000	(X)	**15,278**	**1,551**	**14,176**	**300**

- Represents zero. NA Not available. X Not applicable. [1] Includes pupils, officers, and teachers. [2] The American Lutheran Church, the Association of Evangelical Lutheran Churches and the Lutheran Church in America merged to form the Evangelical Lutheran Church in America (ELCA) during the period April 30–May 3, 1987. Since the statistics reported here are for 1986, these bodies reported data separately for the last time. [3] Estimate of size of Jewish community provided by American Jewish Yearbook. Estimates of the number of Jews holding membership in synagogues or temples of the four branches of Judaism amount to 3,750,000.

Source: National Council of the Churches of Christ in the United States of America, New York, NY, *Yearbook of American and Canadian Churches*, annual. (Copyright.)

NO. 80. RELIGIOUS TELEVISION PROGRAM VIEWING, 1983 AND 1987, AND BY SELECTED CHARACTERISTICS, 1987

[**In percent.** As of **April.** Covers civilian noninstitutional population, 18 years old and over. Based on a sample (for 1987, 1,571 adults) and subject to sampling variability; contact source]

CHARACTERISTIC	PERCENTAGE WHO WATCH RELIGIOUS TELEVISION		Percent who don't watch
	Total[1]	Weekly	
1983, total	42	18	58
1987, total[2]	**49**	**25**	**51**
Age:			
18–29 years old	39	18	61
30–49 years old	47	22	53
50 years and over	58	33	42
Sex:			
Male	44	21	56
Female	53	29	47
Race:			
White	46	23	54
Black	68	39	32

CHARACTERISTIC	PERCENTAGE WHO WATCH RELIGIOUS TELEVISION		Percent who don't watch
	Total[1]	Weekly	
Region:[3]			
East	36	17	64
Midwest	46	21	54
South	62	37	38
West	48	21	52
Education:			
Not high school graduate	64	41	36
High school graduate	46	22	54
Some college	45	20	55
College graduate	42	18	58
Religious belief:			
Evangelicals	79	46	21
Nonevangelicals	36	15	64

[1] Includes those who watched religious television program 8 or more days ago. [2] Includes other races, not shown separately.
[3] See footnotes 4, 5, 6, and 7; table 77.

Source: Gallup Opinion Poll, Princeton, NJ, "Religion in America", *The Gallup Report*, April 1987.

No. 81. Christian Church Adherents, 1980, and Jewish Population, 1987—States

[Christian church adherents were defined as "all members, including full members, their children and the estimated number of other regular participants who are not considered as communicant, confirmed or full members." Data on Christian church adherents are based on reports of 111 church bodies and exclude 18 church bodies that reported more than 100,000 members to the *Yearbook of American and Canadian Churches* (see table 79): African Methodist Episcopal Church; Progressive National Baptist Convention, Inc.; National Primitive Baptist Convention, Inc.; National Baptist Convention, U.S.A., Inc.; National Baptist Convention of America; Church of God in Christ, International; Church of God in Christ; Jehovah's Witnesses; United Pentecostal Church International; Polish National Catholic Church of America; General Association of Regular Baptist Churches; Free Will Baptists; Church of God of Prophecy; National Council of Community Churches; Reorganized Church of Jesus Christ of Latter Day Saints; Independent Fundamental Churches of America; Pentecostal Church of God of America, Inc.; and Wesleyan Church. Data on Jewish population are based primarily on a compilation of individual estimates made by local Jewish federations. Additionally, most large communities have completed Jewish demographic surveys from which the Jewish population can be determined. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	CHRISTIAN CHURCH ADHERENTS, 1980		JEWISH POPULATION, 1987	
	Number (1,000)	Percent of population [1]	Number (1,000)	Percent of population [1]
U.S	**111,736**	**49.3**	**5,944**	**2.5**
Region:				
Northeast	27,029	55.0	3,104	6.2
Midwest	31,204	53.0	663	1.1
South	37,516	49.8	1,115	1.4
West	15,986	37.0	1,062	2.2
New England	**7,381**	**59.8**	**436**	**3.5**
Maine	461	41.0	9	.8
New Hampshire	407	44.2	7	.7
Vermont	244	47.7	5	.9
Massachusetts	3,669	64.0	287	4.9
Rhode Island	710	75.0	18	1.8
Connecticut	1,890	60.8	113	3.6
Middle Atlantic	**19,649**	**53.4**	**2,666**	**7.2**
New York	8,548	48.7	1,891	10.6
New Jersey	3,923	53.3	428	5.7
Pennsylvania	7,177	60.5	347	2.9
East North Central	**20,969**	**50.3**	**537**	**1.3**
Ohio	5,306	49.1	136	1.3
Indiana	2,451	44.6	20	.4
Illinois	6,251	54.7	260	2.2
Michigan	3,932	42.5	85	.9
Wisconsin	3,029	64.4	37	.8
West North Central	**10,235**	**59.6**	**126**	**.5**
Minnesota	2,644	64.9	31	.8
Iowa	1,781	61.1	7	.2
Missouri	2,613	53.1	64	1.3
North Dakota	482	73.8	1	.1
South Dakota	462	66.9	(Z)	.1
Nebraska	990	63.1	7	.5
Kansas	1,262	53.4	15	.6
South Atlantic	**16,247**	**44.0**	**949**	**2.4**
Delaware	238	40.1	10	1.5
Maryland	1,673	39.7	210	4.8
District of Columbia	304	47.6	25	4.0
Virginia	2,221	41.5	65	1.1
West Virginia	772	39.6	3	.2
North Carolina	3,169	53.9	15	.2
South Carolina	1,603	51.3	8	.2
Georgia	2,560	46.9	63	1.0
Florida	3,707	38.0	549	4.8
East South Central	**8,079**	**55.1**	**44**	**.3**
Kentucky	1,979	54.1	12	.3
Tennessee	2,485	54.1	20	.4
Alabama	2,230	57.3	10	.2
Mississippi	1,385	54.9	2	.1
West South Central	**13,189**	**55.5**	**122**	**.5**
Arkansas	1,282	56.1	2	.1
Louisiana	2,404	57.2	17	.4
Oklahoma	1,751	57.9	6	.2
Texas	7,752	54.5	99	.6
Mountain	**5,241**	**46.1**	**148**	**1.2**
Montana	348	44.2	(Z)	.1
Idaho	472	50.0	(Z)	.1
Wyoming	207	44.0	(Z)	.1
Colorado	1,052	36.4	49	1.5
New Mexico	767	58.9	6	.4
Arizona	1,065	39.2	69	2.2
Utah	1,097	75.1	3	.2
Nevada	233	29.1	20	2.1
Pacific	**10,745**	**33.8**	**914**	**2.6**
Washington	1,275	30.9	23	.5
Oregon	946	35.9	13	.5
California	8,082	34.1	868	3.3
Alaska	123	30.6	3	.5
Hawaii	319	33.1	8	.8

Z Fewer than 500. [1] Based on U.S. Bureau of the Census data for resident population enumerated as of April 1, 1980 and estimated as of July 1987.

Source: Christian church adherents—B. Quinn, H. Anderson, M. Bradley, P. Goetting, and P. Shriver, *Churches and Church Membership in the United States 1980*, Glenmary Research Center, Atlanta, GA, 1982 (copyright); Jewish population—American Jewish Committee and the American Jewish Publication Society, New York, NY, *American Jewish Year Book, 1988* (copyright).

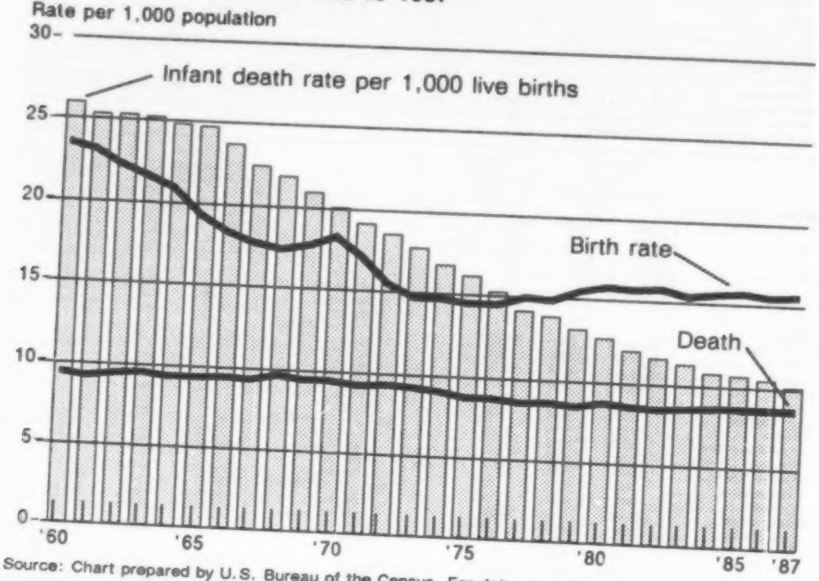
No. 82. National Nonprofit Associations—Number, by Type: 1970 to 1987

TYPE	1970	1980	1985	1987
Total	[1]**10,734**	**14,726**	**19,121**	**20,884**
Trade, business, commercial	2,895	3,118	3,719	3,927
Agriculture	508	677	682	912
Legal, governmental, public administration, military	346	529	658	711
Scientific, engineering, tech	548	1,039	1,270	1,377
Educational	1,383	2,376	2,822	1,217
Cultural				1,759
Social welfare	475	994	1,450	1,641
Health, medical	830	1,413	1,886	2,045
Public affairs	498	1,068	1,935	2,217
Fraternal, foreign interest, nationality, ethnic	610	435	492	539
Religious	806	797	953	1,066
Veteran, hereditary, patriotic	198	208	281	340
Hobby, avocational	444	910	1,311	1,366
Athletic sports	336	504	737	798
Labor unions	226	235	252	233
Chambers of Commerce[2]	110	105	142	159
Greek letter societies	334	318	331	335
Fan clubs	(NA)	(NA)	(NA)	242

NA Not available. [1] Includes associations not shown separately. [2] National and binational.

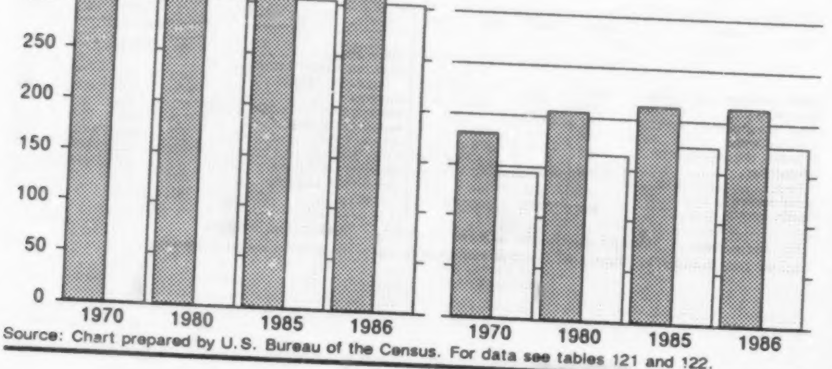
Source: Gale Research Inc., Detroit, MI. Compiled from *Encyclopedia of Associations*, annual. (Copyright.)

Figure 2.1
Birth and Death Rates: 1960 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 83.

Figure 2.2
Death Rates, by Cause: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 121 and 122.

Section **2**

Vital Statistics

This section presents vital statistics—data on births; deaths; abortions; fetal deaths, including stillbirths; fertility; life expectancy; marriages; and divorces. Vital statistics are compiled for the country as a whole by the National Center for Health Statistics (NCHS) and published in its annual report, *Vital Statistics of the United States*, in certain reports of the *Vital and Health Statistics* series, and in the *Monthly Vital Statistics Report*. Reports in this field are also issued by the various State bureaus of vital statistics. Data on fertility, on age of persons at first marriage, and on marital status and marital history are compiled by the Bureau of the Census from its Current Population Survey (CPS; see text, section 1) and published in *Current Population Reports*, series P-20. Data on abortions are published by the Alan Guttmacher Institute, New York, NY in selected issues of *Family Planning Perspectives* and by the U.S. Centers for Disease Control in the annual *Abortion Surveillance Report—Legal Abortions*.

Registration of vital events.—The registration of births, deaths, fetal deaths, and other vital events in the United States is primarily a State and local function. The civil laws of every State provide for a continuous and permanent birth- and death-registration system. Many States also provide for marriage- and divorce-registration systems. Vital events occurring to U.S. residents outside the United States are not included in the data.

Births and deaths.—The live-birth, death, and fetal-death statistics prepared by NCHS are based on vital records filed in the registration offices of all States, of New York City, and of the District of Columbia. The annual collection of death statistics on a national basis began in 1900 with a national death-registration area of 10 States and the District of Columbia; a similar annual collection of birth statistics for a national birth-registration area began in 1915, also with 10 reporting States and the District of Columbia. Since 1933, the birth- and death-registration areas have comprised the entire United States, including Alaska (beginning 1959) and Hawaii (beginning 1960). National statistics on fetal deaths were first compiled for 1918 and annually since 1922.

Prior to 1951, birth statistics came from a complete count of records received in the Public Health Service (now received in NCHS). From 1951 through 1971, they were based on a 50-percent sample of all registered births (except for a complete count in 1955 and a 20- to 50-percent sample in 1967). Beginning in 1972, they have been based on a complete count for States participating in the Vital Statistics Cooperative Program (VSCP) (for details, see the technical appendix in *Vital Statistics of the United States*) and on a 50-percent sample of all other areas. Beginning 1986 all reporting areas participated in the VSCP. Mortality data have been based on a complete count of records for each area (except for a 50-percent sample in 1972). Beginning in 1970, births to, and deaths of nonresident aliens of the United States and U.S. citizens outside the United States have been excluded from the data. Fetal deaths and deaths among Armed Forces abroad are excluded. Data based on samples are subject to sampling error; for details, see annual issues of *Vital Statistics of the United States*.

Mortality statistics by cause of death are compiled in accordance with World Health Organization regulations according to the *International Classification of Diseases* (ICD). The ICD is revised approximately every 10 years. The ninth revision of the ICD was employed beginning in 1979. Deaths for prior years were classified according to the revision of the ICD in use at the time. Each revision of the ICD introduces a number of discontinuities in mortality statistics; for a discussion of those between the eighth and ninth revisions of the ICD, see *Monthly Vital Statistics Report*, vol. 28, No. 11, supplement.

Some of the tables present age-adjusted death rates in addition to crude death rates. Age adjusted death rates shown in this section were prepared using the direct method, in which age-specific death rates for a population of interest are applied to a standard population distributed by age. Age adjustment eliminates the differences in observed rates between points in time or among compared population groups that result from age differences in population composition.

Abortions.—The U.S. Centers for Disease Control (CDC) collects data on abortions annually from States which have a central health agency with a statewide reporting system. The Alan Guttmacher Institute, New York, NY also issues data on the number of abortions based on its own surveys of hospitals and physicians. The Guttmacher Institute also publishes data on the characteristics of abortions after adjusting CDC data for changes in the number of States reporting each year.

Fertility and life expectancy.—The total fertility rate, defined as the number of births that 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the specified year, is compiled and published by NCHS. Other data relating to social and medical factors which affect fertility rates, such as contraceptive use and birth expectations, are collected and made available by both NCHS and the Bureau of the Census. NCHS figures are based on information in birth and fetal death certificates and on the periodic National Surveys of Family Growth; Bureau of the Census data are based on decennial censuses and the CPS.

Data on life expectancy, the average remaining lifetime in years for persons who attain a given age, are computed and published by NCHS. For details, see the technical appendix in *Vital Statistics of the United States.*

Marriage and divorce.—The compilation of nationwide statistics on marriages and divorces in the United States began in 1887-1888 when the National Office of Vital Statistics prepared estimates for the years 1867-1886. Although periodic updates took place after 1888, marriage and divorce statistics were not collected and published annually until 1944 by that Office. In 1957 and 1958, respectively, the same Office established marriage- and divorce-registration areas. Beginning in 1957, the marriage-registration area comprised 30 States, plus Alaska, Hawaii, Puerto Rico, and the Virgin Islands; it currently includes 42 States and the District of Columbia. The divorce-registration area, starting in 1958 with 14 States, Alaska, Hawaii, and the Virgin Islands, currently includes a total of 31 States and the Virgin Islands. Procedures for estimating the number of marriages and divorces in the registration States are discussed in *Vital Statistics of the United States,* Vol. III—*Marriage and Divorce.* Total counts of events for registration and nonregistration States are gathered by collecting already summarized data on marriages and divorces reported by State offices of vital statistics and by county offices of registration.

Another important source of data on marriage and divorce trends in the United States is the March supplement to the Current Population Survey conducted by the Bureau of the Census. For information on marital status, see section 1.

Vital statistics rates.—Except as noted, vital statistics rates computed by NCHS are based on decennial census population figures as of April 1 for 1940, 1950, 1960, 1970, and 1980; and on midyear population figures for other years, as estimated by the Bureau of the Census (see text, section 1).

Race.—Data by race for births, deaths, marriages, and divorces from NCHS are based on information contained in the certificates of registration. The Census Bureau's Current Population Survey obtains information on race by asking respondents to classify their race as: (1) White, (2) Black, (3) American Indian, Eskimo, or Aleut, or (4) Asian or Pacific Islander.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures, and measures of statistical reliability applicable to Census Bureau and NCHS data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

NO. 83. LIVE BIRTHS, DEATHS, MARRIAGES, AND DIVORCES: 1950 TO 1987

[Prior to 1960, excludes Alaska and Hawaii. Beginning 1970, excludes births to, and deaths of, nonresidents of the U.S. See Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 1-5, B 142, B 167, B 214, and B 216]

YEAR	NUMBER (1,000)					RATE PER 1,000 POPULATION				
	Births [1]	Deaths		Marriages [3]	Divorces [4]	Births [1]	Deaths		Marriages [3]	Divorces [4]
		Total	Infant [2]				Total	Infant [2]		
1950	3,632	1,452	104	1,667	385	24.1	9.6	29.2	11.1	2.6
1955	4,097	1,529	107	1,531	377	25.0	9.3	26.4	9.3	2.3
1957	4,300	1,633	112	1,518	381	25.3	9.6	26.3	8.9	2.2
1960	4,258	1,712	111	1,523	393	23.7	9.5	26.0	8.5	2.2
1965	3,760	1,828	93	1,800	479	19.4	9.4	24.7	9.3	2.5
1970	3,731	1,921	75	2,159	708	18.4	9.5	20.0	10.6	3.5
1971	3,556	1,928	68	2,190	773	17.2	9.3	19.1	10.6	3.7
1972	3,258	1,964	60	2,282	845	15.6	9.4	18.5	10.9	4.0
1973	3,137	1,973	56	2,284	915	14.8	9.3	17.7	10.8	4.3
1974	3,160	1,934	53	2,230	977	14.8	9.1	16.7	10.5	4.6
1975	3,144	1,893	51	2,153	1,036	14.6	8.8	16.1	10.0	4.8
1976	3,168	1,909	48	2,155	1,083	14.6	8.8	15.2	9.9	5.0
1977	3,327	1,900	47	2,178	1,091	15.1	8.6	14.1	9.9	5.0
1978	3,333	1,928	46	2,282	1,130	15.0	8.7	13.8	10.3	5.1
1979	3,494	1,914	46	2,331	1,181	15.6	8.5	13.1	10.4	5.3
1980	3,612	1,990	46	2,390	1,189	15.9	8.8	12.6	10.6	5.2
1981	3,629	1,978	43	2,422	1,213	15.8	8.6	11.9	10.6	5.3
1982	3,681	1,975	42	2,456	1,170	15.9	8.5	11.5	10.6	5.0
1983	3,639	2,019	41	2,446	1,158	15.5	8.6	11.2	10.5	4.9
1984	3,669	2,039	40	2,477	1,169	15.5	8.6	10.8	10.5	5.0
1985	3,761	2,086	40	2,413	1,190	15.8	8.7	10.6	10.1	5.0
1986	3,757	2,105	39	[5] 2,400	[5] 1,159	15.6	8.7	10.4	[5] 10.0	[5] 4.8
1987, prel	3,829	2,127	38	2,421	1,157	15.7	8.7	10.0	9.9	4.8

[1] Through 1957, adjusted for underregistration. [2] Infants under 1 year, excluding fetal deaths; rates per 1,000 registered live births. [3] Includes estimates for some States through 1965 and also for 1976 and 1977 and marriage licenses for some States for all years except 1973 and 1975. Beginning 1978, includes nonlicensed marriages in California. [4] Includes reported annulments and some estimated State figures for all years. [5] Preliminary.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 84. LIVE BIRTHS AND DEATHS—20 LARGEST METROPOLITAN AREAS: 1986

[Excludes births to, and deaths of, nonresidents of U.S. Data are by place of residence. Metropolitan statistical areas (MSA's), consolidated metropolitan statistical areas (CMSA's) and New England County Metropolitan Areas (NECMA's), are as defined by the U.S. Office of Management and Budget as of June 30, 1987; see Appendix II for definitions and components]

METROPOLITAN AREA	NUMBER (1,000)			RATE PER 1,000 POPULATION		
	Births	Deaths		Births	Deaths	
		Total	Infant [1]		Total	Infant [1]
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA [2]	261,869	171,369	2,744	14.6	9.6	10.5
Los Angeles-Anaheim-Riverside, CA CMSA	247,483	96,595	2,224	18.9	7.4	9.0
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA	130,021	68,677	1,641	16.0	8.5	12.6
San Francisco-Oakland-San Jose, CA CMSA	92,741	45,144	759	15.8	7.7	8.2
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	89,318	56,922	1,006	15.3	9.7	11.3
Detroit-Ann Arbor, MI CMSA	69,032	41,324	846	15.0	9.0	12.3
Boston-Lawrence-Salem-Lowell-Brockton, MA NECMA	52,825	34,504	444	14.2	9.3	8.4
Dallas-Fort Worth, TX CMSA	71,880	23,784	727	19.7	6.5	10.1
Houston-Galveston-Brazoria, TX CMSA	67,600	20,862	643	18.5	5.7	9.5
Washington, DC-MD-VA MSA	57,393	24,226	705	16.1	6.8	12.3
Miami-Fort Lauderdale, FL CMSA	44,247	30,480	467	15.3	10.5	11.0
Cleveland-Akron-Lorain, OH CMSA	39,589	26,899	439	14.3	9.7	11.1
Atlanta, GA MSA	42,210	17,325	494	16.4	6.7	11.7
St. Louis, MO-IL MSA	38,346	22,895	447	15.7	9.4	11.7
Pittsburgh-Beaver Valley, PA CMSA	28,301	25,737	294	12.3	11.1	10.4
Minneapolis-St. Paul, MN-WI MSA	38,532	16,181	350	16.8	7.0	9.1
Seattle-Tacoma, WA CMSA	36,084	16,634	344	15.8	7.3	9.5
Baltimore, MD MSA	35,582	21,130	424	15.6	9.3	11.9
San Diego, CA MSA	39,044	15,608	356	17.7	7.1	9.1
Tampa-St. Petersburg-Clearwater, FL MSA	24,557	23,879	278	12.8	12.5	11.3

[1] Infants under 1 year, excluding fetal deaths; rates per 1,000 registered live births. [2] CT portion of CMSA covers all of Fairfield County.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 85. Births and Birth Rates: 1960 to 1986

[**Births in thousands, except as indicated.** Beginning 1970, excludes births to nonresidents of U.S. For population bases used to derive these data, see text, section 2. See Appendix III. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970,* series B 1, B 5-10, and B 12-20]

ITEM	1960	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Live births [1]	**4,258**	**3,760**	**3,731**	**3,144**	**3,494**	**3,612**	**3,629**	**3,681**	**3,639**	**3,669**	**3,761**	**3,757**
Average annual percent change [2]	.8	–2.5	–.2	–3.4	2.7	3.4	.5	1.4	–1.1	.8	2.5	–.1
White	3,601	3,124	3,091	2,552	2,808	2,899	2,909	2,942	2,904	2,924	2,991	2,970
Black	602	581	572	512	578	590	588	593	586	593	608	621
Male	2,180	1,927	1,915	1,613	1,791	1,853	1,860	1,886	1,866	1,879	1,928	1,925
Female	2,078	1,833	1,816	1,531	1,703	1,760	1,769	1,795	1,773	1,790	1,833	1,832
Males per 100 females	104.9	105.1	105.5	105.4	105.2	105.3	105.2	105.1	105.2	105.0	105.2	105.1
Age of mother:												
Under 20 years old	594	599	656	595	560	562	537	524	499	480	478	472
20-24 years old	1,427	1,337	1,419	1,094	1,189	1,226	1,212	1,206	1,160	1,142	1,141	1,102
25-29 years old	1,093	926	995	937	1,069	1,108	1,128	1,152	1,148	1,166	1,201	1,200
30-34 years old	688	529	428	376	517	550	581	605	625	658	696	721
35-39 years old	360	283	180	115	135	141	146	168	180	196	214	230
40 years old or more	97	86	53	28	24	24	25	26	27	28	29	31
Age of father:												
Under 20 years old	123	140	189	159	136	137	129	125	116	109	108	105
20-24 years old	990	964	1,015	779	784	803	785	768	722	696	685	651
25-29 years old	1,193	1,011	1,085	979	1,055	1,082	1,083	1,093	1,070	1,067	1,081	1,059
30-34 years old	875	681	599	537	702	739	768	780	782	806	837	845
35-39 years old	516	415	298	213	264	275	286	319	335	356	381	398
40 years old or more	363	302	214	135	135	139	141	149	153	160	167	174
Age not stated	197	248	330	342	418	437	437	447	461	475	502	524
Birth rate per 1,000 population	**23.7**	**19.4**	**18.4**	**14.6**	**15.6**	**15.9**	**15.8**	**15.9**	**15.5**	**15.5**	**15.8**	**15.6**
White	22.7	18.3	17.4	13.6	14.5	14.9	14.8	14.9	14.6	14.5	14.8	14.5
Black	31.9	27.7	25.3	20.7	22.0	22.1	21.6	21.4	20.9	20.8	21.1	21.2
Male	24.7	20.3	19.4	15.4	16.4	16.8	16.7	16.7	16.4	16.3	16.6	16.4
Female	22.8	18.6	17.4	13.8	14.8	15.1	15.0	15.1	14.7	14.7	15.0	14.8
Plural birth ratio [3]	20.4	20.1	[4] 18.1	19.2	19.5	19.3	19.7	19.9	20.3	20.3	21.0	21.6
White	19.3	19.0	[4] 17.3	18.5	18.6	18.5	18.8	19.2	19.6	19.8	20.4	21.2
Black	(NA)	(NA)	[4] 22.8	23.1	24.2	24.1	24.7	24.1	24.5	24.2	25.3	24.9
Birth rate per 1,000 women [5]	**118.0**	**96.6**	**87.9**	**66.0**	**67.2**	**68.4**	**67.4**	**67.3**	**65.8**	**65.4**	**66.2**	**65.4**
White [5]	113.2	91.4	84.1	62.5	63.4	64.7	63.9	63.9	62.4	62.2	63.0	61.9
Black [5]	153.5	133.2	115.4	87.9	88.3	88.1	85.4	84.1	81.7	81.4	82.2	82.4
Age of mother:												
10-14 years old	.8	.8	1.2	1.3	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.3
15-19 years old	89.1	70.5	68.3	55.6	52.3	53.0	52.7	52.9	51.7	50.9	51.3	50.6
20-24 years old	258.1	195.3	167.8	113.0	112.8	115.1	111.8	111.3	108.3	107.3	108.9	108.2
25-29 years old	197.4	161.6	145.1	108.2	111.4	112.9	112.0	111.0	108.7	108.3	110.5	109.2
30-34 years old	112.7	94.4	73.3	52.3	60.3	61.9	61.4	64.2	64.6	66.5	68.5	69.3
35-39 years old	56.2	46.2	31.7	19.5	19.5	19.8	20.0	21.1	22.1	22.8	23.9	24.3
40-44 years old	15.5	12.8	8.1	4.6	3.9	3.9	3.8	3.9	3.8	3.9	4.0	4.1
45-49 years old	[6] .9	.8	.5	.3	.2	.2	.2	.2	.2	.2	.2	.2
Birth rate per 1,000 men [7]	**94.8**	**77.4**	**71.5**	**53.8**	**55.8**	**57.0**	**56.3**	**56.4**	**55.3**	**55.0**	**55.7**	**54.9**
White [7]	89.8	72.3	67.1	49.8	51.6	52.9	52.3	52.5	51.5	51.2	51.9	50.9
Black [7]	(NA)	(NA)	107.4	82.1	83.7	83.8	81.2	79.8	78.0	77.6	78.2	78.3
Age of father: [8]												
15-19 years old [9]	21.5	20.0	25.6	20.8	18.5	18.8	18.5	18.7	18.4	18.0	18.2	18.1
20-24 years old	202.2	163.2	146.6	96.2	90.6	92.0	88.0	86.1	83.5	81.9	82.8	82.3
25-29 years old	232.6	193.7	175.0	123.9	122.4	123.0	119.7	117.4	113.9	111.0	111.9	109.1
30-34 years old	154.2	131.8	112.3	81.5	89.3	91.0	88.6	90.4	88.7	88.8	89.7	88.7
35-39 years old	87.4	73.9	57.6	39.9	42.2	42.8	43.2	44.2	45.3	45.7	47.0	46.5
40-44 years old	42.6	34.0	24.9	16.5	16.7	17.1	16.9	17.6	17.2	17.8	18.1	18.4
45-49 years old	16.7	13.2	9.1	6.1	6.0	6.1	6.3	6.4	6.4	6.3	6.6	6.7
50-54 years old	6.2	4.7	3.1	2.2	2.3	2.2	2.3	2.4	2.3	2.4	2.5	2.5
55 years old and over	1.0	.8	.6	.4	.3	.4	.4	.4	.3	.4	.4	.4

NA Not available. [1] Includes other races, not shown separately. [2] For explanation, see Guide to Tabular Presentation. For 1960, change from 1955. [3] Per 1,000 live births. [4] 1971. [5] Per 1,000 women, 15-44 years old in specified group. [6] Rate computed by relating births to mothers 45 years old and over to women 45 to 49 years old. [7] Rate computed by relating total births, regardless of age of father, to 1,000 men, 15-54 years old in specified group. [8] Rates by age of father computed using frequencies with age not stated distributed among all age groups. [9] Rate computed by relating births to fathers under 20 years of age to men 15-19 years old.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States,* annual; and unpublished data.

No. 86. Live Births—Number and Rate, by State: 1970 to 1987

[Registered births. Excludes births to nonresidents of the U.S., except as noted. See Appendix III. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	NUMBER (1,000)								RATE PER 1,000 POPULATION[2]							
	By State of residence						By State of occurrence[1]		By State of residence						By State of occurrence[1]	
	1970	1975	1980	1984	1985	1986	1986	1987	1970	1975	1980	1984	1985	1986	1986	1987
U.S.	**3,731**	**3,144**	**3,612**	**3,669**	**3,761**	**3,757**	**P 3,731**	**P 3,829**	**18.4**	**14.6**	**15.9**	**15.5**	**15.8**	**15.6**	**[3] 15.5**	**[3] 15.7**
Region:																
Northeast	831	625	656	682	705	715	704	736	16.9	12.6	13.4	13.7	14.1	14.3	14.0	14.6
Midwest	1,038	855	956	901	909	890	885	882	18.4	14.8	16.2	15.3	15.3	15.0	14.9	14.8
South	1,208	1,062	1,232	1,267	1,300	1,297	1,303	1,314	19.2	15.3	16.4	15.7	15.9	15.6	15.7	15.7
West	654	602	768	819	847	855	848	873	18.8	15.6	17.8	17.5	17.7	17.5	17.0	17.6
New England	**200**	**148**	**162**	**172**	**179**	**181**	**175**	**188**	**16.9**	**12.2**	**13.1**	**13.7**	**14.2**	**14.2**	**13.7**	**14.6**
Maine	18	15	16	17	17	17	16	16	17.9	14.2	14.6	14.5	14.5	14.3	13.6	13.6
New Hampshire	13	11	14	14	15	16	16	16	17.9	13.3	14.9	14.6	15.5	15.5	15.9	15.5
Vermont	8	7	8	8	8	8	8	7	18.8	14.1	15.4	15.1	15.0	15.0	13.9	13.2
Massachusetts	95	68	73	78	82	82	80	87	16.6	11.9	12.7	13.5	14.1	14.1	13.7	14.8
Rhode Island	16	11	12	13	13	13	14	15	16.5	11.3	12.9	13.2	13.5	13.8	14.3	14.7
Connecticut	50	36	39	42	44	45	41	47	16.7	11.6	12.5	13.4	13.9	14.0	12.7	14.5
Middle Atlantic	**630**	**477**	**495**	**509**	**526**	**534**	**530**	**548**	**16.9**	**12.8**	**13.4**	**13.7**	**14.1**	**14.3**	**14.2**	**14.6**
New York	318	236	239	251	259	264	265	270	17.4	13.1	13.6	14.1	14.6	14.8	14.9	15.2
New Jersey	120	92	97	101	106	109	105	111	16.8	12.5	13.2	13.5	14.0	14.3	13.7	14.5
Pennsylvania	193	149	159	157	161	161	160	166	16.3	12.5	13.4	13.2	13.5	13.5	13.5	13.9
East North Central	**754**	**610**	**668**	**627**	**634**	**624**	**619**	**619**	**18.7**	**14.8**	**16.0**	**15.1**	**15.2**	**15.0**	**14.8**	**14.8**
Ohio	200	159	169	159	160	158	158	157	18.7	14.7	15.7	14.8	14.9	14.7	14.7	14.5
Indiana	99	82	88	80	81	79	80	78	19.1	15.4	16.1	14.6	14.7	14.4	14.5	14.0
Illinois	205	169	190	179	181	177	172	178	18.5	15.0	16.6	15.6	15.7	15.3	14.9	15.3
Michigan	172	134	146	136	138	138	136	136	19.4	14.7	15.7	15.0	15.2	15.1	14.9	14.8
Wisconsin	78	65	75	73	74	72	72	70	17.6	14.3	15.9	15.4	15.4	15.1	15.1	14.7
West North Central	**284**	**246**	**288**	**274**	**275**	**266**	**266**	**263**	**17.4**	**14.7**	**16.8**	**15.7**	**15.6**	**15.1**	**15.1**	**14.9**
Minnesota	68	56	68	67	67	66	65	64	18.0	14.4	16.6	16.0	16.1	15.6	15.4	15.1
Iowa	48	41	48	42	41	39	39	39	17.1	14.4	16.4	14.6	14.3	13.6	13.6	13.7
Missouri	81	69	79	75	77	75	76	76	17.3	14.3	16.1	14.9	15.3	14.9	15.0	14.9
North Dakota	11	11	12	12	12	11	12	12	17.6	16.6	18.4	17.2	17.1	15.9	17.5	17.2
South Dakota	12	11	13	12	12	12	12	12	17.0	16.5	19.2	17.7	17.1	16.4	16.5	16.2
Nebraska	26	24	27	26	26	24	24	24	17.3	15.4	17.4	16.3	15.9	15.3	15.3	14.8
Kansas	38	34	41	40	40	39	38	37	17.0	14.9	17.2	16.4	16.2	16.0	15.5	15.0
South Atlantic	**574**	**482**	**547**	**576**	**599**	**608**	**607**	**629**	**18.7**	**14.0**	**14.8**	**14.6**	**14.9**	**14.8**	**14.8**	**15.1**
Delaware	11	8	9	9	10	10	10	10	19.2	14.0	15.8	15.1	15.5	15.3	15.4	15.6
Maryland	69	53	60	65	68	70	62	65	17.6	12.7	14.2	15.0	15.5	15.6	13.9	14.3
District of Columbia	15	10	9	10	10	10	20	20	20.1	13.7	14.7	15.5	15.8	16.1	32.5	32.8
Virginia	86	70	78	83	86	87	84	87	18.6	13.9	14.7	14.7	15.1	15.0	14.6	14.7
West Virginia	31	28	29	25	24	23	24	24	17.8	15.3	15.1	12.6	12.5	12.1	12.6	12.4
North Carolina	98	81	84	86	89	90	91	93	19.3	14.6	14.4	14.0	14.3	14.3	14.3	14.6
South Carolina	52	47	52	51	52	52	50	51	20.1	16.1	16.6	15.3	15.6	15.3	14.7	14.8
Georgia	97	80	92	92	96	98	99	105	21.1	15.8	16.9	15.8	16.1	16.1	16.2	16.9
Florida	115	106	132	155	164	168	167	175	16.9	12.4	13.5	14.1	14.4	14.3	14.3	14.5
East South Central	**248**	**219**	**240**	**221**	**223**	**219**	**222**	**222**	**19.4**	**15.9**	**16.4**	**14.7**	**14.7**	**14.4**	**14.6**	**14.5**
Kentucky	60	55	60	53	53	52	52	51	18.7	15.8	16.3	14.3	14.2	13.9	13.9	13.7
Tennessee	72	62	69	65	67	66	72	71	18.4	14.6	15.1	13.8	14.0	13.8	15.0	14.7
Alabama	67	58	64	59	60	59	56	59	19.4	15.8	16.3	14.8	14.9	14.7	13.9	14.5
Mississippi	49	44	48	44	43	42	42	41	22.1	18.3	19.0	16.9	16.6	16.0	15.8	15.4
West South Central	**385**	**361**	**445**	**470**	**478**	**470**	**475**	**462**	**20.0**	**16.9**	**18.7**	**17.9**	**18.0**	**17.5**	**17.7**	**17.2**
Arkansas	35	34	37	35	35	34	34	33	18.5	16.0	16.3	14.9	14.9	14.5	14.4	14.0
Louisiana	74	68	82	81	81	78	78	75	20.4	17.5	19.5	18.3	18.2	17.3	17.3	16.9
Oklahoma	45	43	52	54	53	51	48	46	17.5	15.4	17.2	16.5	16.1	15.3	14.5	13.9
Texas	231	216	274	299	308	307	315	308	20.6	17.2	19.2	18.6	18.8	18.4	18.9	18.4
Mountain	**172**	**177**	**226**	**232**	**235**	**234**	**230**	**235**	**20.7**	**17.9**	**19.9**	**18.4**	**18.4**	**18.0**	**17.7**	**17.9**
Montana	13	12	14	14	13	13	12	12	18.2	16.1	18.1	17.2	16.4	15.6	15.1	14.8
Idaho	14	16	20	18	18	16	16	16	20.3	19.5	21.4	18.0	17.5	16.4	16.3	16.0
Wyoming	7	7	11	10	9	9	8	7	19.6	18.3	22.5	19.0	18.4	17.0	15.8	14.5
Colorado	42	40	50	54	55	55	56	54	18.8	15.5	17.2	17.0	17.0	16.9	17.1	16.5
New Mexico	22	21	26	27	28	27	24	30	21.8	18.1	20.0	19.2	19.1	18.5	16.2	20.1
Arizona	38	40	50	55	59	61	61	63	21.3	17.3	18.4	17.9	18.6	18.6	18.4	18.7
Utah	27	32	42	38	37	36	37	38	25.5	25.7	28.6	23.6	22.8	21.9	22.4	21.4
Nevada	10	9	13	15	15	16	15	16	19.6	14.6	16.6	16.1	16.4	16.4	15.8	16.2
Pacific	**483**	**425**	**542**	**587**	**612**	**621**	**619**	**638**	**18.2**	**14.8**	**17.0**	**17.1**	**17.5**	**17.4**	**17.3**	**17.5**
Washington	61	51	68	69	70	69	69	74	17.8	14.0	16.4	15.8	15.9	15.6	15.4	16.3
Oregon	35	33	43	40	39	39	40	40	16.8	14.4	16.4	14.8	14.7	14.4	15.0	14.6
California	363	317	403	448	471	482	479	494	18.2	14.7	17.0	17.4	17.9	17.9	17.7	17.9
Alaska	8	7	10	12	13	12	12	11	25.1	20.7	23.7	24.7	24.6	22.9	23.2	21.8
Hawaii	16	16	18	19	18	18	18	19	21.4	17.8	18.8	18.0	17.4	17.2	17.2	17.2

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[1] Includes births to nonresidents. Provisional. [2] Based on population (excluding Armed Forces abroad) enumerated as of Apr. 1 for 1970 and 1980, and estimated as of July 1 for other years. [3] U.S. totals are based on monthly receipts corrected for observed differences between provisional and final monthly figures. State figures have not been corrected in this manner.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and *Monthly Vital Statistics Report*.

No. 87. Total Fertility Rate and Intrinsic Rate of Natural Increase: 1940 to 1986

[Excludes Alaska prior to 1959 and Hawaii prior to 1960. Prior to 1960, based on births adjusted for underregistration; thereafter, registered births only. Beginning 1970, excludes births to nonresidents of United States. The *total fertility rate* is the number of births that 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the specified year. A total fertility rate of 2,110 represents "replacement level" fertility for the total population under current mortality conditions (assuming no net immigration). The *intrinsic rate of natural increase* is the rate that would eventually prevail if a population were to experience, at each year of age, the birth rates and death rates occurring in the specified year and if those rates remained unchanged over a long period of time. Minus sign (–) indicates decrease. See also Appendix III, and *Historical Statistics, Colonial Times to 1970*, series B 11]

ANNUAL AVERAGE AND YEAR	TOTAL FERTILITY RATE			INTRINSIC RATE OF NATURAL INCREASE			YEAR	TOTAL FERTILITY RATE			INTRINSIC RATE OF NATURAL INCREASE		
	Total	White	Black and other	Total	White	Black and other		Total	White	Black and other	Total	White	Black and other
1940–1944	2,523	2,460	3,010	4.6	3.9	9.8	1971	2,267	2,161	2,920	2.6	.8	12.6
1945–1949	2,985	2,916	3,485	11.7	10.9	17.2	1972	2,010	1,907	2,628	–2.0	–3.9	9.6
1950–1954	3,337	3,221	4,185	16.8	15.4	25.7	1973	1,879	1,763	2,444	–4.5	–6.5	5.7
1955–1959	3,690	3,549	4,716	21.1	19.5	30.7	1974	1,835	1,749	2,339	–5.4	–7.2	4.0
1960–1964	3,449	3,326	4,326	18.6	17.1	27.7	1975	1,774	1,686	2,276	–6.7	–8.6	3.0
1965–1969	2,622	2,512	3,362	8.2	6.4	18.6	1976	1,738	1,652	2,223	–7.4	–9.3	2.1
1970–1974	2,094	1,997	2,680	–.7	–2.5	9.1	1977	1,790	1,703	2,278	–6.2	–8.1	3.2
1975–1979	1,774	1,685	2,270	–6.6	–8.5	3.0	1978	1,760	1,668	2,264	–6.8	–8.8	2.9
1980–1984	1,819	1,731	2,262	–5.4	–7.3	3.0	1979	1,808	1,715	2,310	–5.7	–7.7	3.8
1985–1986	1,839	1,748	2,272	–4.9	–6.7	3.2	1980	1,840	1,749	2,323	–5.1	–7.0	4.0
1965	2,913	2,783	3,808	12.1	10.3	23.1	1981	1,815	1,726	2,275	–5.5	–7.4	3.3
1966	2,721	2,603	3,532	9.7	7.9	20.4	1982	1,829	1,742	2,264	–5.2	–7.0	3.0
1967	2,558	2,447	3,299	7.4	5.6	18.2	1983	1,803	1,718	2,225	–5.7	–7.5	2.5
1968	2,464	2,366	3,108	5.9	4.2	16.0	1984	1,806	1,719	2,224	–5.6	–7.4	2.4
1969	2,456	2,360	3,061	5.7	4.1	15.4	1985	1,842	1,754	2,263	–4.8	–6.6	3.1
1970	2,480	2,385	3,067	6.0	4.5	14.4	1986	1,836	1,741	2,281	–4.9	–6.8	3.3

No. 88. Birth Rates, by Live-Birth Order and Race: 1960 to 1986

[**Births per 1,000 women 15–44 years old in specified racial group**. Live-birth order refers to number of children born alive. Figures for births of order not stated are distributed. See also headnote, table 85, and *Historical Statistics, Colonial Times to 1970*, series B 20–27]

LIVE-BIRTH ORDER	ALL RACES [1]					WHITE					BLACK				
	1960	1970	1980	1985	1986	1960	1970	1980	1985	1986	1960	1970	1980	1985	1986
Total	**118.0**	**87.9**	**68.4**	**66.2**	**65.4**	**113.2**	**84.1**	**64.7**	**63.0**	**61.9**	**153.5**	**115.4**	**88.1**	**82.2**	**82.4**
First birth	31.1	34.2	29.5	27.6	27.2	30.8	32.9	28.4	26.5	26.0	33.6	43.3	35.2	32.4	32.5
Second birth	29.2	24.2	21.8	22.0	21.8	29.2	23.7	21.0	21.4	20.9	29.3	27.1	25.7	24.5	24.5
Third birth	22.8	13.6	10.3	10.4	10.3	22.7	13.3	9.5	9.7	9.6	24.0	16.1	14.5	13.9	14.1
Fourth birth	14.6	7.2	3.9	3.8	3.8	14.1	6.8	3.4	3.3	3.3	18.6	10.0	6.7	6.3	6.3
Fifth birth	8.3	3.8	1.5	1.4	1.4	7.5	3.4	1.3	1.1	1.1	14.1	6.4	3.0	2.7	2.7
Sixth and seventh	7.6	3.2	1.0	.8	.8	6.1	2.7	.8	.7	.6	18.4	7.0	2.1	1.8	1.7
Eighth and over	4.3	1.8	.4	.3	.3	2.8	1.2	.3	.2	.2	15.6	5.6	.9	.6	.5

[1] Includes other races not shown separately.

No. 89. Live Births, by Race and Type of Hispanic Origin—Selected Characteristics: 1985 and 1986

[Represents registered births. Excludes births to nonresidents of the U.S. Data are available on race of mother from all States, but data on Hispanic origin of mother are available from only 23 States and the District of Columbia. However, approximately 90 percent of all births to Hispanic mothers occur to residents of these 23 States. See Appendix III]

RACE AND HISPANIC ORIGIN	NUMBER OF BIRTHS (1,000)		BIRTHS TO TEENAGE MOTHERS, PERCENT OF TOTAL		BIRTHS TO UNMARRIED MOTHERS, PERCENT OF TOTAL		PERCENT OF MOTHERS BEGINNING PRENATAL CARE DURING—				PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT [1]	
							First trimester		Third trimester or no care			
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
Total	**3,761**	**3,757**	**12.7**	**12.6**	**22.0**	**23.4**	**76.2**	**75.9**	**5.7**	**6.0**	**6.8**	**6.8**
White	2,991	2,970	10.8	10.6	14.5	15.7	79.4	79.2	4.7	5.0	5.6	5.6
Black	608	621	23.0	22.8	60.1	61.2	61.8	61.6	10.0	10.6	12.4	12.5
American Indian	43	43	19.1	19.2	40.7	(NA)	60.3	(NA)	11.5	(NA)	5.9	6.2
Asian and Pacific Islander [2]	116	119	5.5	5.6	10.1	(NA)	75.0	(NA)	6.1	(NA)	6.1	6.4
Filipino	21	22	5.8	5.9	12.1	(NA)	77.2	(NA)	4.6	(NA)	6.9	7.3
Chinese	18	18	1.1	1.1	3.7	(NA)	82.4	(NA)	4.2	(NA)	5.0	4.9
Japanese	10	10	2.9	3.0	7.9	(NA)	85.8	(NA)	2.6	(NA)	5.9	5.6
Hispanic origin [3]	373	389	16.5	16.4	29.5	31.6	61.2	60.3	12.5	13.0	6.2	6.1
Mexican	243	246	17.5	17.4	25.7	27.9	59.9	58.9	12.9	13.4	5.8	5.6
Puerto Rican	35	37	20.9	20.9	51.1	52.6	58.3	57.2	15.5	17.4	8.7	9.2
Cuban	10	10	7.1	5.8	16.1	15.8	72.5	81.8	3.7	4.2	6.0	5.5

NA Not available. [1] Births less than 2,500 grams (5 lb.–8 oz.). [2] Includes races not shown separately. [3] Hispanic persons may be of any race. Includes other types, not shown separately.

Source of tables 87–89: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 90. Live Births, by Place of Delivery; Median and Low-Birth Weight; and Prenatal Care: 1960 to 1986

[Represents registered births. Beginning 1970, excludes births to nonresidents of the U.S. For total number of births, see table 83. See Appendix III]

YEAR	BIRTHS ATTENDED (1,000)			MEDIAN BIRTH WEIGHT			PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT [4]			PERCENT OF BIRTHS BY PERIOD IN WHICH PRENATAL CARE BEGAN	
	In hospital [1]	Not in hospital									
		Physician	Midwife and other [2]	Total [3]	White	Black	Total [3]	White	Black	1st trimester	3d trimester or no prenatal care
1960	4,114	49	94	7 lb.-5 oz	7 lb.-6 oz	6 lb.-15 oz.[5]	7.7	6.8	[5] 12.8	(NA)	(NA)
1965	3,661	33	66	7 lb.-4 oz	7 lb.-5 oz	6 lb.-14 oz.[5]	8.3	7.2	[5] 13.8	(NA)	(NA)
1970	3,708	5	18	7 lb.-4 oz	7 lb.-5 oz	6 lb.-14 oz	7.9	6.8	13.9	68.0	7.9
1975	3,105	11	28	7 lb.-5 oz	7 lb.-7 oz	6 lb.-15 oz	7.4	6.3	13.1	72.4	6.0
1977	3,278	13	36	7 lb.-6 oz	7 lb.-8 oz	6 lb.-15 oz	7.1	5.9	12.8	74.1	5.6
1978	3,301	12	21	7 lb.-6 oz	7 lb.-8 oz	6 lb.-15 oz	7.1	5.9	12.9	74.9	5.4
1979	3,460	12	22	7 lb.-7 oz	7 lb.-8 oz	6 lb.-15 oz	6.9	5.8	12.6	75.9	5.1
1980	3,576	12	24	7 lb.-7 oz	7 lb.-8 oz	7 lb.-0 oz	6.8	5.7	12.5	76.3	5.1
1981	3,592	11	27	7 lb.-7 oz	7 lb.-8 oz	7 lb.-0 oz	6.8	5.7	12.5	76.3	5.2
1982	3,642	10	28	7 lb.-7 oz	7 lb.-8 oz	7 lb.-0 oz	6.8	5.6	12.4	76.1	5.5
1983	3,600	10	29	7 lb.-7 oz	7 lb.-8 oz	7 lb.-0 oz	6.8	5.7	12.6	76.2	5.6
1984	3,631	10	28	7 lb.-7 oz	7 lb.-9 oz	7 lb.-0 oz	6.7	5.6	12.4	76.5	5.6
1985	3,722	10	29	7 lb.-7 oz	7 lb.-9 oz	7 lb.-0 oz	6.8	5.6	12.4	76.2	5.7
1986	3,720	9	27	7 lb.-7 oz	7 lb.-9 oz	7 lb.-0 oz	6.8	5.6	12.5	75.9	6.0

NA Not available. [1] Includes all births in hospitals or institutions and in clinics. [2] Includes births with attendant not specified. [3] Includes other races not shown separately. [4] Through 1978, births of 2,500 grams (5 lb.-8 oz.) or less at birth; thereafter, less than 2,500 grams. [5] Black and other races.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 91. Cesarean Section Deliveries, by Age of Mother: 1970 to 1986

[**Rates are number of cesareans per 100 deliveries.** Based on data collected from the National Hospital Discharge Survey, a sample survey of hospital records of patients discharged in year shown; subject to sampling variability]

AGE OF MOTHER	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Number of cesarean deliveries (1,000)	195	328	510	599	619	701	730	808	813	877	906
Rate: **Mothers, all ages**	5.5	10.4	15.2	16.4	16.5	17.9	18.5	20.3	21.1	22.7	24.1
Under 20 years	3.9	8.4	11.6	13.7	14.5	13.2	13.4	15.0	16.5	16.1	18.3
20-24 years	4.9	9.0	13.1	15.6	15.8	16.0	17.6	19.0	19.6	21.2	21.9
25-29 years	5.9	11.1	16.4	16.4	16.7	19.4	19.9	20.5	20.8	22.9	25.3
30-34 years	7.5	13.6	19.3	19.5	18.0	21.3	20.4	24.6	24.6	26.6	26.2
35 years and over	8.3	15.0	21.3	21.1	20.6	24.4	23.6	25.4	26.7	30.7	32.6

Source: U.S. National Center for Health Statistics, unpublished data.

No. 92. Breast-Feeding by Characteristic of Mother and Birth Year of Baby: 1970 to 1981

[Data for 1970-1975 based on 1976 National Survey of Family Growth (NSFG) and for 1976-1981 on 1982 NSFG. Based on a sample and subject to sampling variability. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC OF MOTHER	PERCENT BREAST-FED AT ALL						PERCENT BREAST-FED 3 MONTHS OR MORE					
	1970-1971	1972-1973	1974-1975	1976-1977	1978-1979	1980-1981	1970-1971	1972-1973	1974-1975	1976-1977	1978-1979	1980-1981
Total babies	24.3	23.6	32.4	42.2	44.3	52.5	10.6	10.8	15.0	25.7	28.5	32.6
White	25.8	25.6	35.5	46.2	48.1	57.2	11.2	11.4	16.6	29.0	31.2	35.8
Black	12.8	12.9	16.4	19.5	24.4	24.5	6.2	6.9	6.4	11.5	14.2	12.1
Years of school completed:												
Less than 12 years	17.9	15.5	18.1	25.6	25.3	32.1	6.0	6.8	5.6	9.6	15.5	16.4
12 years	18.5	20.4	31.0	35.3	41.4	44.9	7.3	7.2	12.0	20.1	23.1	25.8
13 years or more	39.9	39.1	50.7	62.3	55.0	73.4	20.4	22.1	31.6	43.7	42.5	50.8
Region:												
Northeast	22.5	18.6	30.1	38.5	37.6	46.6	11.3	10.3	12.7	23.0	24.6	26.3
Midwest	26.4	25.2	30.3	43.6	48.1	54.6	12.1	10.1	13.3	24.1	29.4	33.5
South	17.6	16.2	25.2	32.1	31.8	41.8	7.2	7.4	10.0	19.0	19.1	26.2
West	35.3	43.3	50.5	62.0	66.5	70.1	13.6	20.0	29.4	42.3	47.1	46.8

Source: Pratt, William F, et al., "Understanding U.S. Fertility: Findings from the National Survey of Family Growth, Cycle III," *Population Bulletin*, vol. 39, No. 5 (Population Reference Bureau, Inc., Washington, DC, 1984).

NO. 93. BIRTHS TO UNMARRIED WOMEN, BY RACE OF CHILD AND AGE OF MOTHER: 1970 TO 1

[Excludes births to nonresidents of U.S. Data for 1970 and 1975 include estimates for States in which marital status data we reported. Beginning in 1980, marital status is inferred from a comparison of the child's and parents' surnames on the birth c cate for those States that do not report on marital status. No estimates included for misstatements on birth records or failu register births. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series B 28-35]

RACE OF CHILD AND AGE OF MOTHER	1970	1975	1980	1985	1986
NUMBER (1,000)					
Total live births [1]	**398.7**	**447.9**	**665.7**	**828.2**	**878.5**
White	175.1	186.4	320.1	433.0	466.8
Black	215.1	249.6	325.7	365.5	380.3
Under 15 years	9.5	11.0	9.0	9.4	9.4
15-19 years	190.4	222.5	262.8	270.9	280.7
20-24 years	126.7	134.0	237.3	300.4	316.2
25-29 years	40.6	50.2	99.6	152.0	165.7
30-34 years	19.1	19.8	41.0	67.3	74.9
35 years and over	12.4	10.4	16.1	28.2	31.6
PERCENT DISTRIBUTION					
Total [1]	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
White	43.9	41.6	48.1	52.3	53.1
Black	54.0	55.7	48.9	44.1	43.3
Under 15 years	2.4	2.5	1.4	1.1	1.1
15-19 years	47.8	49.7	39.5	32.7	32.0
20-24 years	31.8	29.9	35.6	36.3	36.0
25-29 years	10.2	11.2	15.0	18.4	18.9
30-34 years	4.8	4.4	6.2	8.1	8.5
35 years and over	3.1	2.3	2.4	3.4	3.6

RACE OF CHILD AND AGE OF MOTHER	1970	1975	1980	1985
BIRTHS TO UNMARRIED WOMEN AS PERCENT OF ALL BIRTHS IN RACIAL GROUPS				
Total [1]	**10.7**	**14.2**	**18.4**	**22.0**
White	5.7	7.3	11.0	14.5
Black	37.6	48.8	55.2	60.1
BIRTH RATE [2]				
Total [1] [3]	**26.4**	**24.5**	**29.4**	**32.8**
White [3]	13.8	12.4	17.6	21.8
Black [3]	95.5	84.2	81.4	78.8
15-19 years	22.4	23.9	27.6	31.6
20-24 years	38.4	31.2	40.9	46.8
25-29 years	37.0	27.5	34.0	39.8
30-34 years	27.1	17.9	21.1	25.0

[1] Includes other races not shown separately. [2] Rate per 1,000 unmarried women (never-married, widowed, and divorced) e mated as of July 1. [3] Covers women aged 15-44 years.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 94. LOW BIRTH WEIGHT AND BIRTHS TO TEENAGE MOTHERS AND TO UNMARRIED WOMEN— STATES: 1980 AND 1986

[Represents registered births. Excludes births to nonresidents of the U.S. Based on 100 percent of births in 46 States and on a 5 percent sample of births in 4 States and the District of Columbia. See Appendix III]

DIVISION AND STATE	PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT [1]		BIRTHS TO TEENAGE MOTHERS, PERCENT OF TOTAL		BIRTHS TO UNMARRIED WOMEN, PERCENT OF TOTAL	
	1980	1986	1980	1986	1980	1986
U.S.	**6.8**	**6.8**	**15.6**	**12.6**	**18.4**	**23.4**
N. Eng	**6.2**	**5.9**	**11.6**	**8.9**	**15.5**	**18.6**
ME	6.5	5.1	15.3	11.6	13.9	19.0
NH	5.4	5.2	10.7	7.7	11.0	13.9
VT	5.9	5.2	13.0	9.2	13.7	16.7
MA	6.1	5.8	10.7	8.3	15.7	19.3
RI	6.3	6.4	12.3	10.3	15.7	19.8
CT	6.7	6.6	11.4	8.8	[2] 17.9	[2] 19.0
Mid. Atl	**7.1**	**7.1**	**12.6**	**10.1**	**21.3**	**26.5**
NY	7.4	7.3	11.8	9.7	[2] 23.8	[2] 29.4
NJ	7.2	6.8	12.3	9.4	21.1	22.9
PA	6.5	6.9	13.9	11.3	17.7	24.4
E. No. Cent	**6.7**	**6.8**	**15.2**	**12.5**	**18.0**	**22.8**
OH	6.8	6.7	15.7	13.3	[2] 17.8	[2] 23.4
IN	6.3	6.4	17.3	14.0	15.5	21.0
IL	7.2	7.4	15.7	12.5	22.5	27.1
MI	6.9	6.9	14.0	12.3	[2] 16.2	[2] 19.3
WI	5.4	5.4	12.3	9.9	13.9	19.6
W. No. Cent	**5.7**	**5.8**	**13.5**	**10.2**	**13.1**	**17.8**
MN	5.1	5.1	10.4	7.3	11.4	16.3
IA	5.0	5.2	12.5	9.2	10.3	15.0
MO	6.6	6.8	16.9	13.4	17.6	22.5
ND	4.9	4.9	10.9	8.0	9.2	12.9
SD	5.1	5.3	13.5	9.7	13.4	17.5
NE	5.6	5.5	12.1	8.9	11.6	15.5
KS	5.8	6.2	15.0	11.5	12.3	16.7
So. Atl	**8.0**	**7.8**	**18.3**	**14.5**	**22.2**	**26.5**
DE	7.7	7.4	16.7	13.2	24.2	27.0
MD	8.2	7.7	14.8	11.7	[2] 25.2	[2] 30.5
DC	12.8	12.2	20.7	17.0	56.5	57.7

DIVISION AND STATE	PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT [1]		BIRTHS TO TEENAGE MOTHERS, PERCENT OF TOTAL		BIRTHS TO UNMARRIED WOMEN, PERCENT OF TOTAL	
	1980	1986	1980	1986	1980	19
So. Atl.—Con.						
VA	7.5	7.0	15.5	12.0	19.2	2
WV	6.7	7.0	20.1	17.1	13.1	1
NC	7.9	7.9	19.2	15.9	19.0	2
SC	8.6	6.6	19.8	16.6	23.0	2
GA	8.6	8.1	20.7	17.0	23.2	2
FL	7.6	7.6	18.2	13.8	23.0	2
E. So. Cent	**7.8**	**7.9**	**21.0**	**17.9**	**20.9**	**2**
KY	6.8	7.1	21.1	17.4	15.1	2
TN	8.0	7.9	19.9	17.0	19.9	2
AL	7.9	8.0	20.6	17.4	22.2	2
MS	8.7	8.7	23.2	20.5	28.0	34
W. So. Cent	**7.3**	**7.2**	**19.1**	**15.8**	**15.8**	**20**
AR	7.6	7.6	21.6	19.0	20.5	24
LA	8.6	8.6	20.1	16.8	23.4	30
OK	6.8	6.5	19.6	15.6	14.0	18
TX	6.9	6.8	18.3	15.2	[2] 13.3	[2] 17
Mt	**6.6**	**6.5**	**14.3**	**11.8**	**12.7**	**19**
MT	5.6	5.9	12.4	10.1	[2] 12.5	[2] 17
ID	5.3	5.2	13.1	10.8	7.9	11
WY	7.3	6.8	15.5	10.7	8.2	13
CO	8.2	7.7	13.3	10.2	13.0	18
NM	7.6	7.1	18.2	15.3	16.1	27
AZ	6.2	6.2	16.5	13.8	18.7	25.
UT	5.2	5.4	11.0	9.3	6.2	9.
NV	6.6	7.4	15.4	11.9	[2] 13.5	[2] 16.
Pac	**5.8**	**5.8**	**13.6**	**10.8**	**19.6**	**25.**
WA	5.1	5.2	12.5	10.4	13.6	19.
OR	4.9	5.1	13.3	10.9	14.8	20.
CA	5.9	6.0	13.9	10.9	[2] 21.4	[2] 26.
AK	5.4	4.6	11.8	8.7	15.1	20.
HI	7.1	6.9	11.5	9.6	17.6	20.

[1] Less than 2,500 grams (5 pounds-8 ounces). [2] Marital status of mother is inferred.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

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No. 95. Women Who Have Had a Child in the Last Year, by Age: 1980 to 1987

[As of **June**. See headnote, table 96]

AGE OF MOTHER	WOMEN WHO HAD A CHILD IN LAST YEAR (1,000)				TOTAL BIRTHS PER 1,000 WOMEN				FIRST BIRTHS PER 1,000 WOMEN				FIRST BIRTHS AS PERCENT OF TOTAL	
	1980	1985	1986	1987	1980	1985	1986	1987	1980	1985	1986	1987	1980	1987
Total	**3,247**	**3,497**	**3,625**	**3,701**	**71.1**	**68.6**	**70.3**	**71.0**	**28.5**	**27.1**	**26.4**	**27.4**	**40.1**	**38.6**
18–29 years old	2,476	2,512	2,452	2,521	103.7	101.4	99.7	103.9	48.6	47.1	44.4	48.0	46.9	46.3
18–24 years old	1,396	1,339	1,209	1,277	96.6	95.4	88.6	95.6	(NA)	53.5	47.5	50.9	(NA)	53.2
25–29 years old	1,081	1,173	1,243	1,244	114.8	109.2	113.6	114.0	(NA)	38.7	40.5	44.6	(NA)	39.1
30–44 years old	770	984	1,174	1,180	35.4	37.6	43.5	42.3	6.3	8.0	10.0	9.4	17.8	22.2
30–34 years old	519	704	815	786	60.0	69.9	78.9	74.1	(NA)	15.8	20.2	18.2	(NA)	24.6
35–39 years old	192	229	285	341	26.9	25.9	30.3	36.2	(NA)	5.2	5.4	6.5	(NA)	18.2
40–44 years old	59	51	74	53	9.9	7.1	10.2	6.8	(NA)	.8	1.5	1.0	(NA)	15.1

NA Not available.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 427 and earlier reports.

No. 96. Social and Economic Characteristics of Women, 18–44 Years Old, Who Have Had a Child in the Last Year: 1987

[As of **June**. Covers civilian noninstitutional population. Since the number of women who had a birth during the 12-month period was tabulated and not the actual numbers of births, some small underestimation of fertility for this period may exist due to the omission of: (1) Multiple births, (2) Two or more live births spaced within the 12-month period (the woman is counted only once), (3) Women who had births in the period and who did not survive to the survey date, (4) Women who were in institutions and therefore not in the survey universe. These losses may be somewhat offset by the inclusion in the CPS of births to immigrants who did not have their children born in the United States and births to nonresident women. These births would not have been recorded in the vital registration system. Based on Current Population Survey (CPS); see text, section 1 and Appendix III]

CHARACTERISTIC	TOTAL, 18 TO 44 YEARS OLD			18 TO 29 YEARS OLD			30 TO 44 YEARS OLD		
	Number of women (1,000)	Women who have had a child in the last year		Number of women (1,000)	Women who have had a child in the last year		Number of women (1,000)	Women who have had a child in the last year	
		Total births per 1,000 women	First births per 1,000 women		Total births per 1,000 women	First births per 1,000 women		Total births per 1,000 women	First births per 1,000 women
Total[1]	**52,139**	**71.0**	**27.4**	**24,265**	**103.9**	**48.0**	**27,874**	**42.3**	**9.4**
White	43,634	68.5	27.5	20,091	100.3	48.4	23,543	41.3	9.6
Black	6,734	83.2	24.8	3,402	123.0	44.6	3,331	42.5	4.6
Hispanic[2]	4,296	95.8	24.4	2,239	126.7	40.2	2,057	62.1	7.3
Married, spouse present	29,413	97.4	37.7	9,962	183.1	87.0	19,451	53.5	12.4
Married, spouse absent[3]	2,087	60.8	20.7	847	123.9	50.0	1,240	17.6	.8
Widowed or divorced	5,337	23.5	4.7	1,194	57.3	15.2	4,143	13.8	1.6
Single	15,302	38.1	16.5	12,262	42.7	19.5	3,040	19.7	4.3
Years of school completed:									
Not a high school graduate	7,868	92.7	27.2	4,001	149.4	50.5	3,868	34.1	3.1
High school, 4 years	22,202	71.6	27.9	10,517	114.7	52.7	11,685	32.8	5.5
College: 1–3 years	12,050	61.6	25.4	6,149	71.3	38.1	5,901	51.4	12.2
4 or more years	10,019	63.9	28.8	3,598	77.4	48.8	6,421	56.4	17.6
4 years	6,668	66.7	30.4	2,859	76.1	48.2	3,809	59.7	17.0
5 or more years	3,350	58.4	25.6	739	82.3	50.8	2,612	51.6	18.5
Labor force status: In labor force	37,925	49.6	23.1	17,703	71.1	39.4	20,222	30.8	8.9
Employed	35,351	47.1	22.4	16,095	68.0	38.7	19,256	29.7	8.8
Unemployed	2,574	84.1	32.7	1,608	102.3	46.5	966	53.7	9.8
Not in labor force	14,214	128.0	38.8	6,562	192.4	71.3	7,653	72.8	10.9
Occupation of employed women:									
Managerial-professional	8,779	48.1	24.4	3,035	67.3	44.2	5,744	37.9	14.0
Technical, sales, and admin. support	16,135	47.6	23.9	7,907	70.1	40.2	8,227	26.0	8.2
Service workers	6,129	46.2	20.2	3,297	62.4	33.8	2,832	27.3	4.3
Precision prod., craft, and repair	853	26.7	13.8	318	33.2	16.0	535	22.8	12.6
Operators, fabricators, and laborers	3,047	47.7	17.6	1,336	75.9	37.8	1,710	25.6	1.9
Farming, forestry, and fishing	408	56.6	9.6	202	83.8	19.5	206	29.9	-
Family income: Under $10,000	8,140	95.1	27.7	4,679	136.1	48.4	3,462	39.8	2.3
$10,000–$14,999	5,472	83.1	34.0	3,076	114.8	55.3	2,396	42.5	6.6
$15,000–$19,999	5,044	76.5	32.5	2,547	117.6	58.7	2,498	34.4	5.8
$20,000–$24,999	5,170	71.6	25.2	2,436	102.7	44.8	2,735	44.0	7.8
$25,000–$29,999	4,635	80.3	33.6	2,041	124.9	64.5	2,594	45.1	9.3
$30,000–$34,999	4,861	63.4	26.5	2,044	106.1	51.0	2,817	32.4	8.7
$35,000 and over	17,081	54.7	24.0	6,701	66.4	38.4	10,380	47.1	14.7

- Represents or rounds to zero. [1] Includes women of other races and women with family income not reported, not shown separately. [2] Hispanic persons may be of any race. [3] Includes separated women.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 427.

NO. 97. WOMEN WHO HAVE HAD A CHILD IN THE LAST YEAR, BY AGE AND LABOR FORCE STATUS: 1976 TO 1987

[See headnote, table 96]

YEAR	TOTAL, 18 TO 44 YEARS OLD				18 TO 29 YEARS OLD				30 TO 44 YEARS OLD			
	All women, percent in labor force	Women who have had a child in the last year			All women, percent in labor force	Women who have had a child in the last year			All women, percent in labor force	Women who have had a child in the last year		
		Number (1,000)	In the labor force			Number (1,000)	In the labor force			Number (1,000)	In the labor force	
			Number (1,000)	Percent			Number (1,000)	Percent			Number (1,000)	Percent
1976	59.7	2,797	865	30.9	(NA)	2,220	706	31.8	(NA)	577	159	27.6
1980	66.1	3,247	1,233	38.0	68.3	2,476	947	38.2	63.7	770	287	37.3
1981	67.2	3,381	1,411	41.7	68.9	2,499	1,004	40.2	65.5	881	407	46.2
1982	68.3	3,433	1,508	43.9	69.7	2,445	1,040	42.5	66.7	988	469	47.5
1983	69.1	3,625	1,563	43.1	70.6	2,682	1,138	42.4	67.6	942	425	45.1
1984	70.2	3,311	1,547	46.7	71.5	2,375	1,058	44.5	68.9	936	489	52.2
1985	70.8	3,497	1,691	48.4	71.3	2,512	1,204	47.9	70.3	984	488	49.6
1986	72.2	3,625	1,805	49.8	72.8	2,452	1,185	48.3	71.6	1,174	620	52.8
1987	72.7	3,701	1,881	50.8	73.0	2,521	1,258	49.9	72.5	1,180	623	52.8

NA Not available.

NO. 98. CHILDLESS WOMEN AND CHILDREN EVER BORN, BY AGE OF WOMAN: 1980 TO 1987

[As of **June**. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 49-66]

AGE	PERCENT CHILDLESS AMONG WOMEN EVER MARRIED						CHILDREN EVER BORN PER 1,000 WOMEN EVER MARRIED					
	1980	1985	1987				1980	1985	1987			
			Total [1]	White	Black	Hispanic [2]			Total [1]	White	Black	Hispanic [2]
Total	[3] **18.8**	**20.3**	**18.6**	**19.5**	**11.3**	**12.1**	[3] **1,965**	**1,785**	**1,785**	**1,732**	**2,246**	**2,240**
18-19 years old	[4] 46.6	50.9	49.8	51.0	(B)	(B)	[4] 628	587	635	606	(B)	(B)
20-24 years old	40.4	40.9	39.8	41.0	24.9	19.9	930	916	940	903	1,332	1,369
25-29 years old	25.3	28.7	25.9	27.1	14.4	17.6	1,397	1,351	1,385	1,339	1,782	1,746
30-34 years old	13.7	18.3	15.6	16.1	9.5	8.1	1,970	1,775	1,788	1,752	2,098	2,335
35-39 years old	8.0	11.8	11.5	12.1	7.8	5.6	2,572	2,130	2,113	2,047	2,689	2,749
40-44 years old	6.6	8.0	10.2	10.3	8.7	7.8	3,105	2,548	2,329	2,279	2,777	3,047

B Base figure too small to meet standards for reliability of derived figure. [1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Women, 15-44 years old. [4] Women, 15-19 years old.

Source of tables 97 and 98: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 427 and earlier reports.

NO. 99. CHILDREN EVER BORN TO SINGLE WOMEN, BY AGE AND RACE OF WOMAN: 1980 AND 1987

[As of **June**. Covers civilian noninstitutional population. Refers to women never-married at time of survey. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	ALL SINGLE WOMEN [1]			WHITE SINGLE WOMEN			BLACK SINGLE WOMEN		
	Total, 18-44 years	18-29 years	30-44 years	Total, 18-44 years	18-29 years	30-44 years	Total, 18-44 years	18-29 years	30-44 years
1980									
Single women (1,000)	[2] 12,500	10,693	[3] 1,807	[2] 9,862	8,557	[3] 1,305	[2] 2,327	1,888	[3] 439
Percent by number of children born:									
None	85.7	87.3	76.4	93.5	93.9	90.5	52.2	56.7	32.6
One	8.6	8.5	9.0	4.9	4.7	5.9	24.5	26.0	18.5
Two or more	5.7	4.2	14.6	1.6	1.3	3.6	23.3	17.3	49.0
Children ever born (1,000)	[2] 3,142	2,022	[3] 1,120	[2] 898	666	[3] 232	[2] 2,199	1,325	[3] 874
Rate per 1,000 women	251	189	620	91	78	178	945	702	1,991
1987									
Single women (1,000)	15,302	12,263	3,039	11,679	9,511	2,168	3,124	2,347	778
Percent by number of children born:									
None	79.7	82.7	67.7	88.3	89.6	82.4	46.6	53.6	25.4
One	11.2	10.4	14.4	7.1	6.9	8.3	26.9	25.1	32.0
Two or more	9.1	6.9	17.9	4.6	3.5	9.3	26.6	21.2	42.5
Children ever born (1,000)	5,518	3,503	2,014	2,220	1,502	718	3,187	1,929	1,257
Rate per 1,000 women	361	286	663	190	158	331	1,020	822	1,616

[1] Includes other races not shown separately. [2] Covers single women, 18-49 years old. [3] Covers single women, 30-49 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, Nos. 375 and 427.

No. 100. Lifetime Births Expected Per 1,000 Wives: 1971 to 1987

[As of **June**. See headnote, table 101]

YEAR	LIFETIME BIRTHS TO ALL WIVES [1] AGED—			LIFETIME BIRTHS TO WHITE WIVES AGED—			LIFETIME BIRTHS TO BLACK WIVES AGED—		
	18–24	25–29	30–34	18–24	25–29	30–34	18–24	25–29	30–34
1971	2,375	2,619	2,989	2,353	2,577	2,936	2,623	3,112	3,714
1975	2,173	2,260	2,610	2,147	2,233	2,564	2,489	2,587	3,212
1980	2,134	2,166	2,248	2,130	2,146	2,223	2,155	2,426	2,522
1985	2,183	2,236	2,167	2,177	2,227	2,139	2,242	2,259	2,521
1987	2,206	2,241	2,198	2,192	2,228	2,180	2,199	2,333	2,281

[1] Includes other races not shown separately.

No. 101. Lifetime Births Expected by Wives, 18–34 Years Old—Percent Distribution: 1975 to 1987

[As of **June**. Covers currently married women in the civilian noninstitutional population. Data limited to wives reporting on birth expectations. Based on Current Population Survey; see text, section 1 and Appendix III]

YEAR AND NUMBER OF BIRTHS EXPECTED	Total [1]	AGE			RACE		Hispanic [2]	YEARS OF SCHOOL COMPLETED		
		18–24 years	25–29 years	30–34 years	White	Black		Not high school graduate	High school, 4 years	College, 1 year or more
1975: None	4.8	4.1	4.9	5.2	4.9	3.0	3.2	2.7	4.2	7.0
One	10.9	11.2	11.7	9.8	10.8	10.7	10.6	11.0	11.4	10.1
Two	49.0	58.2	50.4	38.3	49.8	40.0	40.4	37.6	49.8	55.5
Three	23.2	19.4	23.3	26.8	23.3	22.4	25.2	25.0	24.3	20.0
Four or more	12.1	7.0	9.8	19.8	11.1	24.0	20.5	23.6	10.3	7.3
1980: None	5.9	4.9	5.5	7.0	6.0	4.0	2.8	2.6	5.6	7.7
One	13.3	12.8	13.2	13.6	13.2	14.4	9.4	11.7	14.4	12.4
Two	51.1	56.0	52.8	45.7	51.5	45.3	44.3	39.7	52.6	54.4
Three	20.5	19.1	20.3	21.8	20.4	22.2	24.2	26.7	19.7	18.8
Four or more	9.3	7.2	8.3	11.9	8.8	14.2	19.4	19.4	7.7	6.8
1987: None	4.8	3.2	4.1	6.3	5.0	3.5	1.9	3.1	4.7	5.5
One	12.7	11.9	12.3	13.6	12.6	15.5	10.4	12.0	14.2	11.2
Two	50.7	55.7	51.3	47.6	51.0	47.3	43.5	42.3	51.1	52.9
Three	23.3	22.0	24.0	23.3	23.4	21.3	29.5	27.0	22.5	23.0
Four or more	8.5	7.2	8.3	9.3	7.9	12.3	14.6	15.4	7.6	7.3

[1] Includes other races, not shown separately. [2] Hispanic persons may be of any race.

Source of tables 100 and 101: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 427, and earlier reports.

No. 102. Contraceptive Use by Women, 15–44 Years Old, by Age, Race, Marital Status, and Method of Contraception: 1982

[Based on the 1982 National Survey of Family Growth; see Appendix III]

CONTRACEPTIVE STATUS AND METHOD	All women [1]	AGE			RACE		MARITAL STATUS		
		15–24 years	25–34 years	35–44 years	White	Black	Never married	Currently married	Formerly married
All women (1,000)	**54,099**	**20,150**	**19,644**	**14,305**	**45,367**	**6,985**	**19,164**	**28,231**	**6,704**
PERCENT DISTRIBUTION									
Sterile	27.2	3.2	27.9	60.1	27.7	23.7	3.2	40.9	38.0
Surgically sterile	25.7	2.6	26.4	57.3	26.1	22.2	2.6	38.9	36.1
Contraceptively sterile [2]	17.8	2.2	19.6	37.4	18.3	14.9	1.8	27.8	21.6
Noncontraceptively sterile	7.8	.3	6.8	19.9	7.8	7.3	.8	11.0	14.5
Nonsurgically sterile [3]	1.5	.6	1.5	2.8	1.6	1.5	.7	2.0	1.9
Pregnant, postpartum	5.0	6.3	6.5	1.0	4.8	5.6	2.5	7.2	2.8
Seeking pregnancy	4.2	3.5	6.2	2.5	4.0	5.4	1.2	6.7	2.1
Other nonusers	26.9	48.6	14.2	13.8	26.2	29.6	59.7	5.0	25.6
Not sexually active [4]	19.5	39.4	7.8	7.8	19.9	16.1	49.6	.2	15.1
Sexually active [4]	7.4	9.2	6.5	6.0	6.4	13.5	10.1	4.8	10.4
Nonsurgical contraceptors	36.7	38.4	45.2	22.6	37.2	35.7	33.3	40.1	31.8
Pill	15.6	23.5	17.1	2.3	15.1	19.8	18.7	13.4	15.8
IUD	4.0	1.4	6.5	4.2	3.9	4.7	1.9	4.8	6.4
Diaphragm	4.5	3.7	6.8	2.4	5.0	1.8	4.7	4.5	3.7
Condom	6.7	5.5	7.6	7.0	7.2	3.2	4.1	9.8	.8
Foam	1.3	.8	1.5	1.8	1.4	1.4	.4	2.0	1.1
Rhythm [5]	2.2	1.2	2.8	2.6	2.2	1.6	.9	3.2	1.4
Other methods [6]	2.5	2.3	2.9	2.2	2.4	3.1	2.6	2.3	2.7

[1] Includes other races, not shown separately. [2] Includes sterility of the husband or a current partner. Persons who had sterilizing operation and who gave as one reason that they had already had all the children they wanted. [3] Persons sterile from illness, accident, or congenital conditions. [4] Those having intercourse in the last 3 months before the survey. [5] Periodic abstinence and natural family planning. [6] Withdrawal, douche, suppository and less frequently used methods.

Source: U.S. National Center for Health Statistics, *Advance Data from Vital and Health Statistics*, No. 102 and unpublished data.

No. 103. Legal Abortions—Estimated Number, Rate, and Ratio, by Race: 1972 to 1985

[Refers to women 15–44 years old at time of abortion]

YEAR	ALL RACES: Women 15–44 years old (1,000)	ALL RACES: Abortions: Number (1,000)	ALL RACES: Abortions: Rate per 1,000 women	ALL RACES: Abortions: Ratio per 1,000 live births [1]	WHITE: Women 15–44 years old (1,000)	WHITE: Abortions: Number (1,000)	WHITE: Abortions: Rate per 1,000 women	WHITE: Abortions: Ratio per 1,000 live births [1]	BLACK AND OTHER: Women 15–44 years old (1,000)	BLACK AND OTHER: Abortions: Number (1,000)	BLACK AND OTHER: Abortions: Rate per 1,000 women	BLACK AND OTHER: Abortions: Ratio per 1,000 live births [1]
1972	44,588	586.8	13.2	184	38,532	455.3	11.8	175	6,056	131.5	21.7	223
1975	47,606	1,034.2	21.7	331	40,857	701.2	17.2	276	6,749	333.0	49.3	565
1976	48,721	1,179.3	24.2	361	41,721	784.9	18.8	296	7,000	394.4	56.3	638
1977	49,814	1,316.7	26.4	400	42,567	888.8	20.9	333	7,247	427.9	59.0	679
1978	50,920	1,409.6	27.7	417	43,427	969.4	22.3	356	7,493	440.2	58.7	665
1979	52,016	1,497.7	28.8	422	44,266	1,062.4	24.0	373	7,750	435.3	56.2	625
1980	53,048	1,553.9	29.3	428	44,942	1,093.6	24.3	376	8,106	460.3	56.5	642
1981	53,901	1,577.3	29.3	429	45,494	1,107.8	24.3	377	8,407	469.6	55.9	645
1982	54,679	1,573.9	28.8	428	46,049	1,095.2	23.8	373	8,630	478.7	55.5	646
1983	55,340	1,575.0	28.5	436	46,506	1,084.4	23.3	376	8,834	490.6	55.5	670
1984	56,061	1,577.2	28.1	422	47,023	(NA)	(NA)	(NA)	9,038	(NA)	(NA)	(NA)
1985	56,754	1,588.6	28.0	425	47,512	(NA)	(NA)	(NA)	9,242	(NA)	(NA)	(NA)

NA Not available. [1] See headnote, table 105.

Source: 1972, U.S. Centers for Disease Control, Atlanta, GA, *Abortion Surveillance, Annual Summary, 1972*, 1974, and The Alan Guttmacher Institute; 1975–1981, S.K. Henshaw and E. Blaine, eds., *Abortion Services in the United States, Each State and Metropolitan Area, 1981–1982*, The Alan Guttmacher Institute, New York, NY, 1985 (copyright); 1982 and 1983, S.K. Henshaw, "Characteristics of U.S. Women Having Abortions, 1982–1983," *Family Planning Perspectives*, vol. 19, No. 1, Jan./Feb. 1987, The Alan Guttmacher Institute, New York, NY; 1984 and 1985, S.K. Henshaw, J.D. Forrest and J. Von Vort, "Abortion Services in the United States, 1984 and 1985," *Family Planning Perspectives*, vol. 19, No. 2, March/April 1987, The Alan Guttmacher Institute, New York, NY.

No. 104. Legal Abortions, by Selected Characteristics: 1973 to 1983

[Number of abortions from surveys conducted by source; characteristics from the U.S. Centers for Disease Control's (CDC) annual abortion surveillance summaries, with adjustments for changes in States reporting data to the CDC each year]

CHARACTERISTIC	NUMBER (1,000): 1973	NUMBER (1,000): 1975	NUMBER (1,000): 1979	NUMBER (1,000): 1980	NUMBER (1,000): 1981	NUMBER (1,000): 1982	NUMBER (1,000): 1983	PERCENT DISTRIBUTION: 1973	PERCENT DISTRIBUTION: 1980	PERCENT DISTRIBUTION: 1983	ABORTION RATIO [1]: 1973	ABORTION RATIO [1]: 1980	ABORTION RATIO [1]: 1983
Total legal abortions	**745**	**1,034**	**1,498**	**1,554**	**1,577**	**1,574**	**1,575**	**100.0**	**100.0**	**100.0**	**193**	**300**	**304**
Age of woman:													
Less than 15 years old	12	15	16	15	15	15	16	1.6	1.0	1.0	476	607	626
15–19 years old	232	325	445	445	433	419	411	31.2	28.6	26.1	280	451	464
20–24 years old	241	332	526	549	555	552	548	32.3	35.4	34.8	181	310	325
25–29 years old	130	189	284	304	316	326	328	17.4	19.6	20.8	128	213	223
30–34 years old	73	100	142	153	167	168	172	9.7	9.8	10.9	165	213	213
35–39 years old	41	53	65	67	70	73	78	5.5	4.3	5.0	246	317	296
40 years old and over	17	21	20	21	21	21	21	2.3	1.3	1.4	334	461	439
Race of woman:													
White	549	701	1,062	1,094	1,108	1,095	1,084	73.7	70.4	68.8	178	274	274
Black and other	196	333	435	460	470	479	491	26.3	29.6	31.2	252	392	401
Marital status of woman:													
Married	216	272	322	320	299	300	295	29.0	20.6	18.7	74	98	93
Unmarried	528	762	1,176	1,234	1,279	1,274	1,280	71.0	79.4	81.3	564	649	632
Number of prior live births:													
None	411	543	868	900	912	903	890	55.2	57.9	56.5	242	365	369
1	115	194	287	305	312	321	329	15.4	19.6	20.9	108	208	217
2	104	156	207	216	220	222	228	13.9	13.9	14.4	190	283	291
3	61	78	82	83	85	82	83	8.1	5.3	5.3	228	288	287
4 or more	55	64	53	51	49	46	45	7.4	3.3	2.9	196	251	241
Number of prior induced abortions:													
None	(NA)	822	1,025	1,043	1,023	994	964	(NA)	67.1	61.2	(NA)	(NA)	(NA)
1	(NA)	170	352	373	390	393	406	(NA)	24.0	25.8	(NA)	(NA)	(NA)
2 or more	(NA)	42	121	138	165	182	205	(NA)	8.9	13.0	(NA)	(NA)	(NA)
Weeks of gestation:													
Less than 9 weeks	284	461	749	800	810	806	792	38.2	51.5	50.3	(NA)	(NA)	(NA)
9–10 weeks	222	290	413	417	424	420	424	29.7	26.8	26.9	(NA)	(NA)	(NA)
11–12 weeks	131	151	204	202	204	205	210	17.5	13.0	13.3	(NA)	(NA)	(NA)
13 weeks or more	108	112	133	136	139	143	149	14.6	8.7	9.5	(NA)	(NA)	(NA)

NA Not available. [1] Number of abortions per 1,000 abortions and live births. Live births are those which occurred from July 1 of year shown through June 30 of the following year (to match time of conception with abortions).

Source: 1973–1981, S.K. Henshaw and E. Blaine, eds., *Abortion Services in the United States, Each State and Metropolitan Area, 1981–1982*, The Alan Guttmacher Institute, New York, NY, 1985 (copyright); 1982 and 1983, S.K. Henshaw, "Characteristics of U.S. Women Having Abortions, 1982–1983," *Family Planning Perspectives*, vol. 19, No. 1, Jan./Feb. 1987, The Alan Guttmacher Institute, New York, NY.

No. 105. Legal Abortions—Number, Rate per 1,000 Women 15–44 Years Old, and Abortion/Live Birth Ratio, by State of Occurrence: 1980 and 1985

[Number of legal abortions are from surveys of hospitals, clinics, and physicians identified as providers of abortion services, conducted by the Alan Guttmacher Institute. Abortion rates are computed per 1,000 women 15–44 years of age on July 1 of specified year; abortion ratios are computed as the number of abortions per 1,000 live births from July 1 of year shown to June 30 of following year, by State of occurrence]

DIVISION AND STATE	NUMBER OF ABORTIONS (1,000)		RATE PER 1,000 WOMEN, 15–44 YEARS OLD		RATIO: ABORTIONS PER 1,000 LIVE BIRTHS	
	1980	1985	1980	1985	1980	1985
U.S.	**1,553.9**	**1,588.6**	**29.3**	**28.0**	**428**	**425**
N.E.	**83.9**	**85.4**	**28.9**	**28.6**	**530**	**504**
ME	4.8	5.0	18.6	18.6	269	308
NH	4.7	7.0	21.1	29.0	347	419
VT	3.8	3.4	30.4	26.2	466	448
MA	45.6	40.3	33.5	29.3	609	533
RI	6.6	7.8	30.7	35.5	529	572
CT	18.4	21.9	25.6	29.3	561	550
M.A.	**311.8**	**321.7**	**37.0**	**37.6**	**627**	**607**
NY	187.5	195.1	45.8	47.4	780	746
NJ	55.5	69.2	32.6	39.6	591	672
PA	68.9	57.4	26.1	21.3	423	348
E.N.C.	**242.9**	**220.6**	**24.9**	**22.1**	**369**	**356**
OH	67.1	57.4	26.8	22.4	397	357
IN	19.6	16.1	15.3	12.2	227	202
IL	69.1	65.0	25.9	23.8	374	372
MI	65.2	64.4	29.7	26.7	457	486
WI	21.8	17.8	20.1	15.7	292	246
W.N.C.	**75.2**	**68.2**	**19.2**	**16.7**	**260**	**252**
MN	19.0	16.9	20.7	16.6	288	257
IA	9.3	9.9	14.3	15.0	195	248
MO	21.6	20.1	19.4	17.3	273	261
ND	3.1	2.9	21.5	18.5	235	230
SD	1.4	1.7	9.0	10.6	103	140
NE	6.4	6.7	17.9	18.2	227	266
KS	13.6	10.2	25.6	18.2	343	264
S.A.	**254.5**	**257.1**	**29.4**	**27.1**	**462**	**429**
DE	3.7	4.6	25.9	30.9	395	451
MD	30.5	29.5	29.2	26.9	571	480
DC	28.5	23.9	168.3	145.9	1,569	1,186
S.A.–Con.						
VA	31.8	34.2	24.2	24.0	417	412
WV	3.0	4.6	6.9	10.1	104	165
NC	31.9	34.2	22.8	22.6	377	379
SC	13.7	11.2	18.2	13.7	274	228
GA	37.9	38.3	28.4	26.1	395	397
FL	73.6	76.7	35.5	31.8	547	465
E.S.C.	**65.3**	**57.4**	**19.2**	**15.8**	**271**	**258**
KY	12.8	9.8	15.1	11.0	215	189
TN	25.6	22.4	23.6	19.1	352	315
AL	20.8	19.4	23.1	20.2	331	333
MS	6.1	5.9	10.6	9.7	132	142
W.S.C.	**137.2**	**138.6**	**24.5**	**21.8**	**306**	**290**
AR	6.2	5.4	12.3	10.1	173	159
LA	17.7	19.2	17.6	17.4	218	240
OK	11.3	13.1	16.4	17.1	221	269
TX	102.0	100.8	30.0	25.5	367	320
Mt.	**68.2**	**74.6**	**25.0**	**23.6**	**302**	**316**
MT	3.7	3.7	20.1	19.0	265	268
ID	2.7	2.7	12.7	11.1	141	155
WY	1.1	1.1	9.5	7.9	107	125
CO	23.1	24.4	31.4	28.8	447	438
NM	8.4	6.1	27.0	17.4	358	219
AZ	15.8	22.3	25.0	29.9	310	373
UT	4.2	4.4	12.3	11.1	97	116
NV	9.2	9.9	46.6	40.5	697	641
Pac.	**314.9**	**355.0**	**41.0**	**42.8**	**561**	**584**
WA	37.0	31.0	37.5	28.0	522	456
OR	17.7	15.2	28.3	22.3	396	374
CA	250.4	304.1	43.7	47.9	598	640
AK	1.9	3.5	17.9	27.7	196	283
HI	8.0	11.2	34.4	43.7	441	611

Source: 1980, S.K. Henshaw and E. Blaine, eds., *Abortion Services in the United States, Each State and Metropolitan Area, 1981–1982*, The Alan Guttmacher Institute, New York, NY, 1985 (copyright); 1985, Henshaw, S.K., J.D. Forrest, and J. Van Vort, "Abortion Services in the United States, 1984 and 1985", *Family Planning Perspectives*, vol. 19, No. 2, March/April 1987, The Alan Guttmacher Institute, New York, NY.

No. 106. Expectation of Life at Birth: 1950 to 1987

[In years. Prior to 1960, excludes Alaska and Hawaii. Beginning 1970, excludes deaths of nonresidents of the United States. See also *Historical Statistics, Colonial Times to 1970*, series B 107–115]

YEAR	TOTAL			WHITE			BLACK AND OTHER			BLACK		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1950	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9	(NA)	(NA)	(NA)
1955	69.6	66.7	72.8	70.5	67.4	73.7	63.7	61.4	66.1	(NA)	(NA)	(NA)
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3	(NA)	(NA)	(NA)
1965	70.2	66.8	73.7	71.0	67.6	74.7	64.1	61.1	67.4	(NA)	(NA)	(NA)
1970	70.8	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4	64.1	60.0	68.3
1971	71.1	67.4	75.0	72.0	68.3	75.8	65.6	61.6	69.8	64.6	60.5	68.9
1972	71.2	67.4	75.1	72.0	68.3	75.9	65.7	61.5	70.1	64.7	60.4	69.1
1973	71.4	67.6	75.3	72.2	68.5	76.1	66.1	62.0	70.3	65.0	60.9	69.3
1974	72.0	68.2	75.9	72.8	69.0	76.7	67.1	62.9	71.3	66.0	61.7	70.3
1975	72.6	68.8	76.6	73.4	69.5	77.3	68.0	63.7	72.4	66.8	62.4	71.3
1976	72.9	69.1	76.8	73.6	69.9	77.5	68.4	64.2	72.7	67.2	62.9	71.6
1977	73.3	69.5	77.2	74.0	70.2	77.9	68.9	64.7	73.2	67.7	63.4	72.0
1978	73.5	69.6	77.3	74.1	70.4	78.0	69.3	65.0	73.5	68.1	63.7	72.4
1979	73.9	70.0	77.8	74.6	70.8	78.4	69.8	65.4	74.1	68.5	64.0	72.9
1980	73.7	70.0	77.4	74.4	70.7	78.1	69.5	65.3	73.6	68.1	63.8	72.5
1981	74.2	70.4	77.8	74.8	71.1	78.4	70.3	66.1	74.4	68.9	64.5	73.2
1982	74.5	70.9	78.1	75.1	71.5	78.7	71.0	66.8	75.0	69.4	65.1	73.7
1983	74.6	71.0	78.1	75.2	71.7	78.7	71.1	67.2	74.9	69.6	65.4	73.6
1984	74.7	71.2	78.2	75.3	71.8	78.7	71.3	67.4	75.0	69.7	65.6	73.7
1985	74.7	71.2	78.2	75.3	71.9	78.7	71.2	67.2	75.0	69.5	65.3	73.5
1986	74.8	71.3	78.3	75.4	72.0	78.8	71.2	67.2	75.1	69.4	65.2	73.5
1987, prel	74.9	71.5	78.3	75.5	72.1	78.8	71.6	67.6	75.4	69.7	65.4	73.8

NA Not available.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 107. SELECTED LIFE TABLE VALUES: 1959 TO 1986

[Prior to 1960, excludes Alaska and Hawaii. Beginning 1970, excludes deaths of nonresidents of the United States. See also *Historical Statistics, Colonial Times to 1970*, series B 116-125]

AGE AND SEX	TOTAL					WHITE					BLACK		
	1959-1961	1969-1971	1979-1981	1985	1986	1959-1961	1969-1971	1979-1981	1985	1986	1979-1981	1985	1986
AVERAGE EXPECTATION OF LIFE IN YEARS													
At birth: Male	66.8	67.0	70.1	71.2	71.3	67.6	67.9	70.8	71.9	72.0	64.1	65.3	65.2
Female	73.2	74.6	77.6	78.2	78.3	74.2	75.5	78.2	78.7	78.8	72.9	73.5	73.5
Age 20: Male	49.8	49.5	51.9	52.7	52.8	50.3	50.2	52.5	53.3	53.4	46.5	47.4	47.3
Female	55.6	56.6	59.0	59.3	59.4	56.3	57.2	59.4	59.8	59.9	54.9	55.3	55.3
Age 40: Male	31.4	31.5	33.6	34.3	34.5	31.7	31.9	34.0	34.7	34.9	29.5	30.2	30.3
Female	36.6	37.6	39.8	40.1	40.2	37.1	38.1	40.2	40.4	40.5	36.3	36.6	36.6
Age 50: Male	23.0	23.1	25.0	25.6	25.8	23.2	23.3	25.3	25.8	26.1	22.0	22.5	22.7
Female	27.7	28.8	30.7	30.9	31.0	28.1	29.1	31.0	31.1	31.2	27.8	27.9	28.0
Age 65: Male	13.0	13.0	14.2	14.6	14.7	13.0	13.0	14.3	14.6	14.8	13.3	13.3	13.4
Female	15.8	16.8	18.4	18.6	18.6	15.9	16.9	18.6	18.7	18.7	17.1	17.0	17.0
ANNUAL DEATHS EXPECTED PER 1,000 ALIVE AT SPECIFIED AGE [1]													
At birth: Male	29.1	22.5	13.9	12.0	11.6	25.9	20.1	12.3	10.6	10.0	23.0	19.9	20.0
Female	22.6	17.5	11.2	9.4	9.1	19.6	15.3	9.7	8.0	7.8	19.3	16.5	16.1
Age 20: Male	1.7	2.1	1.8	1.5	1.6	1.6	1.9	1.8	1.5	1.6	2.2	1.9	2.1
Female	.6	.7	.6	.5	.5	.6	.6	.6	.5	.5	.7	.6	.7
Age 40: Male	3.7	4.0	3.0	2.9	3.0	3.3	3.4	2.6	2.5	2.5	6.9	6.7	7.1
Female	2.3	2.3	1.6	1.4	1.5	1.9	1.9	1.4	1.3	1.3	3.2	2.9	3.1
Age 50: Male	10.1	9.7	7.8	6.8	6.7	9.6	8.9	7.1	6.2	6.0	14.9	13.1	13.0
Female	5.4	5.2	4.2	3.8	3.8	4.7	4.7	3.8	3.5	3.4	7.7	6.7	6.8
Age 65: Male	34.7	34.6	28.2	25.7	25.1	33.9	33.9	27.4	24.9	24.3	38.5	36.1	35.7
Female	18.5	16.8	14.3	14.0	14.0	17.4	15.6	13.6	13.5	13.4	21.6	20.9	21.2
NUMBER SURVIVING TO SPECIFIED AGE PER 1,000 BORN LIVE													
Age 20: Male	955	961	973	977	977	959	965	975	979	979	961	967	966
Female	968	973	982	985	985	971	976	984	986	986	972	976	976
Age 40: Male	916	915	933	941	938	924	926	940	946	944	885	898	891
Female	946	951	965	970	970	953	958	969	973	973	941	948	946
Age 50: Male	862	861	890	902	899	874	877	901	912	910	801	819	812
Female	913	919	941	948	948	925	929	947	953	954	896	908	905
Age 65: Male	642	643	706	729	731	658	663	724	745	748	551	561	561
Female	785	797	835	844	846	807	816	848	856	857	733	749	749

[1] See footnote 1, table 109.

Source: U.S. National Center for Health Statistics, *U.S. Life Tables and Actuarial Tables, 1959-61, 1969-71 and 1979-81; and Vital Statistics of the United States*, annual; and unpublished data.

No. 108. AVERAGE LIFETIME IN YEARS, BY SEX—STATES: 1979-1981

STATE	BOTH SEXES		Male	Female	STATE	BOTH SEXES		Male	Female	STATE	BOTH SEXES		Male	Female
	Number	Rank				Number	Rank				Number	Rank		
U.S.	**73.88**	(x)	**70.11**	**77.62**	KS	75.31	8	71.60	78.99	ND	75.71	5	72.09	79.68
AL	72.53	45	68.28	76.79	KY	73.06	41	69.14	77.12	OH	73.49	35	69.85	77.06
AK	72.24	46	68.71	76.87	LA	71.74	50	67.64	75.89	OK	73.67	[1] 31	69.63	77.81
AZ	74.30	21	70.46	78.34	ME	74.59	19	70.78	78.41	OR	74.99	14	71.35	78.77
AR	73.72	29	69.73	77.83	MD	73.32	38	69.71	76.83	PA	73.58	34	69.90	77.16
					MA	75.01	13	71.27	78.46	RI	74.76	18	70.96	78.33
CA	74.57	20	71.09	78.02	MI	73.67	[1] 31	70.07	77.29	SC	71.85	49	67.56	76.12
CO	75.30	9	71.78	78.80	MN	76.15	2	72.52	79.82	SD	74.97	16	71.03	79.21
CT	75.12	12	71.51	78.57	MS	71.98	48	67.64	76.39	TN	73.30	39	69.15	77.47
DE	73.21	40	69.56	76.78	MO	73.84	[1] 27	69.92	77.72	TX	73.64	33	69.70	77.67
DC	69.20	(x)	64.55	73.70	MT	73.93	25	70.47	77.68	UT	75.76	4	72.38	79.18
FL	74.00	[1] 23	70.08	77.98	NE	75.49	6	71.73	79.29	VT	74.79	17	71.06	78.49
GA	72.22	47	68.01	76.35	NV	72.64	44	69.26	76.48	VA	73.43	36	69.60	77.27
HI	77.02	1	74.08	80.33	NH	74.98	15	71.43	78.42	WA	75.13	11	71.74	78.57
ID	75.19	10	71.52	79.15	NJ	74.00	[1] 23	70.48	77.39	WV	72.84	43	68.86	76.93
IL	73.37	37	69.55	77.13	NM	74.01	22	69.91	78.34	WI	75.35	7	71.86	78.87
IN	73.84	[1] 27	70.16	77.46	NY	73.70	30	70.02	77.18	WY	73.85	26	69.95	78.20
IA	75.81	3	72.00	79.60	NC	72.96	42	68.60	77.35					

X Not applicable. [1] Florida and New Jersey share the same rank of 23; Indiana and Missouri share the same rank of 27; Michigan and Oklahoma share the same rank of 31. Therefore, the numbers 24, 28, and 32 are omitted in order for the States to total 50.

Source: U.S. National Center for Health Statistics, *U.S. Decennial Life Tables for 1979-81, Vol. II State Life Tables* (each State), August 1985.

No. 109. Expectation of Life and Expected Deaths, by Race, Sex, and Age: 1986

AGE IN 1986 (years)	EXPECTATION OF LIFE IN YEARS					EXPECTED DEATHS PER 1,000 ALIVE AT SPECIFIED AGE[1]				
	Total	White		Black		Total	White		Black	
		Male	Female	Male	Female		Male	Female	Male	Female
At birth	74.8	72.0	78.8	65.2	73.5	10.36	10.02	7.80	20.04	16.09
1	74.6	71.7	78.4	65.5	73.7	.72	.76	.57	1.16	.96
2	73.6	70.8	77.5	64.6	72.8	.55	.55	.44	.94	.79
3	72.7	69.8	76.5	63.6	71.9	.43	.42	.34	.76	.64
4	71.7	68.8	75.5	62.7	70.9	.35	.34	.27	.62	.52
5	70.7	67.8	74.6	61.7	69.9	.29	30	.22	.51	.43
6	69.8	66.9	73.6	60.7	69.0	.26	.28	.19	.43	.35
7	68.8	65.9	72.6	59.8	68.0	.23	.26	.17	.37	.29
8	67.8	64.9	71.6	58.8	67.0	.21	.23	.15	.33	.25
9	66.8	63.9	70.6	57.8	66.0	.19	.20	.14	.30	.22
10	65.8	62.9	69.6	56.8	65.0	.17	.18	.13	.30	.20
11	64.8	61.9	68.6	55.8	64.1	.18	.19	.14	.32	.20
12	63.8	61.0	67.7	54.9	63.1	.23	.27	.17	40	.22
13	62.9	60.0	66.7	53.9	62.1	.34	.43	.23	.52	.25
14	61.9	59.0	65.7	52.9	61.1	.47	.64	.30	.69	.30
15	60.9	58.0	64.7	52.0	60.1	.63	.88	.39	.88	.36
16	59.9	57.1	63.7	51.0	59.1	.78	1.10	.46	1.08	.43
17	59.0	56.1	62.8	50.1	58.2	.90	1.29	.52	1.30	.49
18	58.0	55.2	61.8	49.1	57.2	.99	1.42	.54	1.54	.55
19	57.1	54.3	60.8	48.2	56.2	1.04	1.50	.53	1.80	.60
20	56.2	53.4	59.9	47.3	55.3	1.09	1.58	.52	2.07	.66
21	55.2	52.5	58.9	46.4	54.3	1.15	1.66	.52	2.35	.73
22	54.3	51.5	57.9	45.5	53.3	1.18	1.70	.51	2.58	.79
23	53.3	50.6	56.9	44.6	52.4	1.20	1.69	.51	2.74	.86
24	52.4	49.7	56.0	43.7	51.4	1.19	1.66	.52	2.87	.93
25	51.5	48.8	55.0	42.8	50.5	1.18	1.60	.52	2.98	1.00
26	50.5	47.9	54.0	42.0	49.5	1.17	1.55	.53	3.12	1.07
27	49.6	47.0	53.1	41.1	48.6	1.18	1.53	.54	3.28	1.17
28	48.7	46.0	52.1	40.2	47.6	1.21	1.58	.55	3.48	1.28
29	47.7	45.1	51.1	39.4	46.7	1.27	1.62	.57	3.72	1.40
30	46.8	44.2	50.1	38.5	45.7	1.33	1.69	.60	3.98	1.55
31	45.8	43.2	49.2	37.7	44.8	1.39	1.76	.63	4.23	1.69
32	44.9	42.3	48.2	36.8	43.9	1.45	1.82	67	4.49	1.82
33	44.0	41.4	47.2	36.0	43.0	1.51	1.87	.71	4.75	1.91
34	43.0	40.5	46.3	35.2	42.1	1.56	1.90	.75	5.00	1.99
35	42.1	39.5	45.3	34.3	41.1	1.61	1.95	.79	5.27	2.07
36	41.2	38.6	44.3	33.5	40.2	1.69	2.02	.85	5.55	2.17
37	40.2	37.7	43.4	32.7	39.3	1.78	2.11	.93	5.88	2.32
38	39.3	36.8	42.4	31.9	38.4	1.90	2.22	1.03	6.25	2.53
39	38.4	35.9	41.5	31.1	37.5	2.04	2.37	1.14	6.65	2.79
40	37.4	34.9	40.5	30.3	36.6	2.20	2.54	1.27	7.11	3.09
41	36.5	34.0	39.6	29.5	35.7	2.38	2.73	1.42	7.50	3.40
42	35.6	33.1	38.6	28.7	34.8	2.57	2.95	1.57	8.02	3.68
43	34.7	32.2	37.7	28.0	34.0	2.77	3.18	1.71	8.40	3.94
44	33.8	31.3	36.7	27.2	33.1	2.98	3.43	1.86	8.75	4.18
45	32.9	30.4	35.8	26.4	32.2	3.22	3.72	2.03	9.10	4.42
46	32.0	29.5	34.9	25.7	31.4	3.50	4.05	2.22	9.52	4.71
47	31.1	28.7	33.9	24.9	30.5	3.82	4.44	2.45	10.11	5.08
48	30.2	27.8	33.0	24.1	29.7	4.21	4.90	2.72	10.92	5.56
49	29.4	26.9	32.1	23.4	28.8	4.67	5.42	3.04	11.91	6.14
50	28.5	26.1	31.2	22.7	28.0	5.17	6.00	3.39	13.03	6.78
51	27.6	25.2	30.3	22.0	27.2	5.70	6.64	3.77	14.17	7.45
52	26.8	24.4	29.4	21.3	26.4	6.27	7.35	4.15	15.25	8.08
53	26.0	23.6	28.6	20.6	25.6	6.85	8.14	4.53	16.21	8.65
54	25.1	22.7	27.7	19.9	24.8	7.46	9.01	4.93	17.09	9.19
55	24.3	21.9	26.8	19.3	24.0	8.10	9.94	5.35	17.98	9.70
56	23.5	21.2	26.0	18.6	23.3	8.82	10.94	5.83	18.95	10.31
57	22.7	20.4	25.1	18.0	22.5	9.64	12.06	6.39	20.24	11.17
58	21.9	19.6	24.3	17.3	21.8	10.60	13.30	7.07	21.94	12.35
59	21.2	18.9	23.4	16.7	21.0	11.68	14.65	7.85	23.97	13.78
60	20.4	18.2	22.6	16.1	20.3	12.87	16.14	8.70	26.24	15.39
61	19.7	17.5	21.8	15.5	19.6	14.11	17.70	9.61	28.54	16.99
62	18.9	16.8	21.0	15.0	19.0	15.36	19.31	10.53	30.68	18.40
63	18.2	16.1	20.2	14.4	18.3	16.56	20.92	11.46	32.52	19.49
64	17.5	15.4	19.5	13.9	17.7	17.82	22.57	12.40	34.13	20.35
65	16.8	14.8	18.7	13.4	17.0	19.10	24.28	13.41	35.69	21.15
70	13.6	11.7	15.1	10.8	13.9	29.01	37.82	20.93	49.25	29.85
75	10.7	9.1	11.8	8.7	11.1	43.45	57.82	32.69	68.36	42.47
80	8.1	6.9	8.8	6.8	8.5	66.00	87.57	52.87	97.05	64.22
85 and over	6.0	5.1	6.4	5.5	6.7	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00

[1] Based on the proportion of the cohort who are alive at the beginning of an indicated age interval who will die before reaching the end of that interval. For example, out of every 1,000 people alive and exactly 50 years old at the beginning of the period between 5 and 6 (5.17) will die before reaching their 51st birthdays.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 110. Deaths and Death Rates, by Sex and Race: 1960 to 1987

[**Rates are per 1,000 population for specified groups.** Except as noted, excludes deaths of nonresidents of the U.S. Excludes fetal deaths. For explanation of age-adjustment, see text, section 2. The standard population for this table is the total population of the United States enumerated in 1940. See Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 167-173 and B 181-192]

SEX AND RACE	1960 [1]	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, [1 2] prel.
Deaths [3] (1,000)	**1,712**	**1,921**	**1,893**	**1,914**	**1,990**	**1,978**	**1,975**	**2,019**	**2,039**	**2,086**	**2,105**	**2,127**
Male [3] (1,000)	976	1,078	1,051	1,045	1,075	1,064	1,056	1,072	1,077	1,098	1,104	1,108
Female [3] (1,000)	736	843	842	869	915	914	918	947	963	989	1,001	1,019
White (1,000)	1,505	1,682	1,660	1,676	1,739	1,731	1,729	1,766	1,782	1,819	1,831	1,853
Male (1,000)	861	942	918	910	934	925	919	932	935	950	953	957
Female (1,000)	644	740	743	766	805	806	810	834	847	869	878	896
Black (1,000)	196	226	218	221	233	229	227	233	236	244	250	251
Male (1,000)	108	128	124	124	130	127	126	128	129	134	137	137
Female (1,000)	88	98	94	96	103	101	101	105	107	111	113	114
Death rates [3]	**9.5**	**9.5**	**8.8**	**8.5**	**8.8**	**8.6**	**8.5**	**8.6**	**8.6**	**8.7**	**8.7**	**8.7**
Male [3]	11.0	10.9	10.0	9.6	9.8	9.5	9.4	9.4	9.4	9.5	9.4	9.4
Female [3]	8.1	8.1	7.6	7.5	7.9	7.8	7.7	7.9	7.9	8.1	8.1	8.2
White	9.5	9.5	8.9	8.7	8.9	8.8	8.7	8.8	8.9	9.0	9.0	9.0
Male	11.0	10.9	10.0	9.6	9.8	9.7	9.5	9.6	9.5	9.6	9.5	9.5
Female	8.0	8.1	7.8	7.7	8.1	8.0	8.0	8.2	8.2	8.4	8.4	8.5
Black	10.4	10.0	8.8	8.4	8.8	8.4	8.2	8.3	8.3	8.5	8.5	8.4
Male	11.8	11.9	10.6	10.0	10.3	9.9	9.6	9.6	9.6	9.8	9.9	9.7
Female	9.1	8.3	7.3	7.0	7.3	7.1	6.9	7.1	7.1	7.3	7.3	7.3
Age-adjusted death rates [3]	**7.6**	**7.1**	**6.2**	**5.8**	**5.9**	**5.7**	**5.5**	**5.5**	**5.5**	**5.5**	**5.4**	**5.4**
Male [3]	9.5	9.3	8.4	7.7	7.8	7.5	7.3	7.3	7.2	7.2	7.1	7.0
Female [3]	5.9	5.3	4.6	4.2	4.3	4.2	4.1	4.1	4.1	4.1	4.1	4.0
White	7.3	6.8	6.0	5.5	5.6	5.4	5.3	5.3	5.2	5.2	5.2	5.1
Male	9.2	8.9	8.0	7.4	7.5	7.2	7.1	7.0	6.9	6.9	6.8	6.7
Female	5.6	5.0	4.4	4.0	4.1	4.0	3.9	3.9	3.9	3.9	3.9	3.9
Black	10.7	10.4	8.9	8.1	8.4	8.0	7.8	7.8	7.7	7.8	7.8	7.7
Male	12.5	13.2	11.6	10.7	11.1	10.7	10.4	10.2	10.1	10.2	10.3	10.1
Female	9.2	8.1	6.7	6.1	6.3	6.0	5.8	5.9	5.9	5.9	5.9	5.8

[1] Includes deaths of nonresidents of the U.S. [2] Based on a 10-percent sample of deaths. [3] Includes other races, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 111. Death Rates, by Age, Sex, and Race: 1960 to 1987

[**Number of deaths per 100,000 population in specified group.** See headnote, table 110]

SEX, YEAR, AND RACE	All ages [1]	Under 1 yr. old	1–4 yr. old	5–14 yr. old	15–24 yr. old	25–34 yr. old	35–44 yr. old	45–54 yr. old	55–64 yr. old	65–74 yr. old	75–84 yr. old	85 yr. old and over
MALE [2]												
1960 [3]	1,105	3,059	120	56	152	188	373	992	2,310	4,914	10,178	21,186
1970	1,090	2,410	93	51	189	215	403	959	2,283	4,874	10,010	17,822
1975	1,002	1,786	77	41	174	199	345	859	2,019	4,409	9,154	18,135
1980	977	1,429	73	37	172	196	299	767	1,815	4,105	8,817	18,801
1985	945	1,197	58	32	141	178	278	669	1,603	3,788	8,504	18,325
1986	941	1,153	58	32	151	193	288	653	1,648	3,701	8,353	18,187
1987, prel. [3 4]	935	1,123	58	32	151	189	290	638	1,626	3,636	8,206	18,037
White: 1970	1,087	2,113	84	48	171	177	344	883	2,203	4,810	10,099	18,552
1980	983	1,230	66	35	167	171	257	699	1,729	4,036	8,830	19,097
1985	960	1,039	52	30	136	157	241	609	1,614	3,717	8,500	18,789
1987, prel. [3 4]	952	939	54	30	145	167	251	578	1,555	3,586	8,200	18,456
Black: 1970	1,187	4,298	151	67	321	560	957	1,778	3,257	5,803	9,455	12,222
1980	1,034	2,587	111	47	209	407	690	1,480	2,873	5,131	9,232	16,099
1985	977	2,135	89	41	174	347	642	1,283	2,623	4,889	9,298	15,046
1987, prel. [3 4]	973	2,218	85	46	195	370	674	1,244	2,474	4,592	9,239	14,957
FEMALE [2]												
1960 [3]	809	2,321	98	37	61	107	229	527	1,196	2,872	7,633	19,008
1970	808	1,864	75	32	68	102	231	517	1,099	2,580	6,678	15,518
1975	761	1,411	63	27	60	84	191	455	994	2,237	5,743	14,455
1980	785	1,142	55	24	58	76	159	413	934	2,145	5,440	14,747
1985	807	932	45	21	50	69	138	373	919	2,095	5,220	14,343
1986	809	906	46	20	52	72	140	365	906	2,091	5,152	14,298
1987, prel. [3 4]	816	884	44	19	52	74	135	367	910	2,070	5,102	14,377
White: 1970	813	1,615	66	30	62	84	193	463	1,015	2,471	6,699	15,980
1980	806	963	49	23	56	65	138	373	876	2,067	5,402	14,980
1985	837	787	40	19	48	59	121	340	864	2,028	5,171	14,579
1987, prel. [3 4]	851	730	44	18	50	64	116	335	858	2,012	5,076	14,642
Black: 1970	829	3,369	129	44	112	231	533	1,044	1,986	3,861	6,692	10,707
1980	733	2,124	84	31	71	150	324	768	1,561	3,057	6,212	12,367
1985	728	1,757	71	28	60	136	278	654	1,502	2,926	6,252	12,155
1987, prel. [3 4]	727	1,781	51	26	64	140	295	644	1,466	2,870	5,980	11,921

[1] Includes unknown age. [2] Includes other races not shown separately. [3] Includes deaths of nonresidents. [4] Based on a 10-percent sample of deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 112. Deaths and Death Rates, by State: 1970 to 1987

[Excludes deaths of nonresidents of the U.S., except as noted. See Appendix III. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION AND STATE	NUMBER OF DEATHS (1,000)							RATE PER 1,000 POPULATION						
	By State of residence					By State of occurrence [1]		By State of residence					By State of occurrence [1]	
	1970	1980	1984	1985	1986	1986, prel.	1987, prel.	1970	1980	1984	1985	1986	1986, prel.	1987, prel.
United States	**1,921**	**1,990**	**2,039**	**2,086**	**2,105**	**2,099**	**2,127**	**9.5**	**8.8**	**8.6**	**8.7**	**8.7**	**8.7**	**8.7**
Region:														
Northeast	499	480	478	485	488	483	486	10.2	9.8	9.6	9.7	9.7	9.7	9.7
Midwest	541	524	522	532	536	536	533	9.6	8.9	8.8	9.0	9.0	9.0	8.9
South	593	659	692	713	723	727	732	9.5	8.7	8.6	8.7	8.7	8.8	8.7
West	288	327	347	356	359	354	376	8.3	7.6	7.4	7.4	7.4	7.3	7.6
New England	**118**	**115**	**116**	**118**	**118**	**116**	**119**	**9.8**	**9.3**	**9.2**	**9.3**	**9.3**	**9.1**	**9.2**
Maine	11	11	11	11	11	11	11	11.1	9.6	9.4	9.8	9.6	9.4	9.6
New Hampshire	7	8	8	8	9	8	8	10.0	8.3	8.2	8.5	8.4	8.2	7.8
Vermont	4	5	5	5	5	5	5	10.0	9.0	8.6	8.7	8.8	8.9	8.2
Massachusetts	57	55	55	56	56	54	56	10.1	9.6	9.5	9.6	9.6	9.3	9.6
Rhode Island	9	9	9	10	10	10	10	10.0	9.8	9.8	10.0	10.0	10.2	10.0
Connecticut	28	27	28	28	28	27	28	8.6	8.8	8.8	8.9	8.8	8.6	8.8
Middle Atlantic	**383**	**365**	**362**	**367**	**370**	**367**	**368**	**10.3**	**9.9**	**9.8**	**9.9**	**9.9**	**9.8**	**9.8**
New York	188	173	171	172	174	173	172	10.3	9.8	9.6	9.7	9.8	9.7	9.7
New Jersey	68	69	69	71	72	69	70	9.5	9.4	9.2	9.4	9.4	9.1	9.1
Pennsylvania	127	124	122	124	124	125	126	10.8	10.4	10.3	10.4	10.5	10.5	10.5
East North Central	**377**	**365**	**363**	**370**	**375**	**372**	**367**	**9.4**	**8.8**	**8.7**	**8.9**	**9.0**	**8.9**	**8.8**
Ohio	100	98	97	99	100	100	98	9.4	9.1	9.0	9.2	9.3	9.3	9.1
Indiana	49	47	47	48	49	50	49	9.3	8.6	8.6	8.8	9.0	9.1	8.8
Illinois	111	103	101	102	103	101	99	10.0	9.0	8.8	8.9	8.9	8.7	8.5
Michigan	76	75	77	79	80	79	79	8.6	8.1	8.5	8.7	8.8	8.7	8.6
Wisconsin	41	41	41	41	42	42	42	9.2	8.7	8.6	8.7	8.8	8.8	8.8
West North Central	**164**	**159**	**159**	**162**	**161**	**164**	**156**	**10.1**	**9.2**	**9.1**	**9.2**	**9.2**	**9.4**	**9.4**
Minnesota	34	33	34	35	35	35	36	8.9	8.2	8.1	8.3	8.3	8.3	8.2
Iowa	29	27	27	28	27	27	27	10.4	9.3	9.3	9.7	9.5	9.3	9.5
Missouri	52	50	49	50	50	54	56	11.1	10.1	9.8	10.0	9.9	10.6	10.7
North Dakota	6	6	6	6	5	6	6	9.1	8.6	8.1	8.2	7.8	8.4	8.7
South Dakota	7	7	7	7	7	7	7	9.9	9.5	9.3	9.3	9.3	9.4	9.4
Nebraska	15	14	15	15	15	15	15	10.1	9.2	9.1	9.3	9.2	9.3	9.5
Kansas	22	22	22	22	22	22	22	9.7	9.3	9.1	9.0	9.1	8.8	8.8
South Atlantic	**290**	**330**	**350**	**364**	**372**	**374**	**379**	**9.5**	**8.9**	**8.9**	**9.0**	**9.1**	**9.1**	**9.1**
Delaware	5	5	5	5	6	6	6	9.0	8.5	8.3	8.8	8.9	9.0	8.8
Maryland	33	34	35	37	37	37	37	8.4	8.1	8.2	8.3	8.4	8.2	8.2
District of Columbia	9	7	7	7	7	8	9	11.7	11.1	10.8	11.2	11.7	13.4	13.8
Virginia	39	43	44	45	47	46	46	8.4	8.0	7.9	7.9	8.0	7.9	7.8
West Virginia	20	19	19	19	20	20	20	11.5	9.9	9.8	10.0	10.4	10.3	10.5
North Carolina	45	48	51	53	55	55	55	8.8	8.2	8.3	8.5	8.6	8.7	8.6
South Carolina	23	25	26	27	28	27	28	8.8	8.1	8.0	8.1	8.3	8.1	8.1
Georgia	42	44	47	49	49	50	50	9.1	8.1	8.0	8.1	8.1	8.2	8.0
Florida	75	105	115	121	124	125	128	11.0	10.7	10.4	10.7	10.6	10.7	10.7
East South Central	**128**	**134**	**136**	**140**	**141**	**143**	**143**	**10.0**	**9.1**	**9.1**	**9.3**	**9.3**	**9.4**	**9.4**
Kentucky	33	34	34	35	35	34	34	10.3	9.2	9.0	9.4	9.3	9.2	9.1
Tennessee	38	41	42	43	44	47	48	9.7	8.9	9.0	9.1	9.2	9.9	10.0
Alabama	34	36	37	38	38	37	37	9.8	9.1	9.2	9.3	9.3	9.2	9.1
Mississippi	23	24	24	25	24	24	24	10.5	9.4	9.2	9.4	9.3	9.0	9.1
West South Central	**175**	**195**	**206**	**209**	**209**	**211**	**210**	**9.1**	**8.2**	**7.9**	**7.9**	**7.8**	**7.9**	**7.8**
Arkansas	21	23	24	24	24	24	23	10.7	9.9	10.1	10.2	10.1	10.1	9.8
Louisiana	33	36	36	37	36	37	37	9.2	8.5	8.0	8.3	8.1	8.1	8.2
Oklahoma	27	28	29	30	30	29	29	10.5	9.3	8.9	9.0	9.1	8.7	8.5
Texas	94	108	117	118	119	122	122	8.4	7.6	7.3	7.2	7.1	7.3	7.3
Mountain	**66**	**80**	**87**	**88**	**90**	**92**	**94**	**8.0**	**7.0**	**6.9**	**6.9**	**6.9**	**7.1**	**7.1**
Montana	7	7	7	7	7	7	7	9.5	8.5	8.2	8.2	8.3	8.1	8.1
Idaho	6	7	7	7	7	7	7	8.6	7.2	7.3	7.1	7.4	7.0	7.0
Wyoming	3	3	3	3	3	3	3	8.6	6.9	6.2	6.4	6.3	6.0	5.9
Colorado	17	19	20	20	21	21	21	7.9	6.6	6.4	6.3	6.4	6.5	6.5
New Mexico	7	9	10	10	10	10	10	7.3	7.0	6.7	6.7	6.8	7.0	7.0
Arizona	15	21	24	25	26	26	28	8.4	7.9	7.8	7.7	7.8	8.0	8.1
Utah	7	8	9	9	9	9	9	6.7	5.6	5.5	5.5	5.4	5.6	5.6
Nevada	4	6	7	7	7	8	9	7.9	7.4	7.4	7.7	7.7	8.0	8.5
Pacific	**221**	**247**	**260**	**268**	**269**	**262**	**282**	**8.3**	**7.8**	**7.6**	**7.7**	**7.5**	**7.3**	**7.7**
Washington	30	32	34	35	34	33	35	8.8	7.7	7.8	7.8	7.7	7.4	7.7
Oregon	20	22	23	24	23	23	24	9.3	8.3	8.7	8.9	8.7	8.7	8.9
California	166	187	196	202	203	196	214	8.3	7.9	7.6	7.7	7.5	7.3	7.8
Alaska	1	2	2	2	2	2	2	4.8	4.3	3.8	4.0	3.9	4.1	4.0
Hawaii	4	5	6	6	6	6	6	5.2	5.2	5.4	5.5	5.5	5.8	5.9

[1] Includes deaths of nonresidents.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and *Monthly Vital Statistics Report*.

NO. 113. INFANT, MATERNAL, AND NEONATAL MORTALITY RATES, AND FETAL MORTALITY RATIOS, BY RACE: 1960 TO 1986

[**Deaths per 1,000 live births, except as noted.** Beginning 1970, excludes deaths of nonresidents of U.S. See also Appendix III and *Historical Statistics, Colonial Times to 1970,* series B 136-147]

ITEM	1960	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Infant deaths [1]	**26.0**	**20.0**	**16.1**	**14.1**	**13.8**	**13.1**	**12.6**	**11.9**	**11.5**	**11.2**	**10.8**	**10.6**	**10.4**
White	22.9	17.8	14.2	12.3	12.0	11.4	11.0	10.5	10.1	9.7	9.4	9.3	8.9
Black and other	43.2	30.9	24.2	21.7	21.1	19.8	19.1	17.8	17.3	16.8	16.1	15.8	15.7
Black	44.3	32.6	26.2	23.6	23.1	21.8	21.4	20.0	19.6	19.2	18.4	18.2	18.0
Maternal deaths [2]	**37.1**	**21.5**	**12.8**	**11.2**	**9.6**	**9.6**	**9.2**	**8.5**	**7.9**	**8.0**	**7.8**	**7.8**	**7.2**
White	26.0	14.4	9.1	7.7	6.4	6.4	6.7	6.3	5.8	5.9	5.4	5.2	4.9
Black and other	97.9	55.9	29.0	26.0	23.0	22.7	19.8	17.3	16.4	16.3	16.9	16.1	16.0
Black	103.6	59.8	31.3	29.2	25.0	25.1	21.5	20.4	18.2	18.3	19.7	20.4	18.8
Fetal deaths [3]	**16.1**	**14.2**	**10.7**	**9.9**	**9.7**	**9.4**	**9.2**	**9.0**	**8.9**	**8.4**	**8.2**	**7.9**	**7.7**
White	14.1	12.4	9.5	8.7	8.5	8.4	8.2	8.0	7.9	7.4	7.4	7.0	6.8
Black and other	26.8	22.6	16.0	14.6	14.7	13.8	13.4	12.8	12.7	12.2	11.5	11.3	11.2
Neonatal deaths [4]	**18.7**	**15.1**	**11.6**	**9.9**	**9.5**	**8.9**	**8.5**	**8.0**	**7.7**	**7.3**	**7.0**	**7.0**	**6.7**
White	17.2	13.8	10.4	8.7	8.4	7.9	7.5	7.1	6.8	6.4	6.2	6.1	5.8
Black and other	26.9	21.4	16.8	14.7	14.0	12.9	12.5	11.8	11.3	10.8	10.2	10.3	10.1
Black	27.8	22.8	18.3	16.1	15.5	14.3	14.1	13.4	13.1	12.4	11.8	12.1	11.7

[1] Represents deaths of infants under 1 year old, exclusive of fetal deaths.

[2] Per 100,000 live births from deliveries and complications of pregnancy, childbirth, and the puerperium. Beginning 1979 deaths are classified according to the ninth revision of the *International Classification of Diseases;* for the earlier years classified according to the revision in use at the time; see text, section 2.

[3] Beginning 1970, includes only those deaths with stated or presumed period of gestation of 20 weeks or more; for prior years, includes gestational age not stated.

[4] Represents deaths of infants under 28 days old, exclusive of fetal deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States,* annual; and unpublished data.

NO. 114. FETAL AND INFANT DEATHS—NUMBER AND PERCENT DISTRIBUTION: 1960 TO 1986

[State requirements for reporting of fetal deaths vary. Most States require reporting of fetal deaths of gestations of 20 weeks or more. There is substantial evidence that not all fetal deaths for which reporting is required are reported. For details of methodology, see Appendix III and source]

YEAR	NUMBER						PERCENT DISTRIBUTION					
	Total	Fetal deaths		Infant deaths			Total	Fetal deaths		Infant deaths		
		Early [1]	Late [2]	Neonatal		Post-neonatal [5]		Early [1]	Late [2]	Neonatal		Post-neonatal [5]
				Early [3]	Late [4]					Early [3]	Late [4]	
1960	179,353	16,496	51,984	71,125	8,608	31,140	100.0	9.2	29.0	39.7	4.8	17.4
1965	153,725	15,383	45,476	59,678	6,741	26,447	100.0	10.0	29.6	38.8	4.4	17.2
1970	127,628	17,170	35,791	50,821	5,458	18,388	100.0	13.5	28.0	39.8	4.3	14.4
1975	84,321	8,995	24,801	31,396	5,020	14,109	100.0	10.7	29.4	37.2	6.0	16.7
1976	81,376	9,200	23,911	29,497	5,090	13,678	100.0	11.3	29.4	36.2	6.3	16.8
1977	80,028	9,399	23,654	27,039	5,021	14,115	100.0	11.7	29.6	34.8	6.3	17.6
1978	78,245	10,013	22,288	26,607	5,011	14,327	100.0	12.8	28.5	34.0	6.4	18.3
1979	78,634	10,402	22,567	26,051	4,929	14,685	100.0	13.2	28.7	33.1	6.3	18.7
1980	78,879	10,754	22,588	25,492	5,126	14,906	100.0	13.6	28.7	32.3	6.5	18.9
1981	75,901	11,126	21,470	24,384	4,737	14,184	100.0	14.7	28.3	32.1	6.2	18.7
1982	75,085	11,028	21,656	23,706	4,629	14,066	100.0	14.7	28.9	31.6	6.2	18.7
1983	71,379	10,933	19,819	22,315	4,192	14,120	100.0	15.3	27.8	31.3	5.9	19.8
1984	69,679	10,963	19,136	21,566	4,125	13,889	100.0	15.7	27.5	31.0	5.9	19.9
1985	68,681	10,958	18,703	21,865	4,314	13,851	100.0	15.7	26.8	31.4	6.2	19.9
1986	67,863	11,100	17,872	21,053	4,159	13,679	100.0	16.4	26.3	31.0	6.1	20.2

[1] 20-27 weeks gestation. [2] 28 weeks or more gestation. [3] Less than 7 days. [4] 7-27 days. [5] 28 days—11 months.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States,* annual.

No. 115. Infant Deaths and Infant Mortality Rates, by Cause of Death: 1980 to 1986

[Excludes deaths of nonresidents of U.S. Deaths classified according to ninth revision of *International Classification of Diseases*. See also Appendix III]

CAUSE OF DEATH	NUMBER				PERCENT DISTRIBUTION				INFANT MORTALITY RATE [1]			
	1980	1984	1985	1986	1980	1984	1985	1986	1980	1984	1985	1986
Total	**45,526**	**39,580**	**40,030**	**38,891**	**100.0**	**100.0**	**100.0**	**100.0**	**1,260.3**	**1,078.7**	**1,064.5**	**1,035.3**
Congenital anomalies	9,220	8,548	8,561	8,244	20.3	21.6	21.4	21.2	255.2	233.0	227.7	219.5
Sudden infant death syndrome	5,510	5,245	5,315	5,278	12.1	13.3	13.3	13.6	152.5	142.9	141.3	140.5
Respiratory distress syndrome	4,989	3,557	3,691	3,403	11.0	9.0	9.2	8.8	138.1	98.9	98.2	90.6
Disorders relating to short gestation and unspecified low birthweight	3,648	3,262	3,257	3,245	8.0	8.2	8.1	8.3	101.0	88.9	86.6	86.4
Newborn affected by maternal complications of pregnancy	1,572	1,406	1,335	1,355	3.5	3.6	3.3	3.5	43.5	38.3	35.5	36.1
Intrauterine hypoxia and birth asphyxia	1,497	1,170	1,158	983	3.3	3.0	2.9	2.5	41.4	31.9	30.8	26.2
Infections specific to the perinatal period	971	889	955	918	2.1	2.2	2.4	2.4	26.9	24.2	25.4	24.4
Accidents and adverse effects	1,166	838	890	909	2.6	2.1	2.2	2.3	32.3	22.8	23.7	24.2
Newborn affected by complications of placenta, cord, and membranes	985	887	891	836	2.2	2.2	2.2	2.1	27.3	24.2	23.7	22.3
Pneumonia and influenza	1,012	685	705	663	2.2	1.7	1.8	1.7	28.0	18.7	18.7	17.6
All other causes	14,956	13,093	13,272	13,057	32.9	33.1	33.2	33.6	414.1	356.8	352.9	347.6

[1] Deaths of infants under 1 year old per 100,000 live births.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 116. Infant Mortality Rates, by Race—States: 1980 and 1986

[**Deaths per 1,000 live births, by place of residence.** Represents deaths of infants under 1 year old, exclusive of fetal deaths. Excludes deaths of nonresidents of the United States. See Appendix III and *Historical Statistics, Colonial Times to 1970*, series B 143-147, for U.S. total by race]

DIVISION AND STATE	TOTAL [1]		WHITE		BLACK	
	1980	1986	1980	1986	1980	1986
U.S.	**12.6**	**10.4**	**11.0**	**8.9**	**21.4**	**18.0**
N. Eng.	**10.5**	**8.8**	**10.1**	**8.2**	**17.7**	**18.2**
ME	9.2	8.8	9.4	9.0	-	-
NH	9.9	9.1	9.9	9.1	[2] 22.5	[2] 16.1
VT	10.7	10.0	10.7	9.7	-	[2] 38.5
MA	10.5	8.5	10.1	7.7	16.8	18.5
RI	11.0	9.4	10.9	8.8	[2] 17.4	[2] 16.7
CT	11.2	9.1	10.2	7.8	19.1	18.4
Mid. Atl.	**12.8**	**10.4**	**11.1**	**8.7**	**21.1**	**17.8**
NY	12.5	10.7	10.8	9.2	20.0	16.7
NJ	12.5	9.8	10.3	7.8	21.9	18.5
PA	13.2	10.2	11.9	8.6	23.1	19.8
E. No. Cent.	**13.0**	**11.1**	**10.9**	**9.3**	**24.4**	**20.9**
OH	12.8	10.6	11.2	9.5	23.0	17.4
IN	11.9	11.3	10.5	10.1	23.4	21.5
IL	14.8	12.1	11.7	9.3	26.3	22.3
MI	12.8	11.4	10.6	9.0	24.2	22.8
WI	10.3	9.2	9.7	8.5	18.5	17.3
W. No. Cent.	**11.3**	**9.7**	**10.5**	**8.9**	**21.3**	**17.5**
MN	10.0	9.2	9.6	8.9	20.0	16.4
IA	11.8	8.5	11.5	8.3	27.2	[2] 13.9
MO	12.4	10.7	11.1	9.3	20.7	16.5
ND	12.1	8.4	11.7	8.3	[2] 27.5	-
SD	10.9	13.3	9.0	10.4	-	[2] 25.2
NE	11.5	10.1	10.7	9.2	25.2	20.3
KS	10.4	8.9	9.5	8.4	20.6	15.0
So. Atl.	**14.5**	**11.7**	**11.6**	**9.2**	**21.8**	**18.3**
DE	13.9	11.5	9.8	9.6	27.9	17.6
MD	14.0	11.7	11.6	9.5	20.4	17.3
DC	25.0	21.1	17.8	13.3	26.7	24.0
So. Atl.—Con.						
VA	13.6	11.1	11.9	9.0	19.8	18.0
WV	11.8	10.2	11.4	9.6	21.5	25.9
NC	14.5	11.5	12.1	9.2	20.0	17.4
SC	15.6	13.2	10.8	10.1	22.9	18.1
GA	14.5	12.5	10.8	9.4	21.0	18.4
FL	14.6	11.0	11.8	8.8	22.8	18.2
E. So. Cent.	**14.5**	**11.6**	**11.8**	**9.3**	**21.8**	**17.8**
KY	12.9	9.8	12.0	9.6	22.0	12.7
TN	13.5	11.0	11.9	8.7	19.3	18.6
AL	15.1	13.3	11.6	9.8	21.6	20.0
MS	17.0	12.4	11.1	9.0	23.7	16.2
W. So. Cent.	**12.7**	**10.1**	**11.1**	**8.8**	**19.8**	**16.3**
AR	12.7	10.3	10.3	8.9	20.0	15.3
LA	14.3	11.9	10.5	8.7	20.6	17.0
OK	12.7	10.4	12.1	10.1	21.8	17.3
TX	12.2	9.5	11.2	8.6	18.8	15.9
Mt.	**11.0**	**9.3**	**10.7**	**9.0**	**19.5**	**15.7**
MT	12.4	9.6	11.8	8.7	-	-
ID	10.7	11.3	10.7	11.3	-	[2] 26.3
WY	9.8	10.9	9.3	10.8	[2] 25.9	-
CO	10.1	8.6	9.8	8.3	19.1	17.2
NM	11.5	9.5	11.3	9.0	[2] 23.1	[2] 17.4
AZ	12.4	9.4	11.8	9.0	18.4	14.7
UT	10.4	8.6	10.5	8.6	[2] 27.3	[2] 9.3
NV	10.7	9.1	10.0	8.6	20.6	15.9
Pac.	**11.2**	**9.1**	**10.9**	**8.8**	**17.8**	**16.0**
WA	11.8	9.8	11.5	9.8	16.4	13.5
OR	12.2	9.4	12.2	9.3	[2] 15.9	[2] 18.8
CA	11.1	8.9	10.6	8.6	18.0	16.2
AK	12.3	10.8	9.4	10.1	[2] 19.5	[2] 11.0
HI	10.3	9.3	11.6	8.6	[2] 11.8	[2] 11.9

- Represents zero. [1] Includes other races, not shown separately. [2] Based on a frequency of less than 20 infant deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 117. Deaths and Death Rates, by Selected Causes: 1970 to 1986

[Excludes deaths of nonresidents of the U.S. For explanation of age-adjustment, see text, section 2. The standard population for this table is the total population of the United States enumerated in 1940. Beginning 1979, deaths classified according to ninth revision of *International Classification of Diseases;* for earlier years, classified according to revision in use at that time. See also Appendix III and *Historical Statistics, Colonial Times to 1970,* series B149-166]

CAUSE OF DEATH	DEATHS (1,000)				CRUDE DEATH RATE PER 100,000 POPULATION ¹				AGE-ADJUSTED DEATH RATES PER 100,000 POPULATION ¹		
	1970	1980	1985	1986	1970	1980	1985	1986	1970	1980	1986
All causes	**1,921.0**	**1,989.8**	**2,086.4**	**2,105.4**	**945.3**	**878.3**	**873.9**	**873.2**	**714.3**	**585.8**	**541.7**
Major cardiovascular diseases	1,008.0	988.5	977.9	968.2	496.0	436.4	409.6	401.6	340.1	256.0	216.8
Diseases of heart	735.5	761.1	771.2	765.5	362.0	336.0	323.0	317.5	253.6	202.0	175.0
Percent of total	38.3	38.3	37.0	36.4	38.3	38.3	37.0	36.4	35.5	34.5	32.3
Rheumatic fever and rheumatic heart disease	14.9	7.8	6.6	6.4	7.3	3.5	2.8	2.7	6.3	2.6	1.8
Hypertensive heart disease ²	15.0	24.8	23.7	23.0	7.4	10.9	9.9	9.5	4.9	6.8	5.5
Ischemic heart disease	666.7	565.8	536.8	520.7	328.1	249.7	224.8	216.0	228.1	149.8	118.8
Other diseases of endocardium	6.7	7.2	9.5	10.1	3.3	3.2	4.0	4.2	2.3	2.0	2.2
All other forms of heart disease	32.3	155.5	194.6	205.2	15.9	68.7	81.5	85.1	12.0	40.8	46.6
Hypertension ²	8.3	7.8	7.8	8.0	4.1	3.5	3.2	3.3	2.9	2.0	1.8
Cerebrovascular diseases	207.2	170.2	153.1	149.6	101.9	75.1	64.1	62.1	66.3	40.8	31.0
Atherosclerosis	31.7	29.4	23.9	22.7	15.6	13.0	10.0	9.4	8.4	5.7	3.7
Other	25.3	20.0	22.0	22.4	12.5	8.8	9.2	9.3	8.8	5.5	5.4
Malignancies ³	330.7	416.5	461.6	469.4	162.8	183.9	193.3	194.7	129.9	132.8	133.2
Percent of total	17.2	20.9	22.1	22.3	17.2	20.9	22.1	22.3	18.2	22.7	24.6
Of respiratory and intrathoracic organs	69.5	108.5	127.3	130.5	34.2	47.9	53.3	54.1	28.4	36.4	39.0
Of digestive organs and peritoneum	94.7	110.6	116.6	116.5	46.6	48.8	48.8	48.3	35.2	33.0	30.9
Of genital organs	41.2	46.4	49.7	51.2	20.3	20.5	20.8	21.3	15.6	13.6	13.1
Of breast	29.9	35.9	40.4	40.8	14.7	15.8	16.9	16.9	12.6	12.5	12.6
Of urinary organs	15.5	17.8	18.9	19.1	7.6	7.9	7.9	7.9	5.7	5.2	5.0
Leukemia	14.5	16.5	17.3	17.4	7.1	7.3	7.3	7.2	5.8	5.4	5.0
Accidents and adverse effects	114.6	105.7	93.5	95.3	56.4	46.7	39.1	39.5	53.7	42.3	35.2
Motor vehicle	54.6	53.2	45.9	47.9	26.9	23.5	19.2	19.9	27.4	22.9	19.4
All other	60.0	52.5	47.6	47.4	29.5	23.3	19.9	19.7	26.3	19.5	15.7
Chronic obstructive pulmonary diseases and allied conditions ⁴	30.9	56.1	74.7	76.6	15.2	24.7	31.3	31.8	11.6	15.9	18.8
Bronchitis, chronic and unspecified	5.8	3.7	3.6	3.8	2.9	1.6	1.5	1.6	2.1	1.0	.9
Emphysema	22.7	13.9	14.2	14.5	11.2	6.1	5.9	6.0	8.4	4.0	3.7
Asthma	2.3	2.9	3.9	4.0	1.1	1.3	1.6	1.6	1.0	1.0	1.2
Other	(⁵)	35.6	53.0	54.4	(⁵)	15.7	22.2	22.6	(⁵)	9.9	13.0
Pneumonia and influenza	62.7	54.6	67.6	69.8	30.9	24.1	28.3	29.0	22.1	12.9	13.5
Pneumonia	59.0	51.9	65.6	68.0	29.0	22.9	27.5	28.2	20.8	12.4	13.3
Influenza	3.7	2.7	2.1	1.8	1.8	1.2	.9	.8	1.3	.5	.3
Diabetes mellitus	38.3	34.9	37.0	37.2	18.9	15.4	15.5	15.4	14.1	10.1	9.6
Suicide	23.5	26.9	29.5	30.9	11.6	11.9	12.3	12.8	11.8	11.4	11.9
Chronic liver disease and cirrhosis	31.4	30.6	26.8	26.2	15.5	13.5	11.2	10.9	14.7	12.2	9.2
Nephritis, nephrotic syndrome, and nephrosis	8.9	16.8	21.3	21.8	4.4	7.4	8.9	9.0	3.5	4.5	4.9
Homicide and legal intervention	16.8	24.3	19.9	21.7	8.3	10.7	8.3	9.0	9.1	10.8	9.0
Septicemia	3.5	9.4	17.2	18.8	1.7	4.2	7.2	7.8	1.4	2.6	4.3
Certain conditions originating in the perinatal period	43.2	22.9	19.2	18.4	21.3	10.1	8.1	7.6	(X)	(X)	(X)
Congenital anomalies	16.8	13.9	12.8	12.6	8.3	6.2	5.4	5.2	(X)	(X)	(X)
Other infective and parasitic diseases	6.9	5.1	8.1	10.0	3.4	2.2	3.4	4.2	2.8	1.8	3.5
Benign neoplasms ⁶	4.8	6.2	6.7	6.7	2.4	2.7	2.8	2.8	2.0	2.0	1.8
Ulcer of stomach and duodenum	8.6	6.1	6.6	6.5	4.2	2.7	2.8	2.7	3.2	1.7	1.4
Hernia of abdominal cavity and intestinal obstruction ⁷	7.2	5.4	5.4	5.4	3.6	2.4	2.2	2.3	2.6	1.4	1.1
Anemias	3.4	3.2	3.7	3.7	1.7	1.4	1.5	1.5	1.3	.9	.9
Cholelithiasis and other disorders of gallbladder	4.0	3.3	3.0	3.0	2.0	1.5	1.2	1.2	1.3	.8	.6
Nutritional deficiencies	2.5	2.4	2.9	2.9	1.2	1.0	1.2	1.2	.8	.5	.5
Infections of kidney	8.2	2.7	2.0	1.9	4.0	1.2	.8	.8	2.8	.7	.4
Tuberculosis	5.2	2.0	1.8	1.8	2.6	.9	.7	.7	2.2	.6	.5
Meningitis	1.7	1.4	1.2	1.2	.8	.6	.5	.5	.8	.6	.4
Viral hepatitis	1.0	.8	.9	1.0	.5	.4	.4	.4	.5	.3	.4
Acute bronchitis and bronchiolitis	1.3	.6	.6	.6	.6	.3	.3	.2	.5	.2	.1
Hyperplasia of prostate	2.2	.8	.5	.5	1.1	.3	.2	.2	.6	.2	.1
Symptoms, signs, and ill-defined conditions	25.8	28.8	31.0	31.4	12.7	12.7	13.0	13.0	10.4	9.8	9.4
All other causes	108.8	120.0	153.0	162.0	53.5	53.0	64.4	67.2	44.0	38.8	41.6

X Not applicable.

[1] Based on resident population enumerated as of Apr. 1 for 1970 and 1980 and estimated as of July 1 for other years.

[2] With or without renal disease.

[3] Includes other types of malignancies not shown separately.

[4] Prior to 1980, data are shown for bronchitis, emphysema, and asthma.

[5] Included in "all other causes." Comparable data not available separately.

[6] Includes neoplasms of unspecified nature; beginning 1980 also includes carcinoma in situ.

[7] Without mention of hernia.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States,* annual; and unpublished data.

No. 118. Deaths, by Selected Cause and Selected Characteristics: 1986

[In thousands. Excludes deaths of nonresidents of the U.S. Deaths classified according to ninth revision of *International Classification of Diseases.* See also Appendix III]

AGE, SEX, AND RACE	Total [1]	Diseases of heart	Malignant neoplasms	Accidents and adverse effects	Cerebrovascular diseases	Chronic obstructive pulmonary diseases [2]	Pneumonia, flu	Suicide	Chronic liver disease, cirrhosis	Diabetes mellitus
ALL RACES [3]										
Both sexes, total [4]	**2,105.4**	**765.5**	**469.4**	**95.3**	**149.6**	**76.6**	**69.8**	**30.9**	**26.2**	**37.2**
Under 15 years old	55.2	1.7	1.8	8.1	.2	.2	1.0	.3	(Z)	(Z)
15-24 years old	39.9	1.1	2.1	20.0	.3	.2	.3	5.1	.1	.1
25-34 years old	56.5	3.7	5.6	16.9	1.0	.2	.7	6.7	1.2	.6
35-44 years old	70.4	12.4	15.0	10.3	2.4	.5	1.2	5.0	3.2	1.2
45-54 years old	115.2	33.0	37.8	7.0	4.6	2.2	1.6	3.7	4.6	2.2
55-64 years old	279.0	94.3	98.8	7.7	11.8	10.5	4.1	3.8	7.2	5.8
65-74 years old	485.5	180.8	146.8	8.5	28.4	25.9	10.2	3.4	6.5	10.3
75-84 years old	575.1	239.0	116.6	9.6	52.0	26.7	22.0	2.3	2.9	11.0
85 years old and over	427.5	199.3	44.7	7.0	48.9	10.1	28.7	.6	.6	5.9
Male, total [4]	**1,104.0**	**390.9**	**250.6**	**65.6**	**59.2**	**47.1**	**34.2**	**24.2**	**16.8**	**15.4**
Under 15 years old	32.0	.9	1.0	5.2	.1	.1	.6	.2	(Z)	(Z)
15-24 years old	29.8	.7	1.3	15.5	.1	.1	.2	4.3	(Z)	.1
25-34 years old	41.2	2.5	2.9	13.5	.5	.1	.5	5.5	.8	.4
35-44 years old	46.9	9.4	6.6	7.9	1.3	.3	.8	3.7	2.3	.7
45-54 years old	72.3	24.5	18.9	5.2	2.4	1.2	1.0	2.7	3.2	1.1
55-64 years old	172.3	65.6	54.8	5.3	6.3	6.2	2.7	2.8	4.7	2.8
65-74 years old	283.0	110.6	83.1	5.1	14.1	16.1	6.2	2.7	4.0	4.6
75-84 years old	282.8	114.3	62.5	4.9	21.3	17.0	11.6	1.9	1.5	4.1
85 years old and over	143.0	62.2	19.3	2.8	13.0	5.9	10.7	.5	.3	1.6
Female, total [4]	**1,001.4**	**374.6**	**218.8**	**29.7**	**90.5**	**29.5**	**35.6**	**6.7**	**9.4**	**21.8**
Under 15 years old	23.2	.7	.8	2.9	.1	.1	.4	.1	(Z)	(Z)
15-24 years old	10.1	.4	.8	4.5	.1	.1	.1	.8	(Z)	.1
25-34 years old	15.3	1.2	2.7	3.4	.5	.1	.3	1.3	.4	.3
35-44 years old	23.5	3.0	8.3	2.4	1.1	.3	.4	1.3	.9	.5
45-54 years old	42.8	8.5	18.9	1.8	2.2	1.0	.6	1.0	1.4	1.0
55-64 years old	106.7	28.7	44.0	2.4	5.5	4.3	1.5	1.0	2.4	3.0
65-74 years old	202.5	70.1	63.7	3.4	14.3	9.7	3.9	.7	2.5	5.7
75-84 years old	292.3	124.7	54.1	4.7	30.7	9.7	10.4	.4	1.4	6.9
85 years old and over	284.5	137.1	25.4	4.2	35.9	4.2	18.0	.1	.3	4.3
WHITE										
Both sexes, total [4]	**1,831.1**	**681.4**	**412.4**	**80.3**	**130.0**	**71.1**	**62.3**	**28.4**	**21.9**	**30.3**
Under 15 years old	38.7	1.2	1.5	6.0	.1	.1	.7	.2	(Z)	(Z)
15-24 years old	31.8	.7	1.8	17.5	.2	.1	.2	4.6	(Z)	.1
25-34 years old	41.5	2.5	4.6	13.9	.6	.2	.5	5.9	.7	.5
35-44 years old	52.5	9.3	12.1	8.3	1.5	.4	.7	4.6	2.2	.9
45-54 years old	90.4	26.2	30.9	5.7	3.2	1.8	1.1	3.5	3.6	1.5
55-64 years old	234.5	79.6	85.1	6.4	8.9	9.4	3.3	3.6	6.2	4.3
65-74 years old	425.8	159.1	130.1	7.4	23.6	24.1	8.8	3.2	5.9	8.3
75-84 years old	519.3	216.9	105.4	8.6	46.3	25.4	20.1	2.2	2.7	9.4
85 years old and over	395.8	185.6	40.8	6.4	45.5	9.6	26.9	.6	.6	5.2
BLACK										
Both sexes, total [4]	**250.3**	**77.7**	**52.0**	**12.6**	**18.0**	**4.9**	**6.7**	**1.9**	**3.7**	**6.3**
Under 15 years old	14.8	.5	.3	1.8	.1	.1	.3	(Z)	(Z)	(Z)
15-24 years old	7.1	.3	.3	1.9	.1	.1	.1	.4	(Z)	(Z)
25-34 years old	13.7	1.2	.9	2.5	.3	.1	.3	.6	.4	.1
35-44 years old	16.3	2.9	2.5	1.7	.8	.1	.5	.3	.9	.3
45-54 years old	22.6	6.3	6.2	1.1	1.4	.4	.5	.2	.9	.6
55-64 years old	41.2	13.8	12.6	1.2	2.6	1.0	.8	.1	.9	1.3
65-74 years old	55.1	20.1	15.4	1.0	4.4	1.6	1.2	.1	.5	1.8
75-84 years old	50.8	20.2	10.3	.9	5.2	1.1	1.7	.1	.2	1.5
85 years old and over	28.5	12.5	3.6	.5	3.1	.4	1.4	(Z)	(Z)	.7

Z Fewer than 50. [1] Includes other causes, not shown separately. [2] Includes allied conditions. [3] Includes other races, ot shown separately. [4] Includes those deaths with age not stated.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States,* annual.

No. 119. Death Rates by Selected Causes and Selected Characteristics: 1960 to 1986

[Deaths per 100,000 population in specified group. Beginning 1970, excludes deaths of nonresidents of U.S. See headnote, table 117]

YEAR AND CHARACTERISTIC	Total [1]	Diseases of heart	Malignant neoplasms	Accidents and adverse effects	Cerebrovascular diseases	Chronic obstructive pulmonary diseases [2]	Pneumonia, flu	Suicide	Diabetes mellitus	Chronic liver disease, cirrhosis
ALL RACES [3]										
Both sexes:										
1960, age-adjusted	760.9	286.2	125.8	49.9	79.7	(4)	28.0	10.6	13.6	10.5
1970, age-adjusted	714.3	253.6	129.9	53.7	66.3	(4)	22.1	11.8	14.1	14.7
1980, age-adjusted	585.8	202.0	132.8	42.3	40.8	15.9	12.9	11.4	10.1	12.2
1985, age-adjusted	546.1	180.5	133.6	34.7	32.3	18.7	13.4	11.5	9.6	9.6
1986, age-adjusted [5]	541.7	175.0	133.2	35.2	31.0	18.8	13.5	11.9	9.6	9.2
15-24 years old	102.3	2.8	5.4	51.2	.7	.5	.7	13.1	.4	.2
25-34 years old	132.1	8.6	13.1	39.5	2.2	.6	1.7	15.7	1.5	2.8
35-44 years old	212.9	37.5	45.3	31.1	7.1	1.6	3.6	15.2	3.6	9.6
45-54 years old	504.8	144.6	165.7	30.7	20.4	9.8	7.0	16.4	9.5	20.3
55-64 years old	1,255.1	424.2	444.4	34.8	53.0	47.2	18.6	17.0	26.0	32.2
65-74 years old	2,801.4	1,043.0	847.0	49.0	164.1	149.2	58.6	19.7	59.2	37.2
75-84 years old	6,348.2	2,637.5	1,267.3	106.3	573.8	294.8	242.8	25.2	121.9	31.5
85 years old and over	15,398.9	7,178.7	1,612.0	252.2	1,762.8	362.9	1,032.1	20.8	213.9	20.8
Male: 1960, age-adjusted	949.3	375.5	143.0	73.9	85.4	(4)	35.0	16.6	12.0	14.5
1970, age-adjusted	931.6	348.5	157.4	80.7	73.2	(4)	28.8	17.3	13.5	20.2
1980, age-adjusted	777.2	280.4	165.5	64.0	44.9	26.1	17.4	18.0	10.2	17.1
1985, age-adjusted	716.8	247.7	164.5	51.8	35.2	27.9	18.2	18.8	9.9	13.6
1986, age-adjusted [5]	709.1	238.2	163.6	52.5	33.5	27.6	18.4	19.3	9.9	13.0
15-24 years old	151.4	3.5	6.6	78.5	.7	.6	.8	21.7	.4	.2
25-34 years old	192.7	11.8	13.4	63.2	2.3	.6	2.1	25.5	1.7	3.7
35-44 years old	288.1	58.0	40.8	48.7	7.7	1.8	4.8	23.0	4.2	14.0
45-54 years old	653.1	221.4	171.0	47.2	21.7	11.0	9.2	24.4	10.2	28.9
55-64 years old	1,648.2	627.1	524.2	51.1	59.9	59.3	25.5	26.7	26.6	45.2
65-74 years old	3,701.4	1,446.7	1,086.9	66.6	185.0	211.0	81.7	35.5	59.7	51.9
75-84 years old	8,353.0	3,375.8	1,845.6	144.9	629.2	501.9	342.2	54.8	121.9	44.2
85 years old and over	18,187.4	7,911.5	2,450.5	354.5	1,656.4	745.3	1,360.9	61.6	208.7	33.6
Female: 1960, age-adjusted	590.6	205.7	111.2	26.8	74.7	(4)	21.8	5.0	15.0	6.9
1970, age-adjusted	532.5	175.2	108.8	28.2	60.8	(4)	16.7	6.6	14.4	9.8
1980, age-adjusted	432.6	140.3	109.2	21.8	37.6	8.9	9.8	5.4	10.0	7.9
1985, age-adjusted	409.4	127.3	111.4	18.6	30.0	12.5	10.1	4.9	9.4	6.1
1986, age adjusted [5]	406.6	124.6	111.4	18.7	29.0	12.8	10.3	5.1	9.3	5.9
15-24 years old	52.3	2.1	4.2	23.3	.6	.4	.6	4.4	.4	.1
25-34 years old	71.6	5.5	12.8	15.9	2.2	.6	1.3	5.9	1.3	1.8
35-44 years old	139.8	17.7	49.7	14.1	6.5	1.5	2.5	7.6	2.9	5.4
45-54 years old	364.8	72.1	160.7	15.1	19.1	8.7	5.0	8.8	8.7	12.2
55-64 years old	906.1	244.1	373.6	20.2	46.8	36.4	12.6	8.4	25.5	20.7
65-74 years old	2,090.8	724.2	657.6	35.2	147.6	100.5	40.3	7.2	58.9	25.6
75-84 years old	5,151.9	2,196.9	954.2	83.3	540.7	171.2	183.4	7.5	122.0	23.9
85 years old and over	14,297.5	6,889.3	1,277.2	211.9	1,604.6	211.9	902.3	4.7	216.0	15.8
WHITE										
Both sexes:										
1960, age-adjusted	727.0	281.5	124.2	47.6	74.2	(4)	24.6	11.1	12.8	10.3
1970, age-adjusted	679.6	249.1	127.8	51.0	61.8	(4)	19.8	12.4	12.9	13.4
1980, age-adjusted	559.4	197.6	129.6	41.5	38.0	16.3	12.2	12.1	9.1	11.0
1985, age-adjusted	523.1	176.1	130.7	34.1	30.1	19.2	12.8	12.3	8.6	8.9
1986, age-adjusted	518.0	170.4	130.4	34.5	28.8	19.2	12.9	12.7	8.5	8.6
Male: 1960, age-adjusted	917.7	375.4	141.6	70.6	80.3	(4)	31.0	17.5	11.6	14.4
1970, age-adjusted	893.4	347.6	154.3	76.2	68.3	(4)	26.0	18.2	12.7	18.8
1980, age-adjusted	745.3	277.5	160.5	62.3	41.9	26.7	16.2	18.9	9.5	15.7
1985, age-adjusted	686.7	244.5	159.2	50.4	32.8	28.5	17.4	19.9	9.2	12.6
1986, age-adjusted	679.8	234.8	158.8	51.1	31.1	28.1	17.5	20.5	9.1	12.2
Female: 1960, age-adjusted	555.0	197.1	109.5	25.4	68.7	(4)	19.0	5.3	13.7	6.6
1970, age-adjusted	501.7	167.8	107.6	27.2	56.2	(4)	15.0	7.2	12.8	8.7
1980, age-adjusted	411.1	134.6	107.7	21.4	35.2	9.2	9.4	5.7	8.7	7.0
1985, age-adjusted	390.6	121.7	110.3	18.4	27.9	12.9	9.8	5.3	8.1	5.6
1986, age-adjusted	387.7	119.0	110.1	18.4	27.1	13.3	9.9	5.4	8.1	5.4
BLACK										
Both sexes:										
1960, age-adjusted	1,073.3	334.5	142.3	66.4	140.2	(4)	56.4	4.7	22.0	11.7
1970, age-adjusted	1,044.0	307.6	156.7	74.4	114.5	(4)	40.4	6.1	26.5	24.8
1980, age-adjusted	842.5	255.7	172.1	51.2	68.5	12.5	19.2	6.4	20.3	21.6
1985, age-adjusted	779.9	236.2	173.0	41.8	55.0	15.0	18.5	6.4	19.7	16.1
1986, age-adjusted	781.0	232.6	172.8	42.1	52.6	15.4	19.0	6.6	20.0	14.5
Male: 1960, age-adjusted	1,246.1	381.2	158.5	100.0	141.2	(4)	70.2	7.8	16.2	14.8
1970, age-adjusted	1,318.6	375.9	198.0	119.5	122.5	(4)	53.8	9.9	21.2	33.1
1980, age-adjusted	1,112.8	327.3	229.9	82.0	77.5	20.9	28.0	11.1	17.7	30.6
1985, age-adjusted	1,024.0	301.0	231.6	66.7	60.8	23.9	26.8	11.3	17.7	23.4
1986, age-adjusted	1,026.9	294.3	229.0	66.9	58.9	24.6	27.2	11.5	17.9	20.8
Female: 1960, age-adjusted	916.9	292.6	127.8	35.9	139.5	(4)	43.9	1.9	27.3	8.9
1970, age-adjusted	814.4	251.7	123.5	35.3	107.9	(4)	29.2	2.9	30.9	17.8
1980, age-adjusted	631.1	201.1	129.7	25.1	61.7	6.3	12.7	2.4	22.1	14.4
1985, age-adjusted	589.1	186.8	130.4	20.7	50.3	8.7	12.4	2.1	21.1	10.1
1986, age-adjusted	586.2	185.1	132.1	21.0	47.6	8.9	13.1	2.4	21.4	9.3

[1] Includes other causes, not shown separately. [2] Includes allied conditions. [3] Includes other races, not shown separately. [4] Data not available on a comparable basis with later years. [5] Includes persons under 15 years old, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 120. Death Rates, by Cause—States: 1986

[Deaths per 100,000 resident population estimated as of July 1. By place of residence. Excludes nonresidents of U.S. Causes of death classified according to ninth revision of *International Classification of Diseases*. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	Total [1]	Diseases of heart	Malignant neoplasms	Cerebrovascular diseases	Accidents and adverse effects	Chronic obstructive pulmonary diseases [2]	Pneumonia, flu	Diabetes mellitus	Suicide	Chronic liver disease and cirrhosis	Atherosclerosis	Homicide and legal intervention
U.S	**873.2**	**317.5**	**194.7**	**62.1**	**39.5**	**31.8**	**29.0**	**15.4**	**12.8**	**10.9**	**9.4**	**9.0**
Region:												
Northeast	974.5	377.3	223.1	60.6	32.2	32.0	34.0	18.3	9.3	12.9	9.3	6.9
Midwest	903.9	341.7	199.8	66.5	36.0	32.6	31.3	16.4	12.2	9.4	11.3	7.0
South	870.5	307.9	190.7	65.2	45.2	30.2	25.7	15.0	13.6	9.7	8.6	11.4
West	736.7	243.2	165.9	52.8	41.6	33.2	26.4	12.0	15.8	12.6	8.7	9.6
N.E	**927.7**	**345.4**	**220.1**	**62.0**	**32.0**	**33.0**	**36.9**	**16.6**	**10.1**	**11.4**	**10.4**	**3.7**
ME	958.8	358.4	226.7	65.5	34.9	44.5	36.6	15.5	11.1	10.0	15.6	1.8
NH	836.6	302.9	200.3	57.2	31.7	32.3	27.4	18.4	13.0	9.9	11.7	2.2
VT	879.9	322.0	197.0	59.1	39.6	36.8	39.6	14.0	14.0	10.2	8.7	3.0
MA	956.5	355.2	224.2	64.5	31.4	33.0	42.6	16.8	9.2	12.9	9.9	3.8
RI	996.7	391.1	239.1	64.3	31.6	36.6	27.6	17.3	10.2	11.2	10.2	4.3
CT	879.9	326.3	214.5	57.6	31.1	27.2	32.0	16.2	9.6	10.1	9.1	4.7
M.A	**990.5**	**388.2**	**224.2**	**60.2**	**32.2**	**31.7**	**33.1**	**18.9**	**9.1**	**13.4**	**8.9**	**8.0**
NY	975.2	388.2	216.0	56.4	31.0	30.3	36.7	17.3	7.6	15.2	8.8	10.7
NJ	939.7	361.6	224.2	58.1	29.8	28.3	28.6	19.1	7.6	13.7	8.4	5.3
PA	1,045.9	405.2	236.5	67.1	35.7	35.9	30.6	21.1	12.2	10.4	9.5	5.6
E.N.C	**898.3**	**345.5**	**200.5**	**63.9**	**34.1**	**32.1**	**29.5**	**16.6**	**11.7**	**10.2**	**10.8**	**7.9**
OH	927.6	356.8	211.7	64.1	32.0	35.0	28.0	19.0	11.6	9.4	10.5	5.2
IN	897.1	332.7	202.5	71.2	37.2	35.9	26.8	17.8	11.7	7.8	11.4	5.5
IL	894.9	347.2	199.3	61.4	34.3	29.6	31.9	14.9	11.0	11.5	8.5	9.9
MI	877.8	342.5	189.6	59.4	35.1	31.5	27.5	16.4	12.3	12.3	13.3	12.2
WI	880.5	336.3	196.7	69.4	32.7	28.5	33.6	14.8	12.5	7.8	11.6	3.5
W.N.C	**917.4**	**332.7**	**198.3**	**72.7**	**40.5**	**33.7**	**35.7**	**15.7**	**13.5**	**7.4**	**12.6**	**5.0**
MN	832.7	288.0	182.1	73.7	34.8	27.5	35.6	14.6	12.8	7.2	11.5	2.6
IA	949.7	362.9	205.6	78.2	36.8	36.8	38.2	15.6	12.9	6.6	17.9	2.2
MO	990.9	358.6	213.7	71.3	46.7	37.4	34.2	17.0	14.2	7.9	9.7	9.8
ND	778.9	278.5	177.3	59.6	33.9	27.7	32.4	13.0	10.8	6.9	14.4	1.3
SD	929.2	353.4	203.2	75.6	43.1	31.4	38.4	14.8	14.3	8.9	10.7	4.2
NE	918.5	333.7	196.9	73.7	40.2	31.7	36.9	17.9	14.3	7.3	15.3	3.2
KS	906.8	328.8	190.8	69.5	43.2	36.7	35.6	15.0	13.6	7.2	12.4	5.0
S.A	**909.3**	**323.1**	**205.1**	**67.7**	**43.9**	**32.5**	**26.2**	**15.7**	**13.7**	**11.2**	**8.5**	**10.6**
DE	889.6	325.6	210.7	43.1	39.5	29.4	25.1	25.0	13.3	13.7	8.5	5.7
MD	837.4	295.0	202.0	51.8	33.9	26.9	23.8	15.6	12.2	8.8	6.0	9.5
DC	1,165.4	348.0	266.6	65.6	29.4	23.4	38.2	22.9	12.0	32.5	8.2	28.2
VA	802.7	276.0	186.9	61.3	39.3	28.1	27.6	12.1	14.1	8.6	9.1	7.8
WV	1,036.4	403.6	224.8	70.9	45.1	45.4	33.8	20.9	14.2	10.7	10.0	6.2
NC	862.6	306.2	183.1	70.9	50.2	28.8	28.4	14.9	12.2	10.0	8.9	9.3
SC	832.3	292.8	171.0	72.4	55.2	25.9	24.7	16.1	11.4	9.2	7.4	9.6
GA	809.0	275.1	168.6	68.3	46.7	28.2	24.8	14.0	13.0	9.3	6.2	12.8
FL	1,056.1	385.3	249.4	74.3	42.8	41.5	24.5	16.8	16.0	14.4	10.3	12.4
E.S.C	**929.0**	**332.0**	**198.7**	**73.2**	**51.4**	**34.5**	**28.5**	**15.8**	**12.8**	**8.4**	**9.3**	**10.4**
KY	934.5	343.6	202.8	70.6	45.9	41.5	33.3	16.6	14.2	8.2	9.5	7.1
TN	921.9	303.6	197.7	74.9	50.7	34.6	30.2	13.9	12.9	7.9	8.5	10.8
AL	931.3	319.7	201.9	73.9	54.2	33.2	23.7	17.8	12.4	8.8	11.3	11.4
MS	931.0	337.3	190.0	72.9	56.3	26.4	26.1	15.3	11.1	9.1	7.4	13.1
W.S.C	**778.1**	**271.0**	**164.3**	**57.0**	**43.7**	**24.2**	**23.4**	**13.5**	**13.9**	**8.1**	**8.3**	**13.0**
AR	1,010.9	383.5	214.1	83.9	52.1	32.4	33.0	14.2	13.5	6.3	8.8	9.7
LA	808.5	283.2	179.1	57.3	44.8	22.5	20.5	18.4	14.2	8.4	9.7	13.8
OK	905.9	331.4	193.2	74.4	44.3	31.5	32.2	15.2	14.6	8.5	11.8	9.1
TX	711.5	239.8	147.5	49.6	42.1	22.0	21.0	11.7	13.6	8.2	7.1	14.1
Mt	**694.8**	**219.2**	**149.3**	**43.7**	**45.6**	**36.1**	**24.4**	**12.8**	**18.7**	**10.3**	**7.9**	**8.1**
MT	826.7	269.4	179.1	60.5	50.3	42.5	28.5	13.3	21.7	9.4	10.8	5.0
ID	737.3	239.1	158.8	59.3	52.7	37.2	20.9	12.5	17.7	6.6	8.1	3.7
WY	634.7	195.3	127.2	39.1	51.7	34.9	23.7	11.6	19.1	7.5	6.5	5.5
CO	637.2	197.7	133.4	40.1	38.4	34.9	26.4	10.6	17.6	9.5	10.7	7.3
NM	683.8	193.4	140.7	38.3	55.6	34.6	23.3	16.3	19.4	14.8	6.4	13.6
AZ	779.8	248.2	177.7	43.9	50.2	42.6	25.7	14.2	19.3	11.4	8.1	10.1
UT	537.2	177.6	98.4	39.1	36.3	21.8	21.4	13.3	14.7	5.3	4.6	3.3
NV	766.3	254.4	183.7	43.3	40.3	39.1	20.0	9.2	24.1	17.6	4.0	12.1
Pac	**751.9**	**251.9**	**172.0**	**56.1**	**40.2**	**32.1**	**27.2**	**11.8**	**14.8**	**13.4**	**8.9**	**10.2**
WA	767.5	260.3	177.2	57.4	37.0	37.8	24.8	14.7	15.3	9.3	10.2	5.2
OR	865.3	290.7	194.7	70.8	45.7	39.8	27.7	12.3	16.7	11.0	14.8	6.5
CA	752.9	252.6	172.1	55.9	40.2	31.4	28.1	11.2	14.7	14.7	8.5	11.6
AK	392.9	89.1	83.1	16.0	68.0	11.7	6.2	5.3	14.8	6.0	1.9	8.3
HI	551.5	179.1	133.2	37.9	25.6	17.0	21.4	15.5	10.0	6.3	3.0	5.2

[1] Includes other causes not shown separately. [2] Includes allied conditions.

Source: U.S. National Center for Health Statistics, *Monthly Vital Statistics Report*, vol. 37, No. 6, supplement and unpublished data.

No. 121. Death Rates From Cancer, by Sex, Age, and Selected Type: 1960 to 1986

[Deaths per 100,000 population in the specified age groups. See headnote, table 122]

AGE AT DEATH AND SELECTED TYPE OF CANCER	MALE 1960	MALE 1970	MALE 1980	MALE 1985	MALE 1986	FEMALE 1960	FEMALE 1970	FEMALE 1980	FEMALE 1985	FEMALE 1986
Total U.S. rate [1]	**162.5**	**182.1**	**205.3**	**212.6**	**213.5**	**136.4**	**144.4**	**163.6**	**175.1**	**176.9**
25–34 years	18.8	16.3	13.4	13.0	13.4	20.1	16.7	14.0	13.1	12.8
35–44 years	48.9	53.0	44.0	42.3	40.8	70.0	65.6	53.1	49.1	49.7
45–54 years	170.8	183.5	188.7	174.5	171.0	183.0	181.5	171.8	164.0	160.7
55–64 years	459.9	511.8	520.8	531.1	524.2	337.7	343.2	361.7	379.1	373.6
65 years old and over	1,066.2	1,221.2	1,371.6	1,389.8	1,395.6	709.1	708.3	767.8	813.8	825.6
65–74 years	890.5	1,006.8	1,093.2	1,085.6	1,086.9	560.2	557.9	607.1	644.6	657.6
75–84 years	1,389.4	1,588.3	1,790.5	1,840.2	1,845.6	924.1	891.9	903.1	948.3	954.2
85 years old and over	1,741.2	1,720.8	2,369.5	2,413.7	2,459.5	1,263.9	1,096.7	1,255.7	1,262.9	1,277.2
Persons, 35–44 years old:										
Respiratory, intrathoracic	11.4	17.0	12.6	10.6	9.8	3.4	6.5	6.8	5.8	6.0
Digestive organs, peritoneum	12.5	11.4	9.5	9.0	9.0	10.8	8.6	6.5	5.8	5.6
Breast	.1	.1	-	.1	.1	20.2	20.4	17.9	17.5	18.3
Genital organs	1.6	1.4	.7	.7	.6	19.4	13.6	8.3	7.1	7.2
Lymphatic and hematopoietic tissues, excl. leukemia	5.9	5.6	4.3	4.6	4.7	3.7	3.2	2.4	2.3	2.2
Urinary organs	2.0	1.9	1.4	1.6	1.3	.8	1.0	.6	.9	.7
Lip, oral cavity, and pharynx	1.5	1.7	1.8	1.4	1.4	.7	.7	.5	.6	.4
Leukemia	3.7	3.4	3.2	3.0	2.8	2.7	2.8	2.6	2.1	2.2
Persons, 45–54 years old:										
Respiratory, intrathoracic	54.7	72.1	79.8	70.7	69.4	10.1	22.2	34.8	35.9	35.1
Digestive organs, peritoneum	53.2	45.9	44.3	41.7	40.1	38.9	32.5	27.8	25.7	25.4
Breast	.2	.4	.2	.3	.2	51.4	52.6	48.1	46.7	45.4
Genital organs	4.0	3.4	3.4	3.1	2.9	44.8	34.4	24.1	20.4	20.1
Lymphatic and hematopoietic tissues, excl. leukemia	11.6	12.8	10.2	10.0	10.3	7.1	8.3	6.6	6.4	6.4
Urinary organs	8.3	8.0	7.4	7.5	7.3	3.5	3.5	3.3	3.0	3.1
Lip, oral cavity, and pharynx	7.9	7.9	8.2	6.8	6.5	2.8	2.8	2.6	2.0	2.1
Leukemia	7.2	6.6	6.2	5.7	5.5	5.3	4.9	4.4	4.3	4.2
Persons, 55–64 years old:										
Respiratory, intrathoracic	150.2	202.3	223.8	231.1	229.2	17.0	38.9	74.5	93.9	94.4
Digestive organs, peritoneum	153.7	139.0	129.3	129.3	126.6	102.2	86.0	79.1	74.7	72.7
Breast	1.0	.6	.7	.6	.5	70.8	77.6	80.5	83.6	80.9
Genital organs	23.5	22.8	23.5	24.3	25.2	73.0	58.2	46.8	42.8	42.4
Lymphatic and hematopoietic tissues, excl. leukemia	23.1	27.1	24.4	25.0	23.9	15.7	17.7	16.8	17.5	16.5
Urinary organs	25.9	26.4	22.9	22.2	21.8	9.3	9.4	8.9	8.5	9.2
Lip, oral cavity, and pharynx	16.3	20.1	17.9	15.8	15.5	3.8	6.2	6.0	5.4	5.6
Leukemia	16.1	15.4	14.7	14.6	14.1	10.6	9.0	9.3	9.2	9.0
Persons, 65–74 years old:										
Respiratory, intrathoracic	221.7	340.7	422.0	424.8	423.2	26.2	45.6	106.1	145.1	152.0
Digestive organs, peritoneum	334.9	293.3	284.1	272.7	268.6	218.0	185.8	173.6	162.7	162.5
Breast	1.2	1.4	1.1	1.0	1.1	90.0	93.8	101.1	107.7	109.9
Genital organs	102.1	103.7	107.6	108.3	112.5	97.9	85.6	73.6	71.2	71.9
Lymphatic and hematopoietic tissues, excl. leukemia	37.9	50.3	48.1	52.2	55.4	24.5	34.6	34.4	36.6	38.3
Urinary organs	57.2	60.3	56.9	51.1	49.7	21.6	20.1	19.7	19.7	19.0
Lip, oral cavity, and pharynx	26.5	26.8	25.4	23.7	22.2	6.2	6.7	8.8	8.6	8.6
Leukemia	34.0	35.3	35.3	34.0	34.0	20.2	19.3	18.7	19.2	18.3
Persons, 75–84 years old:										
Respiratory, intrathoracic	168.5	354.2	511.5	559.0	567.9	36.5	56.5	98.0	137.2	146.3
Digestive organs, peritoneum	559.5	507.5	496.6	476.2	465.3	422.9	353.3	326.3	312.2	303.1
Breast	1.7	2.7	2.1	2.3	1.8	129.9	127.4	126.4	137.7	136.2
Genital organs	285.9	299.4	315.4	321.4	324.4	119.1	104.9	95.7	93.8	91.0
Lymphatic and hematopoietic tissues, excl. leukemia	43.9	74.0	80.0	92.8	93.9	31.4	49.4	57.8	64.2	67.2
Urinary organs	98.6	112.2	112.4	106.2	105.8	45.5	44.0	37.4	36.8	39.1
Lip, oral cavity, and pharynx	40.5	36.6	31.4	27.6	26.4	11.8	10.8	10.9	10.0	10.4
Leukemia	56.5	68.3	71.5	70.1	71.6	35.5	39.6	38.5	38.5	37.6
Persons, 85 years old and over:										
Respiratory, intrathoracic	132.2	215.3	386.3	450.2	472.9	45.2	56.5	96.3	102.7	113.0
Digestive organs, peritoneum	676.6	583.7	705.8	656.8	665.0	601.4	465.0	504.3	490.4	482.1
Breast	2.5	2.9	2.6	3.9	3.1	191.9	157.1	169.3	175.9	180.0
Genital organs	468.2	434.2	612.3	605.0	637.5	131.4	107.3	115.9	104.6	108.4
Lymphatic and hematopoietic tissues, excl. leukemia	40.9	58.1	93.2	113.1	110.8	25.2	41.7	63.0	72.6	77.1
Urinary organs	120.4	140.5	177.0	182.7	174.8	66.3	59.9	63.8	62.3	62.0
Lip, oral cavity, and pharynx	60.7	47.0	40.2	32.2	37.0	18.2	19.2	16.0	15.8	17.2
Leukemia	64.9	83.3	117.1	113.1	109.3	35.6	50.9	61.1	63.0	61.3

– Represents or rounds to zero. [1] Includes persons under 25 years of age and malignant neoplasms of other and unspecified sites, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 122. DEATH RATES FROM HEART DISEASE, BY SEX, AGE, AND SELECTED TYPE: 1960 TO 1986

[**Deaths per 100,000 population in specified age groups.** Beginning 1970, excludes deaths of nonresidents of the United States. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See Appendix III]

AGE AT DEATH AND SELECTED TYPE OF HEART DISEASE	MALE					FEMALE				
	1960	1970	1980	1985	1986	1960	1970	1980	1985	1986
Total U.S. rate [1]	**439.5**	**422.5**	**368.6**	**342.8**	**333.1**	**300.6**	**304.5**	**305.1**	**304.3**	**302.7**
25-34 years	20.1	15.2	11.4	11.5	11.8	11.3	7.7	5.3	5.0	5.5
35-44 years	112.7	103.2	66.7	58.4	58.0	38.2	32.2	21.4	18.3	17.7
45-54 years	420.4	376.4	282.6	236.9	221.4	127.5	109.9	84.5	73.8	72.1
55-64 years	1,066.9	987.2	746.8	651.9	627.1	429.4	351.6	272.1	250.3	244.1
65 years old and over	3,314.7	3,258.0	2,778.6	2,519.3	2,429.3	2,415.6	2,268.2	2,027.5	1,938.0	1,913.0
65-74 years	2,291.3	2,170.3	1,728.0	1,508.4	1,446.7	1,261.3	1,082.7	828.6	745.3	724.2
75-84 years	4,742.4	4,534.8	3,834.3	3,498.0	3,375.8	3,582.7	3,120.8	2,497.0	2,245.2	2,196.9
85 years old and over	9,788.9	8,426.2	8,752.7	8,123.7	7,911.5	9,016.8	7,591.8	7,350.5	6,935.7	6,889.3
Persons 45-54 years old:										
Ischemic heart	347.1	338.0	217.3	169.9	154.9	72.4	84.0	52.2	43.3	40.2
Rheumatic heart	19.9	11.4	3.1	1.9	1.6	19.5	10.6	4.3	2.7	2.6
Hypertensive heart [2]	23.9	4.6	8.3	8.4	7.9	21.5	4.0	5.4	4.6	4.6
Persons 55-64 years old:										
Ischemic heart	885.2	904.6	581.1	474.6	446.0	295.6	299.1	189.0	163.3	156.3
Rheumatic heart	29.0	21.5	6.2	4.2	4.2	28.4	20.8	9.2	6.3	5.8
Hypertensive heart [2]	71.2	11.7	21.8	19.6	18.6	63.9	9.1	13.3	12.2	11.4
Persons 65-74 years old:										
Ischemic heart	1,863.2	2,010.0	1,355.5	1,110.8	1,040.4	914.8	978.0	605.3	514.1	491.0
Rheumatic heart	31.0	31.9	11.8	8.6	7.9	31.2	30.2	18.6	13.3	12.9
Hypertensive heart [2]	174.3	30.6	44.3	38.2	36.6	175.4	24.8	36.2	29.0	27.7
Persons 75-84 years old:										
Ischemic heart	3,636.6	4,222.7	2,953.7	2,544.9	2,402.2	2,502.5	2,866.3	1,842.7	1,547.5	1,488.6
Rheumatic heart	35.2	34.8	16.7	14.7	14.1	37.9	34.3	25.4	24.1	23.8
Hypertensive heart [2]	401.2	80.8	90.7	79.5	72.6	488.3	83.9	101.1	80.4	76.8
Persons 85 years old and over:										
Ischemic heart	6,930.6	7,781.5	6,501.6	5,658.9	5,376.7	6,009.4	6,951.5	5,280.6	4,642.8	4,500.5
Rheumatic heart	46.1	34.7	18.5	17.7	18.7	58.0	39.2	25.8	27.2	28.5
Hypertensive heart [2]	858.2	182.0	180.3	150.7	134.8	1,064.8	223.5	250.8	213.9	210.6

[1] Includes persons under 25 years old, not shown separately. [2] With or without renal disease.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 123. DEATH RATES FROM ACCIDENTS AND VIOLENCE: 1970 TO 1986

[**Rates are per 100,000 population.** Excludes deaths of nonresidents of the U.S. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See Appendix III]

CAUSE OF DEATH AND AGE	WHITE						BLACK					
	Male			Female			Male			Female		
	1970	1980	1986	1970	1980	1986	1970	1980	1986	1970	1980	1986
Total [1]	**101.9**	**97.1**	**85.6**	**42.4**	**38.3**	**33.2**	**183.2**	**154.0**	**131.1**	**51.7**	**42.6**	**37.4**
Motor vehicle accidents	39.1	35.9	29.2	14.8	12.8	11.5	44.3	31.1	28.6	13.4	8.3	8.5
All other accidents	38.2	30.4	25.7	18.3	14.4	12.8	63.3	46.0	36.4	22.5	18.6	14.5
Suicide	18.0	19.9	22.3	7.1	5.9	5.9	8.0	10.3	11.1	2.6	2.2	2.3
Homicide	6.8	10.9	8.5	2.1	3.2	3.0	67.6	66.6	55.0	13.3	13.5	12.1
15-24 years old	130.7	138.6	118.8	34.9	37.3	34.3	234.3	162.0	147.6	45.5	35.0	31.8
25-34 years old	96.6	118.4	102.5	23.8	29.0	25.9	384.4	256.9	207.6	76.0	49.4	44.8
35-44 years old	85.7	94.1	80.6	25.8	29.2	25.2	345.2	218.1	179.9	77.2	43.2	35.7
45-54 years old	87.5	90.8	78.6	30.4	31.8	26.9	303.3	207.3	148.9	65.5	40.2	30.9
55-64 years old	101.5	92.3	82.1	36.3	33.8	29.9	242.4	188.5	133.8	56.0	47.3	41.4
65 years old and over	216.9	163.9	155.4	122.4	87.2	81.7	220.0	215.8	187.1	107.9	102.9	81.2
65-74 years old	128.0	116.7	105.7	57.7	46.4	44.4	217.4	182.2	146.1	81.5	68.7	54.8
75-84 years old	229.3	209.2	204.3	149.0	101.5	94.4	236.0	261.4	240.9	140.1	137.5	95.9
85 years old and over	466.7	438.5	428.8	391.4	268.1	222.9	271.8	379.2	364.2	214.3	235.7	193.8

[1] Includes persons under 15 years old, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 124. DEATHS AND DEATH RATES FROM ACCIDENTS, BY TYPE: 1970 TO 1986

[See headnote, table 123; and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 163-165]

TYPE OF ACCIDENT	DEATHS					RATE				
	1970	1980	1984	1985	1986	1970	1980	1984	1985	198
Accidents and adverse effects	**114,638**	**105,718**	**92,911**	**93,457**	**95,277**	**56.4**	**46.7**	**39.3**	**39.1**	**39.5**
Motor-vehicle accidents	54,633	53,172	46,263	45,901	47,865	26.9	23.5	19.6	19.2	19.9
Traffic	53,493	51,930	45,208	44,822	46,867	26.3	22.9	19.1	18.8	19.4
Nontraffic	1,140	1,242	1,055	1,079	998	.6	.5	.4	.5	.4
Water-transport accidents	1,651	1,429	1,131	1,111	1,102	.8	.6	.5	.5	.5
Air and space transport accidents	1,612	1,494	1,234	1,428	1,148	.8	.7	.5	.6	.5
Railway accidents	852	632	570	551	556	.4	.3	.2	.2	.2
Accidental falls	16,926	13,294	11,937	12,001	11,444	8.3	5.9	5.0	5.0	4.7
Fall from one level to another	4,798	3,743	3,269	3,365	3,234	2.4	1.7	1.4	1.4	1.3
Fall on the same level	828	415	436	411	394	.4	.2	.2	.2	.2
Fracture, cause unspecified, and other and unspecified falls	11,300	9,136	8,232	8,225	7,816	5.6	4.0	3.5	3.4	3.2
Accidental drowning	6,391	6,043	4,444	4,407	4,777	3.1	2.7	1.9	1.8	2.0
Accidents caused by—										
Fires and flames	6,718	5,822	5,010	4,938	4,835	3.3	2.6	2.1	2.1	2.0
Firearms	2,406	1,955	1,668	1,649	1,452	1.2	.9	.7	.7	.6
Electric current	1,140	1,095	888	802	854	.6	.5	.4	.3	.4
Accidental poisoning by—										
Drugs and medicines	2,505	2,492	3,266	3,612	4,187	1.2	1.1	1.4	1.5	1.7
Other solid and liquid substances	1,174	597	542	479	544	.6	.3	.2	.2	.2
Gases and vapors	1,620	1,242	1,103	1,079	1,009	.8	.5	.5	.5	.4
Complications due to medical procedures	3,581	2,437	2,628	2,852	3,069	1.8	1.1	1.1	1.2	1.3
Inhalation and ingestion of objects	2,753	3,249	3,541	3,551	3,692	1.4	1.4	1.5	1.5	1.5
All other accidents	10,676	10,765	8,686	9,096	8,743	5.2	4.7	3.7	3.8	3.6

NO. 125. SUICIDE RATES, BY SEX, RACE, AND AGE GROUP: 1970 TO 1986

[See headnote, table 123]

AGE	TOTAL [1]			MALE						FEMALE					
				White			Black			White			Black		
	1970	1980	1986	1970	1980	1986	1970	1980	1986	1970	1980	1986	1970	1980	1986
All ages [2]	**11.6**	**11.9**	**12.8**	**18.0**	**19.9**	**22.3**	**8.0**	**10.3**	**11.1**	**7.1**	**5.9**	**5.9**	**2.6**	**2.2**	**2.3**
10-14 years old	.6	.8	1.5	1.1	1.4	2.4	.3	.5	1.5	.3	.3	.7	.4	.1	.4
15-19 years old	5.9	8.5	10.2	9.4	15.0	18.2	4.7	5.6	7.1	2.9	3.3	4.1	2.9	1.6	2.1
20-24 years old	12.2	16.1	15.8	19.3	27.8	28.4	18.7	20.0	16.0	5.7	5.9	5.3	4.9	3.1	2.4
25-34 years old	14.1	16.0	15.7	19.9	25.6	26.4	19.2	21.8	21.3	9.0	7.5	6.2	5.7	4.1	3.8
35-44 years old	16.9	15.4	15.2	23.3	23.5	23.9	12.6	15.6	17.5	13.0	9.1	8.3	3.7	4.6	2.8
45-54 years old	20.0	15.9	16.4	29.5	24.2	26.3	13.8	12.0	12.8	13.5	10.2	9.6	3.7	2.8	3.2
55-64 years old	21.4	15.9	17.0	35.0	25.8	28.7	10.6	11.7	9.9	12.3	9.1	9.0	2.0	2.3	4.2
65 years and over	20.8	17.8	21.5	41.1	37.5	45.6	8.7	11.4	16.2	8.5	6.5	7.5	2.6	1.4	2.4
65-74 years old	20.8	16.9	19.7	38.7	32.5	37.6	8.7	11.1	16.1	9.6	7.0	7.7	2.9	1.7	2.8
75-84 years old	21.2	19.1	25.2	45.5	45.5	56.9	8.9	10.5	16.0	7.2	5.7	8.0	1.7	1.4	2.6
85 years and over	19.0	19.2	20.8	45.8	52.8	66.3	8.7	18.9	17.9	5.8	5.8	5.0	2.8	-	-

- Represents or rounds to zero. [1] Includes other races not shown separately. [2] Includes other age groups not shown separately.

NO. 126. SUICIDES, BY SEX AND METHOD USED: 1970 TO 1986

[Excludes deaths of nonresidents of the United States. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series H 979-986]

METHOD	MALE							FEMALE						
	1970	1975	1980	1983	1984	1985	1986	1970	1975	1980	1983	1984	1985	1986
Total	**16,629**	**19,622**	**20,505**	**21,786**	**22,689**	**23,145**	**24,226**	**6,851**	**7,441**	**6,364**	**6,509**	**6,597**	**6,308**	**6,678**
Firearms [1]	9,704	12,185	12,937	13,959	14,504	14,809	15,518	2,068	2,688	2,459	2,641	2,609	2,554	2,635
Percent of total	58.4	62.1	63.1	64.1	63.9	64.0	64.1	30.2	36.1	38.6	40.6	39.5	40.5	39.5
Poisoning [2]	3,299	3,297	2,997	3,148	3,203	3,319	3,516	3,285	3,129	2,456	2,469	2,406	2,385	2,520
Hanging and strangulation [3]	2,422	2,815	2,997	3,222	3,478	3,532	3,761	831	846	694	709	863	732	845
Other [4]	1,204	1,325	1,574	1,457	1,504	1,485	1,431	667	778	755	690	719	637	678

[1] Includes explosives through 1975. [2] Includes solids, liquids, and gases. [3] Includes suffocation.
[4] Beginning 1980 includes explosives.

Source of tables 124-126: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 127. Marriages and Divorces: 1960 to 1985

[See also *Historical Statistics, Colonial Times to 1970,* series B 214–217]

YEAR	MARRIAGES [1]						DIVORCES AND ANNULMENTS		
	Number (1,000)	Rate per 1,000 population					Number (1,000)	Rate per 1,000 population	
		Total	Men 15 years old and over	Women 15 years old and over	Unmarried women			Total	Married women 15 yrs. old and over
					15 years old and over	15–44 years old			
960	1,523	8.5	25.4	24.0	73.5	148.0	393	2.2	9.2
965	1,800	9.3	27.9	26.0	75.0	144.3	479	2.5	10.6
970	2,159	10.6	31.1	28.4	76.5	140.2	708	3.5	14.9
975	2,153	10.0	27.9	25.6	66.9	118.5	1,036	4.8	20.3
980	2,390	10.6	28.5	26.1	61.4	102.6	1,189	5.2	22.6
981	2,422	10.6	28.4	26.1	61.7	103.1	1,213	5.3	22.6
982	2,456	10.6	28.4	26.1	61.4	101.9	1,170	5.0	21.7
983	2,446	10.5	28.0	25.7	59.9	99.3	1,158	4.9	21.3
984	2,477	10.5	28.1	25.8	59.5	99.0	1,169	5.0	21.5
985	2,413	10.1	26.9	24.8	57.0	94.9	1,190	5.0	21.7

[1] Beginning 1980, includes nonlicensed marriages registered in California.

No. 128. Percent Distribution of Marriages by Age, Sex, and Previous Marital Status: 1975 to 1985

[Data cover marriage registration area; see text, section 2. Based on a sample and subject to sampling variability; for details, see source]

SEX AND PREVIOUS MARITAL STATUS	Total	Under 20 years old	20–24 years old	25–29 years old	30–34 years old	35–44 years old	45–64 years old	65 years old and over
WOMEN								
ll marriages: [1]								
1975	100.0	29.2	36.1	14.4	6.7	6.7	6.0	1.0
1980	100.0	21.1	37.1	18.7	9.3	7.8	5.0	1.0
1985	100.0	13.9	34.4	22.1	12.0	11.1	5.4	1.0
irst marriages: [2]								
1975	100.0	40.4	44.1	10.6	2.6	1.4	.8	.1
1980	100.0	30.4	47.3	16.0	4.0	1.6	.6	.1
1985	100.0	20.8	46.3	22.4	6.9	2.8	.6	.1
emarriages: [2] [3]								
1975	100.0	2.6	17.2	23.4	16.3	19.3	18.1	3.1
1980	100.0	1.7	15.3	24.4	20.6	20.8	14.3	2.9
1985	100.0	.9	11.1	21.6	21.9	27.1	14.6	2.9
Previously divorced: [4] 1985	100.0	.9	12.0	23.2	23.5	28.4	11.2	.6
MEN								
l marriages: [1]								
1975	100.0	13.0	38.8	20.3	9.1	8.9	8.1	1.9
1980	100.0	8.5	35.7	23.8	12.3	10.5	7.4	1.8
1985	100.0	5.3	30.1	26.2	14.4	14.0	8.2	1.9
rst marriages: [2]								
1975	100.0	18.7	52.2	19.9	5.0	2.8	1.4	.1
1980	100.0	12.7	50.0	25.7	7.5	2.9	1.1	.1
1985	100.0	8.1	43.4	31.5	11.0	4.7	1.1	.1
emarriages: [2] [3]								
1975	100.0	.3	9.1	21.1	18.0	22.7	22.9	5.7
1980	100.0	.2	7.2	20.1	21.9	25.6	20.0	5.1
1985	100.0	.1	4.9	16.0	20.6	31.6	21.6	5.2
Previously divorced: [4] 1985	100.0	.1	5.3	17.4	22.3	33.7	19.6	1.6

[1] Includes marriage order not stated. [2] Excludes data for Iowa. [3] Includes remarriages of previously widowed.
[4] Excludes remarriages in Michigan, Ohio, and South Carolina.

No. 129. Percent Distribution of Marriages, by Marriage Order: 1970 to 1985

[Beginning 1978, excludes Iowa. Excludes marriages with marriage order not stated. See headnote, table 128]

MARRIAGE ORDER	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
st marriage of bride and groom	68.6	60.1	57.1	56.4	56.2	54.7	54.8	54.4	54.4	54.3
st marriage of bride, remarriage of groom	7.6	9.9	11.1	11.2	11.3	11.8	11.6	11.6	11.5	11.5
marriage of bride, first marriage of groom	7.3	8.6	9.3	9.5	9.8	10.1	10.3	10.5	10.7	10.9
marriage of bride and groom	16.5	21.3	22.5	22.9	22.7	23.4	23.3	23.5	23.4	23.4

ource of tables 127–129: U.S. National Center for Health Statistics, *Vital Statistics of the United States,* annual; *Monthly Vital tistics Report;* and unpublished data.

NO. 130. MARRIAGE RATES AND MEDIAN AGE OF BRIDE AND GROOM BY PREVIOUS MARITAL ST
1970 TO 1985

[Data cover marriage registration area; see text, section 2. Beginning 1977, excludes Iowa. Figures for previously divorc previously widowed exclude data for Michigan and Ohio for all years, for South Carolina beginning 1975, and for the Di Columbia for 1970. Based on a sample and subject to sampling variability; for details, see source. For definition of medi Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970,* series A 158–159]

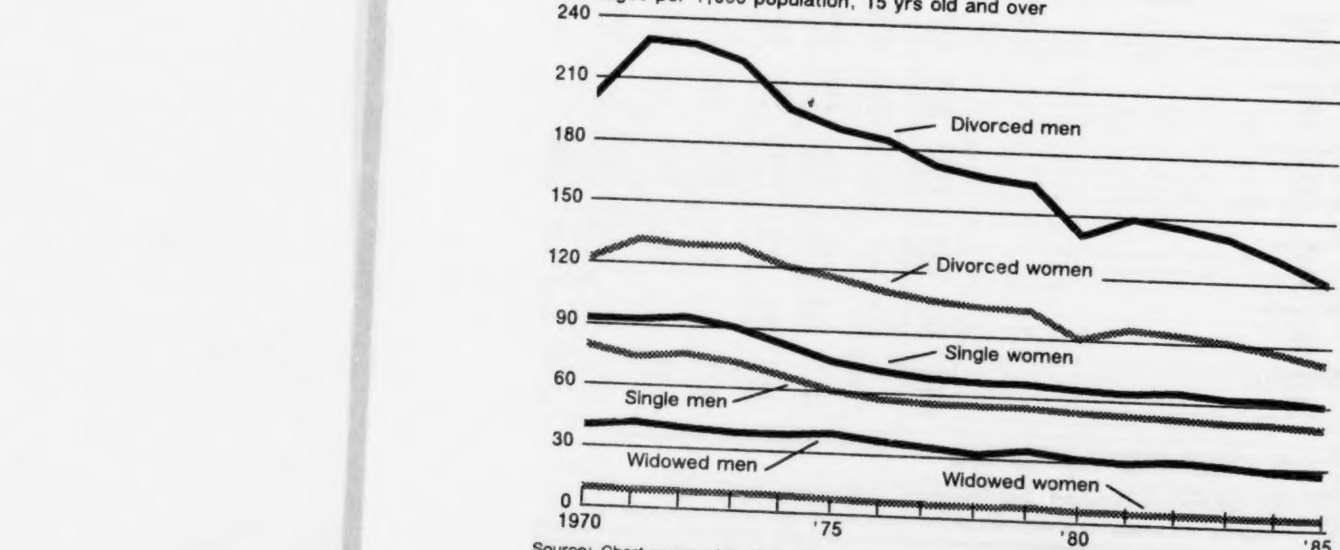
YEAR	MARRIAGE RATES [1]						MEDIAN AGE AT MARRIAGE				
	Women			Men			Women			Men	
	Single	Divorced	Widowed	Single	Divorced	Widowed	First marriage	Remarriage		First marriage	Reman
								Divorced	Widowed		Divorced
1970	93.4	123.3	10.2	80.4	204.5	40.6	20.6	30.1	51.2	22.5	34.5
1975	75.9	117.2	8.3	61.5	189.8	40.4	20.8	30.2	52.4	22.7	33.6
1976	72.0	111.3	7.9	58.2	185.0	37.6	21.0	30.1	53.0	22.9	33.7
1977	69.2	107.3	7.6	56.7	173.4	35.3	21.1	30.2	53.1	23.0	33.6
1978	68.2	105.0	7.1	56.4	168.6	32.7	21.4	30.5	52.6	23.2	33.8
1979	67.8	104.0	7.7	56.3	165.6	35.3	21.6	30.8	55.2	23.4	33.9
1980	66.0	91.3	6.7	54.7	142.1	32.2	21.8	31.0	53.6	23.6	34.0
1981	64.9	96.3	6.5	53.8	150.8	30.8	22.0	31.2	53.6	23.9	34.4
1982	66.0	94.4	6.1	53.1	146.9	32.1	22.3	31.6	54.1	24.1	34.9
1983	63.8	91.6	6.2	51.8	142.1	30.7	22.5	32.0	54.0	24.4	35.3
1984	63.5	87.3	5.8	51.6	132.7	28.7	22.8	32.5	54.2	24.6	35.9
1985	61.5	81.8	5.7	50.1	121.6	27.7	23.0	32.7	54.4	24.8	36.0

[1] Rate per 1,000 population 15 years old and over in specified group.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States,* annual; *Monthly Vital Statistics Re* and unpublished data.

Figure 2.3

Marriage Rates by Previous Marital Status: 1970 to 1985



Source: Chart prepared by U.S. Bureau of the Census. For data see table 130.

No. 131. Marriages—Age Differences of Bride and Groom, by Age: 1985

[**In percent, except as indicated.** Data cover marriage-registration area; see text, section 2. Based on a sample and subject to sampling variability; for details, see source]

AGE OF BRIDE	PERCENT DISTRIBUTION				Average number of years groom older than bride	AGE OF GROOM	PERCENT DISTRIBUTION				Average number of years groom older than bride
	Total	Groom older than bride	Groom same age as bride	Bride older than groom			Total	Groom older than bride	Groom same age as bride	Bride older than groom	
Total	**100.0**	**67.1**	**10.8**	**22.1**	**5.3**	**Total**	**100.0**	67.1	**10.8**	**22.1**	**5.3**
15–19 years old	100.0	87.0	9.7	3.4	4.1	15–19 years old	100.0	41.9	25.4	32.8	1.7
20–24 years old	100.0	72.7	14.2	13.0	4.5	20–24 years old	100.0	58.5	16.3	25.2	2.5
20 years old	100.0	79.4	12.4	8.2	4.2	20 years old	100.0	54.0	18.7	27.3	1.9
21 years old	100.0	76.7	13.1	10.2	4.3	21 years old	100.0	58.1	16.4	25.5	2.2
22 years old	100.0	71.9	15.7	12.4	4.4	22 years old	100.0	56.8	17.5	25.7	2.4
23 years old	100.0	68.4	15.5	16.1	4.7	23 years old	100.0	59.7	15.9	24.3	2.6
24 years old	100.0	67.5	14.2	18.3	4.8	24 years old	100.0	62.2	13.7	24.1	2.9
25–29 years old	100.0	61.3	11.5	27.2	5.6	25–29 years old	100.0	66.8	9.7	23.5	3.8
25 years old	100.0	64.8	13.2	21.9	5.1	25 years old	100.0	64.9	11.8	23.3	3.2
26 years old	100.0	62.9	11.7	25.4	5.5	26 years old	100.0	66.4	9.9	23.7	3.5
27 years old	100.0	60.8	11.5	27.7	5.8	27 years old	100.0	66.1	9.3	24.6	3.9
28 years old	100.0	59.1	10.2	30.7	5.9	28 years old	100.0	68.2	8.4	23.4	4.3
29 years old	100.0	56.6	9.7	33.7	6.2	29 years old	100.0	69.6	8.2	22.2	4.7
30–34 years old	100.0	54.3	7.9	37.9	6.6	30–34 years old	100.0	72.1	6.6	21.3	5.7
35–39 years old	100.0	52.8	6.4	40.8	7.4	35–39 years old	100.0	77.1	5.1	17.8	7.4
40–44 years old	100.0	55.6	5.5	38.9	7.9	40–44 years old	100.0	80.9	4.3	14.7	8.8
45–49 years old	100.0	58.1	5.0	36.9	8.1	45–49 years old	100.0	83.6	3.6	12.8	9.9
50–54 years old	100.0	63.9	5.2	30.9	8.3	50–54 years old	100.0	84.7	3.4	11.8	10.9
55–64 years old	100.0	64.4	6.5	29.1	7.2	55–64 years old	100.0	83.6	3.9	12.5	12.0
65 years old and over	100.0	58.1	7.5	34.4	5.7	65 years old and over	100.0	85.8	4.0	10.2	12.1

No. 132. Divorces and Annulments—Median Duration of Marriage, Median Age at Divorce, and Children Involved: 1970 to 1985

[Data cover divorce-registration area; see text, section 2. Based on a sample and subject to sampling variability; for details, see source. Median age computed on data by single years of age. See also *Historical Statistics, Colonial Times to 1970*, series B 218. NA Not available]

DURATION OF MARRIAGE, AGE, AND CHILDREN INVOLVED	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Median duration of marriage (years)	6.7	6.5	6.6	6.6	6.8	6.8	7.0	7.0	7.0	6.9	6.8
Median age at divorce:											
Men (years)	(NA)	32.2	32.4	32.0	32.5	32.7	33.1	33.6	34.0	34.3	34.4
Women (years)	(NA)	29.5	29.9	29.7	30.1	30.3	30.6	31.1	31.5	31.7	31.9
Children involved in divorce (1,000)	870	1,123	1,095	1,147	1,181	1,174	1,180	1,108	1,091	1,081	1,091
Avg. number of children per decree	1.22	1.08	1.00	1.01	1.00	.98	.97	.94	.94	.92	.92
Rate per 1,000 children under 18 years of age	12.5	16.7	16.7	17.7	18.4	17.3	18.7	17.6	17.4	17.2	17.3

No. 133. Divorces and Annulments—Rate and Percent Distribution, by Sex and Age: 1985

[See headnote, table 132]

AGE AT TIME OF DIVORCE DECREE	DIVORCE RATE [1]		PERCENT DISTRIBUTION		AGE AT TIME OF MARRIAGE	PERCENT DISTRIBUTION OF DIVORCES	
	Women	Men	Women	Men		Women	Men
Total	**19.2**	**19.4**	**100.0**	**100.0**	**Total**	**100.0**	**100.0**
Under 20 years old	48.4	40.0	2.1	.5	Under 20 years old	32.6	14.2
20–24 years old	46.8	49.9	16.8	10.3	20–24 years old	36.7	41.4
25–29 years old	35.6	38.4	23.1	21.0	25–29 years old	14.4	20.5
30–34 years old	28.6	30.4	19.9	20.6	30–34 years old	7.2	10.3
35–39 years old	23.4	26.3	15.5	17.2	35–39 years old	4.0	5.5
40–44 years old	19.6	23.2	10.2	12.0	40–44 years old	2.3	3.4
45–49 years old	12.6	16.7	5.6	7.4	45 years old and over	2.9	4.8
50–54 years old	7.4	11.1	3.1	4.8			
55–59 years old	4.2	6.8	1.8	3.0			
60–64 years old	2.7	4.1	1.1	1.6			
65 years old and over	1.6	2.1	.9	1.7			

[1] Rate per 1,000 married population in specified group. Figures for age not stated were distributed. Excludes data for Michigan, Ohio, and South Dakota.

Source of tables 131–133: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual and *Monthly Vital Statistics Report*, and unpublished data.

No. 134. MARRIAGES AND DIVORCES—NUMBER AND RATE, BY STATE: 1980 TO 1987

[By place of occurrence. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	MARRIAGES [1]						DIVORCES [3]					
	Number (1,000)			Rate per 1,000 population [2]			Number (1,000)			Rate per 1,000 population [2]		
	1980	1985	1987, prel.	1980	1985	1987, prel.	1980	1985	1987, prel.	1980	1985	19 p
U.S.	2,390.3	2,412.6	[4] 2,421.0	10.6	10.1	[4] 9.9	1,189.0	[5] 1,190.0	[5] 1,157.0	5.2	[5] 5.0	[5]
Region:												
Northeast	400.3	428.7	436.4	8.1	8.6	8.7	174.0	187.0	178.6	3.5	3.8	3
Midwest	569.2	[6] 520.5	502.4	9.7	[6] 8.8	8.4	292.0	267.0	(NA)	5.0	4.5	(N
South	880.2	919.1	906.3	11.7	11.2	10.8	449.0	[5] 458.0	(NA)	6.0	[5] 5.6	(N
West	540.5	544.3	578.2	12.5	11.4	11.6	274.0	278.0	260.7	6.3	5.8	5
New England	**106.3**	**114.3**	**119.2**	**8.6**	**9.0**	**9.3**	**49.0**	**49.9**	**44.0**	**4.0**	**3.9**	**3**
Maine	12.0	12.2	11.9	10.7	10.5	10.0	6.2	6.1	5.8	5.5	5.2	4
New Hampshire	9.3	11.4	10.5	10.0	11.4	9.9	5.3	4.9	4.8	5.7	4.9	4
Vermont	5.2	5.5	5.7	10.2	10.4	10.3	2.6	2.4	2.2	5.1	4.4	4
Massachusetts	46.3	49.8	55.9	8.1	8.6	9.6	17.9	21.6	17.8	3.1	3.7	3.
Rhode Island	7.5	8.0	8.0	7.9	8.3	8.1	3.6	3.7	3.7	3.8	3.8	3.
Connecticut	26.0	27.3	27.2	8.4	8.6	8.5	13.5	11.2	9.7	4.3	3.5	3.
Middle Atlantic	**294.0**	**314.3**	**317.2**	**8.0**	**8.5**	**8.5**	**124.7**	**137.1**	**134.7**	**3.4**	**3.7**	**3.**
New York	144.5	164.0	[7] 169.2	8.2	9.2	[7] 9.5	62.0	67.6	69.0	3.5	3.8	3.
New Jersey	55.8	61.2	60.1	7.6	8.1	7.8	27.8	29.3	27.2	3.8	3.9	3.
Pennsylvania	93.7	89.1	87.9	7.9	7.5	7.4	34.9	40.2	38.5	2.9	3.4	3.
East North Central	**395.5**	**[6] 362.2**	**352.6**	**9.5**	**[6] 8.7**	**8.4**	**212.4**	**[6] 192.6**	**(NA)**	**5.1**	**[6] 4.6**	**(N**
Ohio	99.8	[6] 94.4	95.6	9.2	[6] 8.8	8.9	58.8	[6] 53.0	48.2	5.4	[6] 4.9	4.
Indiana	57.9	51.1	48.5	10.5	9.3	8.8	[8] 40.0	[8] 35.3	(NA)	[8] 7.3	[8] 6.4	(N
Illinois	109.8	97.7	95.6	9.6	8.5	8.3	51.0	48.9	46.7	4.5	4.2	4.
Michigan	86.9	79.0	75.2	9.4	8.7	8.2	45.0	38.8	40.5	4.9	4.3	4.4
Wisconsin	41.1	40.0	37.7	8.7	8.4	7.8	17.5	16.6	17.0	3.7	3.5	3.5
West North Central	**173.7**	**158.3**	**149.8**	**10.1**	**9.0**	**8.5**	**79.6**	**74.3**	**72.1**	**4.6**	**4.2**	**4.1**
Minnesota	37.6	35.1	32.8	9.2	8.4	7.7	15.4	14.8	14.9	3.8	3.5	3.5
Iowa	27.5	24.6	23.1	9.4	8.5	8.2	11.9	10.5	10.8	4.1	3.7	3.8
Missouri	54.6	49.5	48.2	11.1	9.8	9.4	27.6	25.0	24.3	5.6	5.0	4.8
North Dakota	6.1	5.4	5.0	9.3	7.9	7.5	2.1	2.3	2.2	3.3	3.4	3.3
South Dakota	8.8	7.8	7.0	12.7	11.0	9.8	2.8	2.6	2.7	4.1	3.6	3.8
Nebraska	14.2	12.7	11.7	9.1	7.9	7.4	6.4	6.4	6.3	4.1	4.0	4.0
Kansas	24.8	23.3	22.0	10.5	9.5	8.9	13.4	12.8	10.9	5.7	5.2	4.4
South Atlantic	**413.1**	**438.8**	**443.8**	**11.2**	**10.9**	**10.6**	**206.3**	**210.5**	**216.5**	**5.6**	**5.2**	**5.2**
Delaware	4.4	5.4	5.2	7.5	8.6	8.1	2.3	3.0	2.9	3.9	4.8	4.5
Maryland	46.3	46.1	45.4	11.0	10.5	10.0	17.5	16.2	15.9	4.1	3.7	3.5
District of Columbia	5.2	5.0	5.1	8.1	8.1	8.3	4.7	2.7	4.2	7.3	4.3	6.7
Virginia	60.2	66.5	67.1	11.3	11.7	11.4	23.6	24.1	25.6	4.4	4.2	4.3
West Virginia	17.4	14.6	13.5	8.9	7.5	7.1	10.3	9.9	9.1	5.3	5.1	4.8
North Carolina	46.7	50.5	50.5	7.9	8.1	7.9	28.1	30.2	31.6	4.8	4.8	4.9
South Carolina	53.9	52.9	53.5	17.3	15.8	15.6	13.6	13.5	14.0	4.4	4.0	4.1
Georgia	70.6	72.3	65.3	12.9	12.1	10.5	34.7	33.4	33.5	6.4	5.6	5.4
Florida	108.3	125.5	138.2	11.1	11.0	11.5	71.6	77.5	79.7	7.3	6.8	6.6
East South Central	**[9] 168.8**	**171.8**	**173.0**	**[9] 11.5**	**11.4**	**11.3**	**[6] 87.5**	**86.2**	**88.0**	**[6] 6.0**	**5.7**	**5.8**
Kentucky	[9] 32.7	46.0	47.6	[9] 8.9	12.3	12.8	[6] 16.7	18.3	19.9	[6] 4.6	4.9	5.3
Tennessee	59.2	55.0	57.5	12.9	11.5	11.8	30.2	29.9	31.0	6.6	6.3	6.4
Alabama	49.0	46.1	44.0	12.6	11.5	10.8	26.7	25.0	24.7	6.9	6.2	6.0
Mississippi	27.9	24.8	23.9	11.1	9.5	9.1	13.8	[6] 13.0	12.4	5.5	[6] 5.0	4.7
West South Central	**298.2**	**308.6**	**289.5**	**12.6**	**11.6**	**10.8**	**[6] 155.0**	**[6] 160.9**	**(NA)**	**[6] 6.5**	**(NA)**	**(NA)**
Arkansas	26.5	31.7	32.2	11.6	13.4	13.5	[6] 15.9	[6] 16.5	16.2	[6] 6.9	[6] 7.0	6.8
Louisiana	43.5	39.4	36.8	10.3	8.8	8.2	[6] 18.1	[6] 17.6	(NA)	[6] 4.3	(NA)	(NA)
Oklahoma	46.5	35.9	31.8	15.4	10.9	9.7	24.2	26.4	23.9	8.0	8.0	7.3
Texas	181.8	201.6	188.7	12.8	12.3	11.2	96.8	100.4	93.3	6.8	6.1	5.6
Mountain	**241.7**	**233.7**	**245.1**	**21.3**	**18.3**	**18.8**	**86.1**	**89.9**	**86.9**	**7.6**	**7.0**	**6.6**
Montana	8.3	7.2	6.5	10.6	8.7	8.1	4.9	4.3	4.1	6.3	5.2	5.1
Idaho	13.4	12.3	13.1	14.2	12.2	13.1	6.6	6.2	5.9	7.0	6.2	5.9
Wyoming	6.9	5.4	4.6	14.6	10.6	9.4	4.0	3.8	3.2	8.5	7.5	6.5
Colorado	34.9	33.6	31.4	12.1	10.4	9.5	18.6	19.2	18.6	6.4	5.9	5.6
New Mexico	16.6	[9] 15.5	[10] 13.5	12.8	[9] 10.7	[10] 10.7	10.4	[11] 13.2	8.6	8.0	[11] 9.1	5.7
Arizona	30.2	35.7	[7] 42.0	11.1	11.2	[7] 12.4	19.9	21.2	23.8	7.3	6.6	7.0
Utah	17.0	17.5	16.3	11.6	10.6	9.7	7.8	8.8	8.9	5.3	5.3	5.3
Nevada	114.3	106.5	117.7	142.8	113.7	116.8	13.8	13.3	13.8	17.3	14.2	13.7
Pacific	**298.8**	**310.8**	**333.2**	**9.4**	**8.9**	**9.1**	**187.9**	**188.5**	**173.8**	**5.9**	**5.4**	**4.8**
Washington	47.7	43.8	43.5	11.6	9.9	9.6	28.6	26.3	26.0	6.9	6.0	5.7
Oregon	23.0	22.4	23.3	8.7	8.3	8.6	17.8	15.7	15.7	6.7	5.9	5.8
California [12]	210.9	222.8	244.4	8.9	8.5	8.8	133.5	[13] 137.5	124.1	5.6	[13] 5.2	4.5
Alaska	5.4	6.2	5.5	13.3	11.8	10.5	3.5	4.0	3.5	8.8	7.7	6.7
Hawaii	11.9	15.4	16.4	12.3	14.7	15.2	4.4	4.9	4.5	4.6	4.6	4.1

NA Not available. [1] Data are counts of marriages performed, except as noted. [2] Based on total population residing in area; population enumerated as of April 1 for 1980, estimated as of July 1 for all other years. [3] Includes annulments. [4] Estimate for U.S. is based on monthly reports adjusted for observed differences from final monthly figures. State figures are not adjusted in this manner. [5] Estimated. [6] Data are incomplete. [7] For some counties, data are marriage licenses issued. [8] Includes divorce petitions filed for some counties. [9] Premarital health forms issued. [10] Marriage licenses issued. [11] Divorce petitions filed. [12] Marriage data include nonlicensed marriages registered. [13] Data include legal separations.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and *Monthly Vital Statistics Reports.*

Section 3

Health and Nutrition

This section presents statistics on health expenditures and insurance coverage; medical personnel; hospitals; nursing homes and other care facilities; incidence of acute and prevalence of chronic conditions; nutritional intake of the population; and per capita food consumption. Summary statistics showing recent trends on health care and discussions of selected health issues are published annually by the U.S. National Center for Health Statistics (NCHS) in *Health, United States.* Data on national health expenditures, medical costs, and insurance coverage are compiled by the U.S. Health Care Financing Administration (HCFA), and appear in the quarterly *Health Care Financing Review, Health Care Financing Notes,* (no longer being produced) and in the *Annual Medicare Program Statistics* series. Statistics on health facilities are collected by NCHS and are published in series 14 of *Vital and Health Statistics.* Statistics on hospitals are published annually by the American Hospital Association, Chicago, IL, in *Hospital Statistics.* Primary sources for data on nutrition are the quarterly *National Food Review* and the annual *Food Consumption, Prices, and Expenditures,* both issued by the U.S. Department of Agriculture. In addition, NCHS conducts periodic surveys of nutrient levels in the population and clinical signs of malnutrition.

National health expenditures.—The HCFA compiles estimates of national health expenditures (NHE) to measure spending for health care in the U.S. The NHE accounts are structured to show spending by type of expenditure (i.e., hospital care, physician care, dental care, other professional care, drugs and medical sundries, medical durable equipment, nursing home care and other personal health expenditures, plus non-personal health expenditures for such items as public health, research, construction of medical facilities, and administration) and by source of funding (e.g., private health insurance, direct payments, and a range of public programs including Medicare, Medicaid and Veterans Administration (VA)).

In all cases except private insurance (HCFA conducts its own survey of part of the health insurance industry), data used to estimate health expenditures come from existing sources which are tabulated for other purposes. The type of expenditure estimates rely upon statistics produced by such groups as the American Hospital Association, the Internal Revenue Service, the Department of Commerce, and the Department of Health and Human Services (HHS). Source of funding estimates are constructed using administrative and statistical records from: the Medicare and Medicaid programs, the Department of Defense and VA medical programs, the Social Security Administration, Census Bureau's *Governmental Finances,* State and local governments, other HHS agencies, and other nongovernment sources. Detailed descriptions of sources and methods, along with the most recent analysis of health care expenditure estimates, are published in the *Health Care Financing Review's* annual article on national health expenditures.

Health resources.—Hospital statistics based on data from the American Hospital Association's yearly survey are published annually in *Hospital Statistics,* and cover all hospitals accepted for registration by the Association. To be accepted for registration, a hospital must meet certain requirements relating to number of beds, construction, equipment, medical and nursing staff, patient care, clinical records, surgical and obstetrical facilities, diagnostic and treatment facilities, laboratory services, etc. Data obtained from NCHS cover all U.S. hospitals which meet certain criteria for inclusion. The criteria are published in *Vital and Health Statistics* reports, series 14. In these reports, a hospital is defined as a facility with at least six inpatient beds that is licensed as a hospital by a State, or is operated as a hospital by a Federal or State agency.

Statistics on the demographic characteristics of persons employed in the health occupations are based on data compiled by the U.S. Bureau of Labor Statistics and reported in *Employment and Earnings* (monthly) (see table 642, section 13). Data based on sample surveys of health personnel and utilization of health facilities providing long-term care, ambulatory care, and hospital care are presented in NCHS series 13 and series 14, *Health Resources Utilization Data* and *Manpower and Facilities Data.* Statistics on patient visits to health care providers, as reported in health interviews, appear in NCHS series 10, *National Health Interview Survey Data.*

The HCFA's *Health Care Financing Review, Health Care Financing Program Statistics* and *Notes* series present data for hospitals and nursing homes as well as extended care facilities and home health agencies. These data are based on records of the Medicare program and differ from those of other sources because they are limited to facilities meeting Federal eligibility standards for participation in Medicare.

Data on patients in hospitals for the mentally ill and on mental health facilities are collected by the National Institute of Mental Health (NIMH) and appear in *Mental Health, U.S.,*the *Mental Health Statistics* reports, (series CN), and the Mental Health Statistical Note series.

Disability and illness.—General health statistics, including morbidity, disability, injuries, preventive care, and findings from physiological testing, are collected by NCHS in its National Health Interview Survey and its National Health and Nutrition Examination Surveys and appear in *Vital and Health Statistics,* series 10 and 11, respectively. The Department of Labor compiles statistics on industrial injuries (see Section 13). Annual incidence data on notifiable diseases are compiled by the Public Health Service (PHS) at its Centers for Disease Control in Atlanta, Georgia, and are published as a supplement to its *Morbidity and Mortality Weekly Report.* The list of diseases is revised annually and includes those which, by mutual agreement of the States and PHS, are communicable diseases of national importance.

Nutrition.—Statistics on annual per capita consumption of food and its nutrient value are estimated by the U.S. Department of Agriculture and published quarterly in *National Food Review.* Historical data can be found in *Food Consumption, Prices, and Expenditures,* issued annually.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to data from NCHS and HCFA, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

NO. 135. NATIONAL HEALTH EXPENDITURES: 1970 TO 1986

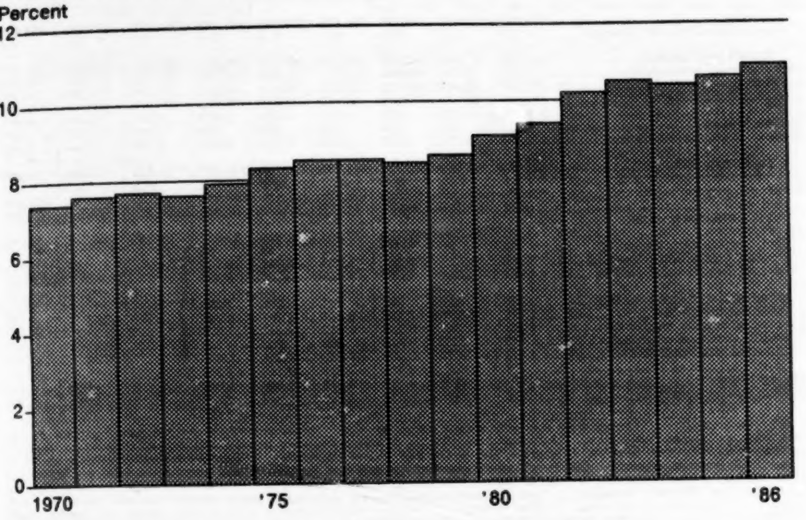
[Includes Puerto Rico and outlying areas]

YEAR	TOTAL [1]			HEALTH SERVICES AND SUPPLIES							
				Private				Public			
					Direct patient payments			Total [5]		Medical payments	
	Total (bil. dol.)	Per capita (dol.)	Per-cent of GNP [2]	Total [3] (bil. dol.)	Total (bil. dol.)	Per-cent of total private	Insurance premiums [4] (bil. dol.)	Total (bil. dol.)	Per-cent of total health exp.	Medicare (bil. dol.)	Public assistance (bil. dol.)
1970	75.0	349	7.4	44.7	26.5	59.3	16.9	24.9	33.2	7.5	6.3
1971	83.5	384	7.6	48.9	28.1	57.4	19.3	28.4	34.0	8.3	8.1
1972	94.0	428	7.7	55.3	30.6	55.4	22.2	32.1	34.1	9.1	9.1
1973	10[illegible].4	467	7.6	60.7	33.3	54.8	24.7	35.8	34.6	10.1	10.3
1974	116.1	521	7.9	65.8	36.2	55.0	27.9	42.9	36.9	13.1	12.1
1975	132.7	590	8.3	73.0	38.1	52.2	33.2	51.3	38.6	16.3	15.1
1976	150.8	665	8.5	84.5	42.0	49.8	40.4	57.3	38.0	19.3	16.9
1977	169.9	743	8.5	96.7	46.4	48.1	48.0	64.0	37.7	22.5	18.9
1978	189.7	822	8.4	106.6	50.7	47.6	53.6	73.3	38.7	25.9	21.1
1979	214.7	921	8.6	120.4	55.8	46.4	62.0	83.8	39.0	30.3	24.3
1980	248.1	1,054	9.1	138.7	63.0	45.5	72.6	97.5	39.3	36.8	28.1
1981	287.0	1,207	9.4	160.6	72.6	45.2	84.4	113.2	39.4	44.8	32.3
1982	323.6	1,348	10.2	182.2	79.6	43.7	98.7	127.1	39.3	52.4	34.9
1983	357.2	1,473	10.5	202.8	88.7	43.7	109.7	138.9	38.9	58.9	37.7
1984	391.1	1,597	10.4	224.7	98.4	43.8	121.5	150.8	38.6	64.4	38.3
1985	422.6	1,710	10.6	240.7	105.3	43.7	130.1	166.5	39.4	72.3	42.2
1986	458.2	1,837	10.9	262.5	116.1	44.2	140.7	179.5	39.2	77.7	45.8

[1] Includes medical research and medical facilities construction. [2] GNP=Gross national product; see table 688. [3] Includes other sources of funds not shown separately. [4] See footnote 3, table 136. [5] Includes other programs, not shown separately.

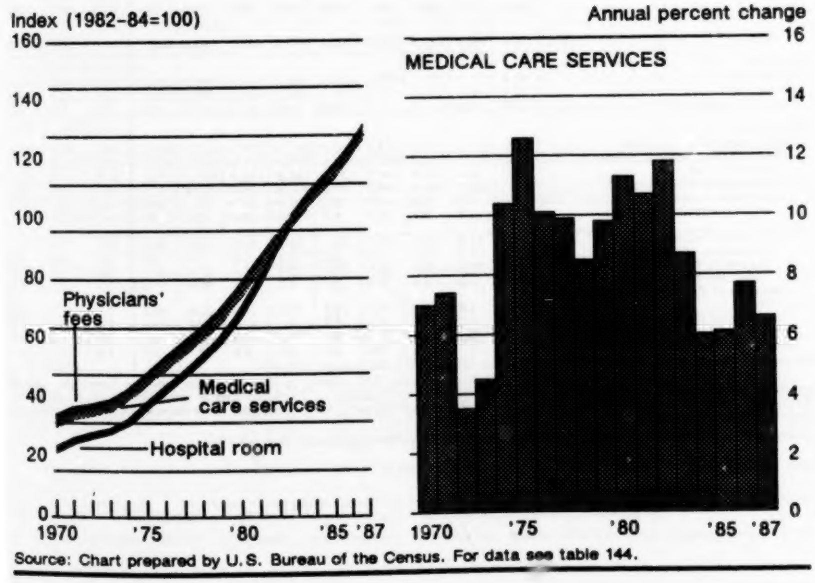
Source: U.S. Health Care Financing Administration, *Health Care Financing Review,* Summer 1987.

igure 3.1
ational Health Expenditures as Percent of Gross ational Product: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 135.

Figure 3.2
Indexes of Medical Care Prices: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 144.

NO. 136. NATIONAL HEALTH EXPENDITURES, BY TYPE: 1970 TO 1986

[**In millions of dollars, except percent.** Includes Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times 1970,* series B 248–261]

TYPE OF EXPENDITURE	1970	1975	1980	1981	1982	1983	1984	1985	198
Total	**74,995**	**132,680**	**248,110**	**286,975**	**323,635**	**357,185**	**391,070**	**422,592**	**458,2**
Average annual percent change [1]	[2] 12.3	12.1	13.3	15.7	12.8	10.4	9.5	8.1	8
Private expenditures	**47,222**	**76,356**	**142,938**	**165,781**	**188,357**	**209,658**	**231,348**	**246,612**	**268,5**
Health services and supplies	44,662	73,020	138,666	160,631	182,239	202,848	224,689	240,658	262,4
Direct patient payments	26,498	38,081	63,039	72,620	79,615	88,685	98,414	105,306	116,1
Insurance premiums [3]	16,871	33,178	72,595	84,419	98,679	109,684	121,464	130,139	140,7
Other	1,293	1,761	3,032	3,592	3,945	4,478	4,811	5,214	5,63
Medical research	215	264	305	318	333	354	363	377	38
Medical facilities construction	2,345	3,072	3,967	4,832	5,785	6,456	6,296	5,577	5,64
Public expenditures	**27,773**	**56,324**	**105,172**	**121,193**	**135,278**	**147,527**	[4] **159,722**	[4] **175,980**	[4] **189,69**
Percent Federal of public	63.6	65.8	67.5	68.7	68.9	69.6	69.9	70.7	70
Health services and supplies	24,933	51,259	97,506	113,170	127,115	138,949	150,752	166,501	179,47
Medicare [5]	7,496	16,317	36,814	44,772	52,362	58,860	64,427	72,294	77,72
Public assistance medical payments [6]	6,321	15,098	28,127	32,255	34,879	37,677	38,286	42,191	45,78
Temporary disability insurance [7]	66	73	52	52	53	59	(NA)	(NA)	(NA
Workers' compensation (medical) [7]	1,409	2,432	5,151	5,695	6,098	6,946			
Defense Dept. hospital, medical	1,782	2,830	4,207	4,917	5,709	6,535			
Maternal, child health programs	429	589	892	907	965	1,089			
Public health activities	1,431	3,165	7,294	8,483	9,331	9,946			
Veterans' hospital, medical care	1,764	3,495	5,939	6,512	7,144	7,677			
Medical vocational rehabilitation	149	177	216	206	200	233			
State and local hospitals [8]	3,320	5,230	5,803	6,253	7,219	6,878			
Other [9]	767	1,851	3,012	3,119	3,155	3,050			
Medical research	1,754	3,071	5,134	5,295	5,539	5,800	6,41[illegible]	6,996	7,825
Medical facilities construction	1,086	1,995	2,532	2,726	2,624	2,778	2,559	2,484	2,399

NA Not available. [1] Change from prior year shown, except as noted. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Change from 1965. [3] Covers insurance benefits and amount retained by insurance companies for expenses, additions to reserves, and profits (net cost of insurance). [4] Includes expenditures not available by type. [5] Represents expenditures for benefits and administrative cost from Federal hospital and medical insurance trust funds under old-age, survivors, disability, and health insurance programs; see text, section 12. [6] Payments made directly to suppliers of medical care. (Primarily Medicaid.) [7] Includes medical benefits paid under public law by private insurance carriers and self-insurers. [8] Expenditures not offset by other revenues. [9] Covers expenditures for Alcohol, Drug Abuse, and Mental Health Administration; Indian Health Service; school health and other programs.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

NO. 137. NATIONAL HEALTH EXPENDITURES, BY OBJECT: 1970 TO 1986

[See headnote, table 136. See also *Historical Statistics, Colonial Times to 1970,* series B 221–235]

OBJECT OF EXPENDITURE	EXPENDITURE (bil. dol.)									PERCENT		
	1970	1975	1980	1981	1982	1983	1984	1985	1986	1970	1980	1986
Total	**75.0**	**132.7**	**248.1**	**287.0**	**323.6**	**357.2**	**391.1**	**422.6**	**458.2**	**100.0**	**100.0**	**100.0**
Spent by—												
Consumers	43.4	71.3	135.6	157.0	178.3	198.4	219.9	235.4	256.9	57.8	54.7	56.0
Government	27.8	56.3	105.2	121.2	135.3	147.5	159.7	176.0	189.7	37.0	42.4	41.4
Philanthropy and industry	3.9	5.1	7.3	8.7	10.1	11.3	11.5	11.2	11.7	5.1	2.9	2.5
Spent for—												
Health services and supplies	69.6	124.3	236.2	273.8	309.4	341.8	375.4	407.2	442.0	92.8	95.2	96.5
Personal health care expenses	65.4	117.1	219.7	254.7	286.5	314.7	341.9	371.3	404.0	87.1	88.6	88.2
Hospital care	28.0	52.4	101.6	119.1	135.2	146.8	156.3	167.2	179.6	37.3	41.0	39.2
Physicians' services	14.3	24.9	46.8	54.8	61.8	64.8	75.4	82.8	92.0	19.1	18.9	20.1
Dentists' services	4.7	8.2	15.4	17.3	19.5	21.7	24.6	27.1	29.6	6.3	6.2	6.5
Other professional services [1]	1.6	2.6	5.7	6.8	8.0	9.3	10.9	12.4	14.1	2.1	2.3	3.1
Drugs and sundries	8.0	11.9	18.8	20.7	22.1	24.5	26.5	28.7	30.6	10.7	7.6	6.7
Eyeglasses and appliances [2]	1.9	3.2	5.1	5.3	5.8	6.2	7.0	7.5	8.2	2.6	2.0	1.8
Nursing home care	4.7	10.1	20.4	23.9	26.7	29.4	31.7	35.0	38.1	6.3	8.2	8.3
Other health services	2.1	3.8	5.9	6.8	7.4	8.3	9.4	10.8	11.9	2.8	2.4	2.6
Net cost of insurance and administration [3]	2.8	4.0	9.2	10.6	13.5	17.1	22.6	23.6	24.5	3.8	3.7	5.4
Government public health activities	1.4	3.2	7.3	8.5	9.3	9.9	11.0	12.3	13.4	1.9	2.9	2.9
Medical research	2.0	3.3	5.4	5.6	5.9	6.2	6.8	7.4	8.2	2.6	2.2	1.8
Medical facilities construction	3.4	5.1	6.5	7.6	8.4	9.2	8.9	8.1	8.0	4.6	2.6	1.8

[1] Includes services of registered and practical nurses in private duty, visiting nurses, podiatrists, physical therapists, clinical psychologists, chiropractors, naturopaths, and Christian Science practitioners. [2] Includes fees of optometrists and expenditures for hearing aids, orthopedic appliances, artifical limbs, crutches, wheelchairs, etc. [3] Includes administrative expenses of federally financed health programs.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

NO. 138. HEALTH SERVICES AND SUPPLIES—PER CAPITA NATIONAL AND PRIVATE CONSUMER EXPENDITURES, BY OBJECT: 1970 TO 1986

[**In dollars, except percent.** Based on Social Security Administration estimates of total U.S. population as of July 1, including Armed Forces and Federal employees abroad and civilian population of outlying areas. Excludes research and construction. See also *Historical Statistics, Colonial Times to 1970*, series B 222-232]

OBJECT OF EXPENDITURE	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total, national	**324**	**553**	**876**	**1,004**	**1,152**	**1,288**	**1,410**	**1,533**	**1,647**	**1,772**
Average annual percent change [1]	11.4	11.3	12.2	14.5	14.7	11.9	9.4	8.7	7.4	7.6
Hospital care	130	233	373	432	501	563	605	638	676	720
Physicians' services	67	111	173	199	230	257	282	308	335	369
Dentists' services	22	37	57	66	73	81	90	101	110	119
Other professional services [2]	7	12	20	24	29	33	38	45	50	56
Drugs and drug sundries	37	53	74	80	87	92	101	108	116	122
Eyeglasses and appliances [2]	9	14	20	22	22	24	26	28	30	33
Nursing home care	22	45	75	87	100	111	121	130	141	153
Other health services	10	17	22	25	28	31	34	39	44	48
Net cost of insurance and administration [2]	13	18	37	39	45	56	71	92	96	98
Government public health activities	7	14	25	31	36	39	41	45	50	54
Total, private consumer [3]	**202**	**317**	**506**	**576**	**660**	**742**	**818**	**898**	**953**	**1,030**
Hospital care	60	102	169	198	232	260	281	292	303	328
Physicians' services	53	82	126	145	167	187	202	221	237	260
Dentists' services	21	35	55	63	70	79	87	98	107	116
Other professional services [2]	6	9	15	18	21	24	27	31	35	40
Drugs and drug sundries	35	49	67	73	79	84	92	99	105	110
Eyeglasses and appliances [2]	9	13	18	19	20	21	21	23	24	26
Nursing home care	11	19	32	39	46	52	59	65	72	79
Net cost of insurance	7	9	22	22	25	36	48	68	69	71

[1] Change from prior year shown; for 1970 from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] See footnotes for corresponding objects in table 137. [3] Represents direct patient payments and private health insurance.

NO. 139. PERSONAL HEALTH CARE—THIRD PARTY PAYMENTS AND PRIVATE CONSUMER EXPENDITURES: 1970 TO 1986

[**In billions of dollars, except percent.** See headnote, table 140]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Personal health care expenditures	65.4	117.1	189.7	219.7	254.7	286.5	314.7	341.9	371.3	404.0
Third party payments, total	**38.9**	**79.0**	**133.8**	**156.7**	**182.1**	**206.9**	**226.0**	**243.5**	**266.0**	**287.9**
Percent of total health care	59.5	67.5	70.6	71.3	71.5	72.2	71.8	71.2	71.6	71.3
Private insurance payments	15.3	31.2	56.9	67.5	78.4	89.9	98.0	104.9	113.0	122.9
Government expenditures	22.4	46.3	74.6	86.5	100.5	113.5	124.1	134.3	148.3	160.0
Philanthropy and industry	1.1	1.6	2.3	2.7	3.2	3.5	4.0	4.3	4.6	5.0
Private consumer expenditures [1]	**41.8**	**69.3**	**112.7**	**130.5**	**151.0**	**169.5**	**186.7**	**203.3**	**218.3**	**239.0**
Percent met by private insurance	36.6	45.1	50.5	51.7	51.9	53.0	52.5	51.6	51.8	51.4
Hospital care	12.9	23.0	39.5	46.6	55.2	62.4	68.2	71.6	74.9	81.7
Percent met by private insurance	75.2	81.9	83.8	83.1	81.7	82.2	80.6	78.8	80.7	79.4
Physicians' services	11.3	18.4	29.5	34.2	39.7	44.8	48.9	54.1	58.5	64.8
Percent met by private insurance	42.5	53.7	57.9	58.4	57.4	59.4	60.5	61.4	60.6	59.6

[1] Includes expenditures not shown separately. Represents direct patient payments and private health insurance. Excludes net cost of insurance.

NO. 140. PERSONAL HEALTH CARE EXPENDITURES, BY OBJECT AND SOURCE OF PAYMENT: 1986

[**In millions of dollars, except as indicated.** Includes Puerto Rico and outlying areas. Covers all expenditures for health services and supplies, except net cost of insurance and administration, government public health activities, and expenditures of philanthropic agencies for fund raising activities]

SOURCE	TOTAL EXPENDITURES		Hospital care	Physicians' services	Dentists' services	Other professional services [2]	Drugs and drug sundries	Eyeglasses and appliances [2]	Nursing home care	Other health services
	Total	Per capita [1] (dol.)								
Total	**404,045**	**1,620**	**179,579**	**91,951**	**29,647**	**14,091**	**30,551**	**8,181**	**38,146**	**11,899**
Direct patient payments	116,128	466	16,818	26,169	19,084	6,249	22,868	5,496	19,446	-
Third party payments	287,917	1,154	162,761	65,782	10,563	7,842	7,683	2,685	18,701	11,899
Private health insurance	122,913	493	64,903	38,670	9,915	3,670	4,477	966	312	-
Government	159,985	641	95,693	27,061	648	4,047	3,207	1,719	18,114	9,497
Philanthropy	5,020	20	2,166	51	-	124	-	-	275	2,402
Private [3]	**244,061**	**978**	**83,886**	**64,890**	**28,999**	**10,044**	**27,344**	**6,462**	**20,033**	**2,402**

- Represents zero. [1] For basis of per capita figures, see headnote, table 138. [2] See footnotes for corresponding objects in table 137. [3] Covers direct patient payments, private health insurance, and philanthropy and industry.

Source of tables 138-140: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

NO. 141. GOVERNMENT EXPENDITURES FOR HEALTH SERVICES AND SUPPLIES: 1980 AND 1986

[**In millions of dollars, except percent.** Includes Puerto Rico and outlying areas. Excludes medical research and construction]

YEAR AND OBJECT OF EXPENDITURE	TOTAL [1]		FEDERAL		State and local	Medicare [2] (OASDHI)	Public assistance [3]	OTHER HEALTH SERVICES		
	Amount	Percent distribution	Total	Percent of total				Veterans	Defense Dept.[4]	Workers' compensation [5]
1980, total [1]	**97,506**	**100.0**	**65,782**	**67.4**	**31,744**	**38,014**	**28,127**	**5,939**	**4,207**	**5,151**
Hospital care	53,927	55.3	41,085	76.2	12,842	25,916	10,211	4,922	3,426	1,993
Physicians' services	12,614	12.9	9,644	76.5	2,970	7,906	2,597	59	121	1,658
Nursing home care	11,189	11.5	6,039	54.0	5,150	396	10,431	362	-	-
Drugs and sundries	1,614	1.7	804	49.8	810	-	1,489	13	14	78
Administration	3,754	3.9	2,024	53.9	1,730	1,118	1,266	49	32	1,225
Public health activities	7,294	7.5	1,266	17.4	6,028	-	-	-	-	-
1986, total [1]	**179,473**	**100.0**	**126,622**	**70.6**	**52,851**	**77,721**	**45,782**	(NA)		
Hospital care	95,693	50.4	76,507	80.0	19,186	51,702	15,822			
Physicians' services	27,061	14.3	22,050	81.5	5,012	18,968	3,948			
Nursing home care	18,114	9.5	10,140	56.0	7,973	613	15,803			
Drugs and sundries	3,207	1.7	1,712	53.4	1,495	-	2,858			
Administration	6,108	3.2	3,377	55.3	2,731	1,724	2,231			
Public health activities	13,380	7.1	1,399	10.5	11,981	-	-			

- Represents zero. NA Not available. [1] Includes other items not shown separately. [2] Covers hospital and medical insurance payments and administrative costs under old-age, survivors, disability and health insurance program. [3] Covers Medicaid and other medical public assistance. Includes funds paid into Medicare trust fund by States to cover premiums for public assistance recipients and medically indigent persons. [4] Includes care for retirees and military dependents. [5] Medical benefits.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

NO. 142. FEDERAL OUTLAYS FOR HEALTH, BY TYPE OF PROGRAM: 1970 TO 1988

[**For fiscal year ending in year shown;** see text, section 9]

TYPE OF PROGRAM	TOTAL OUTLAYS (mil. dol.)							OUTLAYS PER CAPITA [1]		
	1970	1980	1984	1985	1986	1987	1988, est.	1970	1980	1988, est.
Total outlays [2]	**13,913**	**61,754**	**96,819**	**108,911**	**115,973**	**125,354**	**134,163**	**$68**	**$273**	**$546**
Medicare [3]	6,213	32,090	57,540	65,822	70,164	75,120	78,857	31	142	321
Health care services [4]	3,993	18,003	24,522	26,984	28,850	32,616	36,309	20	79	148
Medicaid	2,727	14,028	20,061	22,655	24,995	27,435	30,664	13	62	125
Federal employee health benefits	17	608	1,342	1,221	638	1,799	1,835	(Z)	3	7
Hospital and medical care for veterans	1,800	6,515	8,861	9,547	9,872	10,266	10,826	9	29	44
Health research	1,054	3,442	4,379	4,908	5,393	5,599	5,477	5	15	26
National Institutes of Health	917	3,029	3,963	4,437	4,859	4,971	5,682	5	13	23
Other	137	413	416	471	534	628	795	1	2	3
Consumer safety	177	674	762	812	799	827	879	1	3	4
Education and training of health care work force	633	719	388	468	529	556	415	3	3	2
Research training	(NA)	(NA)	195	233	256	251	218	(NA)	(NA)	1
Clinical training	(NA)	(NA)	166	189	232	250	156	(NA)	(NA)	1
Other	(NA)	(NA)	28	46	41	56	41	(NA)	(NA)	(Z)
Occupational safety and health	49	328	367	370	366	370	398	(Z)	1	2

NA Not available. Z Less than 50 cents. [1] Based on Bureau of the Census estimated resident population as of July. [2] Includes deductions for offsetting receipts (−$6 million in 1970 and −$17 million in 1980). [3] Adjusted for premiums and collections. [4] Includes other programs, not shown separately.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

NO. 143. BENEFIT EXPENDITURES OF PRIVATE HEALTH INSURANCE ORGANIZATIONS: 1970 TO 1985

[**In millions of dollars.** For financial data on private health insurance organizations, see table 843]

TYPE OF PLAN	1970	1975	1980	1981	1982	1983	1984	1985			
								Total	Hospital care	Physicians' services	Dental care and other
Total	**15,320**	**31,223**	**67,504**	**78,400**	**89,929**	**97,990**	**104,863**	**113,000**	**60,463**	**35,470**	**17,067**
Blue Cross-Blue Shield	7,060	14,192	25,467	29,209	32,144	34,398	35,522	37,540	24,174	9,938	3,428
Insurance companies	7,104	12,826	25,774	30,271	36,424	40,109	41,298	43,112	22,310	14,340	6,462
Independent plans	1,156	4,206	16,264	18,920	21,360	23,483	28,043	32,348	13,979	11,192	7,177

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987, and unpublished data.

No. 144. INDEXES OF MEDICAL CARE PRICES: 1970 TO 1987

[1982-1984 = 100. Indexes are components of consumer price index; for explanation, see text, section 15. See *Historical Statistics, Colonial Times to 1970*, series B 262–272 for similar data]

YEAR	Index, total	MEDICAL CARE SERVICES						Medical care commodities [2]	ANNUAL PERCENT CHANGE					
		Total [1]	Professional services			Hospital room			Total [1]	Medical care services				Medical care commodities [2]
			Total [1]	Physicians	Dental					Total [1]	Physicians	Dental	Hospital room	
1970	34.0	32.3	37.0	34.5	39.2	23.6		46.5	[3] 6.6	[3] 7.0	[3] 7.5	[3] 5.7	[3] 12.9	[3] 2.4
1971	36.1	34.7	39.4	36.9	41.7	26.5		47.3	6.2	7.4	7.0	6.4	12.3	1.7
1972	37.3	35.9	40.8	38.0	43.4	28.2		47.4	3.3	3.5	3.0	4.1	6.4	.2
1973	38.8	37.5	42.2	39.3	44.8	29.6		47.5	4.0	4.5	3.4	3.2	5.0	.2
1974	42.4	41.4	45.8	42.9	48.2	32.7		49.2	9.3	10.4	9.2	7.6	10.5	3.6
1975	47.5	46.6	50.8	48.1	53.2	38.3		53.3	12.0	12.6	12.1	10.4	17.1	8.3
1976	52.0	51.3	55.5	53.5	56.5	43.6		56.5	9.5	10.1	11.2	6.2	13.8	6.0
1977	57.0	56.4	60.0	58.5	60.8	48.6		60.2	9.6	9.9	9.3	7.6	11.5	6.5
1978	61.8	61.2	64.5	63.4	65.1	54.0		64.4	8.4	8.5	8.4	7.1	11.1	7.0
1979	67.5	67.2	70.1	69.2	70.5	60.1		69.0	9.2	9.8	9.1	8.3	11.3	7.1
1980	74.9	74.8	77.9	76.5	78.9	68.0		75.4	11.0	11.3	10.5	11.9	13.1	9.3
1981	82.9	82.8	85.9	84.9	86.5	78.1		83.7	10.7	10.7	11.0	9.6	14.9	11.0
1982	92.5	92.6	93.2	92.9	93.1	90.4		92.3	11.6	11.8	9.4	7.6	15.7	10.3
1983	100.6	100.7	99.8	100.1	99.4	100.6		100.2	8.8	8.7	7.8	6.8	11.3	8.6
1984	106.8	106.7	107.0	107.0	107.5	109.0		107.5	6.2	8.0	6.9	8.1	8.3	7.3
1985	113.5	113.2	113.5	113.3	114.2	115.4		115.2	6.3	6.1	5.9	6.2	5.9	7.2
1986	122.0	121.9	120.8	121.5	120.6	122.3		122.8	7.5	7.7	7.2	5.6	6.0	6.6
1987	130.1	130.0	128.8	130.4	128.8	131.1		131.0	6.6	6.6	7.3	6.8	7.2	6.7

[1] Includes other services, not shown separately. [2] Prior to 1978, covers drugs and prescriptions only. [3] Change from 1969.

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report*, January 1988, and unpublished data.

No. 145. AVERAGE ANNUAL EXPENDITURES OF CONSUMER UNITS FOR HEALTH CARE: 1980 TO 1986

[In dollars, except percent. See text, section 14, and headnote, table 708. For average weekly expenditures for nonprescription drugs, see table 709]

ITEM	HEALTH CARE, TOTAL		Health insurance	Medical services	Prescription drugs, medical supplies	PERCENT DISTRIBUTION			
	Amount	Percent of total expenditures				Health care, total	Health insurance	Medical services	Prescription drugs, medical supplies
URBAN CONSUMER UNITS									
1980	$730	4.4	$216	$401	$113	100.0	29.6	54.9	15.5
1981	762	4.3	222	413	127	100.0	29.1	54.2	16.7
1982	833	4.6	261	438	134	100.0	31.4	52.6	16.1
1983	899	4.6	295	456	148	100.0	32.8	50.7	16.5
1984	965	4.5	353	461	152	100.0	36.6	47.8	15.8
1985	1,011	4.4	357	493	161	100.0	35.3	48.8	15.9
1986	1,045	4.5	358	508	180	100.0	34.3	48.6	17.2
ALL CONSUMER UNITS									
1984	981	4.7	370	454	157	100.0	37.7	46.3	16.0
1985	1,037	4.7	375	496	166	100.0	36.2	47.8	16.0
1986	1,062	4.7	371	502	189	100.0	34.9	47.3	17.8
Age of reference person:									
Under 25 years old	336	2.4	108	174	54	100.0	32.1	51.8	16.1
25-34 years old	686	3.0	231	367	89	100.0	33.7	53.5	13.0
35-44 years old	1,005	3.4	313	546	146	100.0	31.1	54.3	14.5
45-54 years old	1,172	3.8	395	545	232	100.0	33.7	46.5	19.8
55-64 years old	1,303	5.5	446	598	260	100.0	34.2	45.9	20.0
65-74 years old	1,537	9.1	631	594	312	100.0	41.1	38.6	20.3
75 years old and over	1,761	15.0	653	765	343	100.0	37.1	43.4	19.5
Region of residence:									
Northeast	1,070	4.5	305	589	176	100.0	28.5	55.0	16.4
Midwest	996	4.7	393	413	190	100.0	39.5	41.5	19.1
South	1,114	5.2	401	499	214	100.0	36.0	44.8	19.2
West	1,046	4.2	365	525	157	100.0	34.9	50.2	15.0
Size of consumer unit:									
One person	716	5.4	238	350	129	100.0	33.2	48.9	18.0
Two persons	1,240	5.3	479	518	243	100.0	38.6	41.8	19.6
Three persons	1,128	4.3	375	557	195	100.0	33.2	49.3	17.3
Four persons	1,199	3.9	398	621	180	100.0	33.2	51.8	15.0
Five persons	1,230	4.2	399	635	195	100.0	32.4	51.6	15.9
Six persons or more	1,152	4.0	378	573	200	100.0	32.8	49.7	17.4
Income before taxes:									
Complete income reporters [1]	1,071	4.6	375	505	191	100.0	35.0	47.2	17.8
Quintiles of income:									
Lowest 20 percent	710	6.3	267	300	143	100.0	37.6	42.3	20.1
Second 20 percent	925	6.7	375	344	206	100.0	40.5	37.2	22.3
Third 20 percent	1,129	5.7	398	553	178	100.0	35.3	49.0	15.8
Fourth 20 percent	1,116	4.2	398	526	192	100.0	35.7	47.1	17.2
Highest 20 percent	1,471	3.4	435	800	236	100.0	29.6	54.4	16.0
Incomplete reporters of income	980	5.1	344	470	166	100.0	35.1	48.0	16.9

[1] A complete reporter is a consumer unit providing values for at least one of the major sources of income.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: Interview Survey*, annual.

NO. 146. HEALTH INSURANCE COVERAGE STATUS, BY SELECTED CHARACTERISTICS: 1985

[Data represents monthly averages for **fourth quarter 1985.** Government health insurance includes Medicare, Medicaid, a military plans. Based on Survey of Income and Program Participation; see text, p. 419. For composition of regions see fig inside front cover]

CHARACTERISTIC	NUMBER (mil.)						PERCENT				
	Total	Covered by private or Government health insurance				Not covered by health insurance	Total	Covered by private or Government health insurance			Not covered by health insurance
		Total [1]	Covered by private insurance		Covered by Medicaid			Total [1]	Private	Covered by Medicaid	
			Total	Related to employment [2]							
Total persons [3]	**235.5**	**204.2**	**180.1**	**147.1**	**17.2**	**31.3**	**100.0**	**86.7**	**76.5**	**7.3**	**13.**
Male	114.2	97.5	87.5	73.2	6.4	16.7	100.0	85.4	76.6	5.6	14.
Female	121.4	106.8	92.6	73.8	10.8	14.6	100.0	88.0	76.3	8.9	12.
White	200.1	175.2	159.3	129.9	10.1	24.8	100.0	87.6	79.6	5.0	12.4
Black	28.5	23.0	15.9	13.2	6.2	5.5	100.0	80.7	55.7	21.6	19.
Hispanic origin [4]	14.2	10.4	7.8	7.0	2.3	3.8	100.0	73.0	55.2	15.9	27.
Under 16 years	55.6	47.0	39.3	34.6	7.2	8.6	100.0	84.5	70.8	13.0	15.5
16–24 years	34.6	27.2	24.4	19.0	2.6	7.4	100.0	78.6	70.7	7.5	21.4
25–34 years	41.4	34.6	32.1	29.1	2.2	6.8	100.0	83.6	77.5	5.4	16.4
35–44 years	32.1	28.6	26.8	24.4	1.3	3.5	100.0	89.1	83.4	4.1	10.
45–54 years	22.5	20.2	18.9	16.6	.9	2.3	100.0	89.9	84.2	3.9	10.1
55–64 years	22.1	19.6	18.0	14.6	.8	2.6	100.0	88.5	81.3	3.7	11.
65 years and over	27.2	27.1	20.5	8.7	2.1	.2	100.0	99.4	75.3	7.7	.
Northeast	50.7	46.1	41.3	34.3	3.8	4.6	100.0	90.9	81.4	7.5	9.
Midwest	60.8	54.2	48.5	39.1	4.7	6.6	100.0	89.2	79.8	7.7	10.
South	79.8	66.9	58.5	47.7	5.0	12.9	100.0	83.8	73.3	6.3	16.
West	44.2	37.0	31.8	25.9	3.7	7.2	100.0	83.7	71.9	8.3	16.

[1] Includes other Government insurance, not shown separately. [2] Related to current or prior employment of self or other fami members. [3] Includes other races, not shown separately. [4] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 8 and unpublished data.

NO. 147. PRIVATE HEALTH INSURANCE—PERSONS COVERED FOR SPECIFIED BENEFITS: 1960 TO 198

[**In millions, except percent.** As of **December 31.** Beginning 1975, includes Puerto Rico and outlying areas. For persons cover under Federal Government programs, see tables 146, 574, and 598. See also *Historical Statistics, Colonial Times to 1970,* seri B 401–412, for persons covered]

BENEFIT AND TYPE OF PLAN	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	198
Hospital expense:											
Persons covered, net [1]	122.5	138.7	158.8	178.2	189.0	188.3	191.1	189.9	184.4	181.3	179.
Percent of population covered [2]	68.8	72.4	78.7	82.1	82.5	81.3	81.7	80.4	77.4	75.4	76.
Blue Cross-Blue Shield plans	58.1	63.3	75.1	86.4	86.7	[3] 85.8	[3] 82.0	[3] 79.6	[3] 79.4	[3] 78.7	[3] 78.
Insurance companies, net [1] [4]	69.2	77.6	89.7	99.5	107.3	108.4	112.7	109.6	103.1	100.4	92
Group policies [4]	54.4	65.4	80.5	87.2	99.1	105.4	107.0	108.3	102.9	99.5	95
Individual and family policies	22.2	24.4	26.7	30.1	34.1	25.6	29.9	22.7	20.4	21.2	11
Other plans [5]	6.0	7.0	8.1	13.1	[3] 33.2	[3] 40.3	[3] 48.2	[3] 53.6	[3] 54.1	[3] 55.1	[3] 55
Surgical expense:											
Persons covered, net [1]	111.5	130.5	151.4	169.0	178.2	176.9	180.3	179.1	(NA)	(NA)	
Percent of population covered [2]	62.6	68.1	75.0	77.9	77.8	76.4	77.1	75.8	(NA)	(NA)	
Blue Cross-Blue Shield plans	50.3	53.9	66.0	77.8	73.6	[3] 71.8	[3] 68.6	[3] 66.1	(NA)	(NA)	
Insurance companies, net [1] [4]	65.1	75.2	85.7	92.1	101.0	102.0	105.6	102.3	(NA)	(NA)	
Group policies [4]	55.5	65.5	81.5	88.0	100.6	105.5	108.0	104.9	(NA)	(NA)	
Individual and family policies	16.0	17.7	18.0	18.5	17.6	12.4	14.5	13.6	(NA)	(NA)	
Other plans [5]	7.3	8.7	10.5	15.8	[3] 36.9	[3] 44.8	[3] 52.7	[3] 61.8	(NA)	(NA)	
Major medical expense: [6]											
Persons covered, net [1]	32.6	[illegible]	103.5	134.1	153.6	153.7	160.1	159.6	167.7	162.8	15
Blue Cross-Blue Shield plans	3.7	14.6	24.9	42.1	45.0	46.5	[3] 47.0	[3] 44.6	[3] 44.5	[3] 44.1	[3] 3
Insurance companies, net [1] [4]	25.4	53.0	77.1	92.2	105.4	104.9	108.7	108.9	115.4	110.2	10
Group policies [4]	26.5	55.4	82.0	96.7	113.0	113.2	116.2	117.6	125.5	119.6	11
Individual and family policies	1.6	4.5	5.4	7.3	7.3	6.5	8.0	6.5	5.6	5.9	4
Other plans [5]	(NA)	(NA)	(NA)	(NA)	[3] 27.7	[3] 33.7	[3] 42.6	[3] 42.8	[3] 47.0	[3] 47.9	[3] 4
Physician's expense:											
Persons covered, net [1]	83.2	109.6	138.7	168.3	169.5	164.1	171.6	173.1	(NA)	(NA)	
Percent of population covered [2]	46.7	57.2	68.7	77.6	74.0	70.8	73.4	73.3	(NA)	(NA)	
Dental expense:											
Persons covered, net [1]	(NA)	(NA)	12.0	30.3	80.5	84.8	95.3	103.7	102.2	99.8	8
Percent of population covered [2]	(NA)	(NA)	5.9	14.0	35.1	36.6	40.8	43.9	42.9	41.5	4

NA Not available. [1] Duplication among persons protected by more than one kind of insuring organization or more than o insurance company policy providing the same type of coverage has been eliminated. [2] Based on Bureau of the Cens estimated civilian population as of July. [3] Estimated. [4] Includes persons covered under administrative service only a minimum premium plans. [5] Includes self-insured plans, self-administered plans, plans employing third party administrators, a Health Maintenance Organizations. [6] Coverage provides protection against especially heavy medical bills resulting fr "catastrophic" or prolonged illness and is used to supplement basic medical care insurance or as a comprehensive integra program providing both basic and major medical protection, including charges for private duty nursing, drugs, and med appliances. Beginning 1983, covers only persons under age 65.

Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data*, annual.

No. 148. HEALTH MAINTENANCE ORGANIZATIONS (HMO)—NUMBER AND ENROLLMENT, BY TYPE AND SIZE OF ORGANIZATION: 1976 TO 1987

[As of **June 30**, except as noted. Under the Health Maintenance Organization Act, an HMO must have four characteristics: (1) an organized system for providing health care in a geographic area, for which the HMO is responsible for providing or otherwise assuring its delivery; (2) an agreed upon set of basic and supplemental health maintenance and treatment services; (3) a voluntarily enrolled group of people; and (4) community rating. A **group HMO** contracts with one or more medical groups to provide services to members and generally provides all services except hospital care under one roof. Data for group model HMOs include staff model HMOs (a model in which the HMO hires its own physicians) and network HMOs (an HMO that provides comprehensive health services to members in two or more distinct geographic areas. **Individual practice association (IPA) HMO** contracts with a physician organization that in turn contracts with individual physicians. IPA physicians provide care to HMO members from their private offices and continue to see their fee-for-service patients]

TYPE OF PRACTICE AND SIZE	1976	1977	1978	1979	1980	1981	1982	1983	1984 (Dec.)	1985	1986	1987
NUMBER OF PLANS												
Total	**175**	**165**	**203**	**215**	**236**	**243**	**265**	**280**	**337**	**393**	**595**	**662**
Group	134	125	133	136	139	153	168	181	195	212	250	245
I.P.A	41	40	70	79	97	90	97	99	142	181	345	417
Less than 15,000 members	128	108	127	135	144	131	122	137	143	171	315	325
15,000–24,999 members	15	18	37	34	36	41	46	42	45	56	63	86
25,000–49,999 members	12	13	16	25	28	39	46	61	78	79	107	100
50,000–99,999 members	7	4	5	7	15	15	13	19	40	51	67	89
100,000 members or more	10	11	12	14	13	17	18	21	31	36	47	62
ENROLLMENT (1,000)												
Total	**6,016**	**6,331**	**7,471**	**8,226**	**9,100**	**10,266**	**10,831**	**12,491**	**16,743**	**18,894**	**23,664**	**28,587**
Group	5,627	5,917	6,420	6,942	7,406	8,681	9,361	10,602	13,075	14,247	15,210	17,261
I.P.A	390	413	1,051	1,284	1,694	1,582	1,471	1,889	3,667	4,646	8,454	11,326
Less than 15,000 members	620	590	703	733	870	836	839	874	975	1,020	1,514	1,797
15,000–24,999 members	297	365	725	683	732	799	919	842	867	1,101	1,220	1,681
25,000–49,999 members	365	415	546	827	907	1,305	1,561	2,062	2,699	2,813	3,791	3,564
50,000–99,999 members	525	308	399	430	976	1,036	852	1,257	2,577	3,315	4,828	6,343
100,000 members or more	4,210	4,495	5,095	5,553	5,615	6,289	6,660	7,455	9,625	10,646	12,311	15,202

Source: Group Health Association of America, Inc., Washington, DC, releases, and Interstudy, Excelsior, MN, *The Interstudy Edge*, Fall 1987 and earlier publications (copyright).

No. 149. PHYSICIANS, DENTISTS, AND NURSES: 1960 TO 1986

[Physicians, dentists, and nurses as of **end of year.** Data for physicians include Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series B 275–290]

ITEM	Unit	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
Physicians, number [1]	1,000	**275**	**348**	**409**	**487**	**505**	**523**	**542**	(NA)	**577**	**594**
Rate per 100,000 population [2]	Rate	151	168	187	211	217	222	228	(NA)	237	246
Doctors of medicine [3]	1,000	260	334	394	468	485	502	520	(NA)	553	569
Active non-Federal [4]	1,000	230	281	312	397	411	430	447	(NA)	476	484
Rate per 100,000 population [4] [5]	Rate	128	137	143	172	177	184	190	(NA)	201	202
Active foreign medical school graduates [4] [6]	1,000	(NA)	54	(NA)	82	90	96	100	(NA)	105	107
Doctors of osteopathy	1,000	14	14	15	19	20	21	22	23	24	25
Medical and osteopathic schools [7]	Number	91	107	123	140	142	142	142	142	142	142
Students [7]	1,000	32.0	39.7	57.2	70.1	71.6	72.6	73.5	73.6	73.2	72.8
Graduates [7]	1,000	7.5	8.8	13.4	16.2	16.8	17.0	17.1	17.6	17.8	17.7
Newly licensed physicians, total [6] [8]	1,000	8.0	11.0	16.9	18.2	18.8	17.6	20.6	18.3	18.3	19.6
Percent of total active M.D.'s [9]	Percent	(NA)	3.5	4.6	4.2	4.2	4.1	4.3	(NA)	3.8	3.8
Graduates of—											
U.S. and Canadian medical schools	1,000	6.6	8.0	10.9	14.9	15.7	13.4	15.8	14.2	15.3	16.7
Foreign medical schools	1,000	1.4	3.0	6.0	3.3	3.1	4.2	4.8	4.1	3.0	2.9
Percent of total newly licensed	Percent	17.7	27.3	35.4	18.2	16.6	23.8	23.1	22.3	16.7	15.0
Dentists, number	1,000	**105**	**116**	**127**	**141**	**144**	**147**	**150**	**153**	**156**	**158**
Active (exc. in Federal service)	1,000	85	96	107	121	124	127	130	133	136	138
Rate per 100,000 population [5]	Rate	47	47	50	54	54	55	56	57	57	57
Dental schools [10]	Number	47	53	59	60	60	60	60	60	60	60
Students [10]	1,000	13.6	16.0	20.1	22.5	22.8	22.2	21.4	20.6	19.6	18.7
Graduates [10]	1,000	3.3	3.7	5.0	5.3	5.6	5.4	5.8	5.3	5.4	5.0
Nurses, number (active registered)	1,000	**527**	**750**	**961**	**1,273**	**1,327**	**1,380**	**1,439**	**1,486**	**1,544**	**1,593**
Rate per 100,000 population [2]	Rate	293	368	446	560	578	595	615	629	647	661
Nursing programs [11]	Number	1,128	1,340	1,362	1,385	1,401	1,432	1,466	1,477	1,473	1,469
Students [11]	1,000	118	163	248	231	235	242	251	237	218	194
Graduates [11]	1,000	30	46	77	76	74	74	77	80	82	77

NA Not available. [1] Includes not classified, inactive, and Federal physicians. [2] Based on Bureau of the Census resident population estimates as of July 1. [3] Excludes non-Federal physicians with temporary foreign addresses; see headnote, table 150. [4] Excludes nonclassified physicians. [5] Based on Bureau of the Census civilian population estimates as of July 1. [6] Foreign medical graduates exclude graduates of Canadian schools. [7] Based on data from annual surveys conducted by the Association of American Medical Colleges and the American Association of Colleges of Osteopathic Medicine. [8] Source: American Medical Association, Chicago, IL, *U.S. Medical Licensure Statistics, 1984 and License Requirements, 1985*, and *Physician Characteristics and Distribution in the U.S.*, annual. (Copyright.) [9] Excludes M.D.'s with unknown addresses. Includes those not classified. [10] Based on data from the American Dental Association, Council on Dental Education, *Annual Report on Dental Education*. [11] Number of programs and students are as of October 15 and number of graduates are for academic year ending in year shown; from National League for Nursing, *NLN Data Book*, annual issues.

Source: Except as noted, U.S. Dept. of Health and Human Services, Health Resources and Services Administration, unpublished data. Prior to 1980, data were published by U.S. National Center for Health Statistics in *Health Resources Statistics*, annual.

NO. 150. PHYSICIANS, BY TYPE OF PRACTICE: 1970 TO 1986

[As of **December 31**. Includes Puerto Rico and outlying areas. Excludes 4,148 non-Federal physicians with temporary foreign addresses in 1970, 5,559 in 1975, 6,755 in 1980, 6,259 in 1981, 174 in 1982, 7,039 in 1983, 7,514 in 1985 and 8,072 in 1986]

TYPE OF PRACTICE	NUMBER (1,000)								PERCENT DISTRIBUTION			
	1970	1975	1980	1981	1982	1983	1985	1986	1970	1975	1980	1985
All physicians	**348.3**	**409.0**	**486.5**	**504.7**	**522.5**	**541.1**	**576.7**	**594.7**	100	100	100	100
Doctors of medicine [1]	**334.0**	**393.7**	**467.7**	**485.1**	**502.0**	**519.5**	**552.7**	**569.2**	**96**	**96**	**96**	**96**
Active M.D.'s [2]	311.2	366.4	435.5	444.9	462.9	479.4	511.0	519.4	89	90	90	89
Non-Federal [3]	301.3	359.7	443.5	460.1	479.2	496.9	528.2	544.3	87	88	91	92
Patient care	255.0	287.8	361.9	373.6	393.3	408.1	431.5	444.7	73	70	74	75
Office based [4]	188.9	213.3	271.2	286.5	297.5	308.3	329.0	325.8	54	52	56	57
General practice [5]	50.8	46.3	47.7	49.4	50.4	51.4	53.9	53.6	12	11	10	9
Specialty	138.1	167.0	223.5	237.1	247.1	257.0	275.2	272.1	40	41	46	48
Training programs	45.8	53.5	59.6	60.5	66.7	70.6	72.2	[6] 85.4	13	13	12	13
Full-time hospital staff	20.3	21.0	31.0	26.6	29.1	29.2	30.3	33.5	6	5	6	5
Other professional activity	26.3	24.3	35.2	37.3	36.6	39.3	44.0	39.1	8	6	7	8
Retired, not in practice	19.6	21.4	25.7	35.0	35.7	36.9	38.6	46.8	6	5	5	7
Federal	29.5	28.2	17.8	19.8	19.5	19.4	21.6	21.9	8	7	4	4
Patient care [7]	23.5	24.1	14.6	15.7	15.4	15.3	17.3	17.4	7	6	3	3
Full-time hospital staff	14.6	17.7	11.4	11.4	11.4	11.1	12.9	12.9	4	4	2	2
Other professional activity	6.0	4.1	3.2	4.1	4.1	4.0	4.3	4.5	2	1	1	1
Doctors of osteopathy [8]	**14.3**	**15.4**	**18.8**	**19.6**	**20.5**	**21.6**	**24.0**	**25.5**	4	4	4	4

[1] Includes physicians with unknown addresses and those not classified, not shown separately. [2] Excludes physicians of unknown addresses. [3] Includes physicians inactive and not classified. Excludes unknown addresses. [4] Covers all physicians rendering patient care (or patient services by pathologists) in solo, partnership, group practice, or other arrangement and those in industry, insurance companies, health depts., laboratories, etc. [5] Includes family practice. [6] Includes 7,828 clinical fellows. [7] Includes Federal physicians in office-based practice and training programs. [8] Source: American Osteopathic Association, Chicago, IL.

Source: Except as noted, 1970 and 1975, U.S. National Center for Health Statistics, *Health Resources Statistics*, annual; American Medical Association, Chicago, IL, thereafter, *Physician Characteristics and Distribution in the U.S.*, annual (copyright).

NO. 151. NON-FEDERAL PHYSICIANS, 1980 AND 1986, AND DENTISTS, 1986—STATES

[As of **Dec. 31**. Excludes doctors of osteopathy, Federal physicians and dentists, and physicians with addresses unknown. Includes all physicians not classified according to activity status. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	ACTIVE PHYSICIANS				ACTIVE DENTISTS,[2] 1986	
	Total		Rate [1]			
	1980	1986	1980	1986	Total	Rate [1]
U.S	413,692	491,503	184	205	137,900	57
Region:						
Northeast	112,382	132,083	229	265	34,330	69
Midwest	94,444	107,317	161	181	35,610	60
South	119,770	148,651	114	181	38,330	47
West	87,096	103,452	204	215	29,630	61
N. Eng	**29,539**	**34,873**	**240**	**275**	**8,800**	**69**
ME	1,680	1,976	151	170	580	50
NH	1,490	1,870	162	183	550	54
VT	1,087	1,294	213	239	340	63
MA	15,564	18,390	272	316	4,390	75
RI	1,988	2,285	211	236	510	52
CT	7,730	9,058	250	285	2,430	76
Mid. Atl	**82,843**	**97,210**	**226**	**261**	**25,530**	**68**
NY	46,808	53,606	267	302	13,130	74
NJ	13,937	17,391	190	229	5,200	68
PA	22,098	26,213	188	221	7,200	60
E. No. Cent	**67,453**	**76,621**	**162**	**184**	**24,980**	**60**
OH	17,458	20,145	162	188	6,060	56
IN	7,022	8,045	128	146	2,670	48
IL	20,885	23,772	183	206	7,040	61
MI	14,626	16,188	158	177	5,860	64
WI	7,462	8,471	159	177	3,350	70
W. No. Cent	**26,991**	**30,696**	**158**	**175**	**10,630**	**61**
MN	7,718	8,717	189	207	2,980	70
IA	3,657	4,026	126	141	1,720	60
MO	7,979	9,381	163	186	2,780	55
ND	884	1,051	138	157	370	55
SD	766	907	112	129	380	54
NE	2,319	2,573	149	162	1,130	71
KS	3,668	4,041	157	166	1,270	52

DIVISION AND STATE	ACTIVE PHYSICIANS				ACTIVE DENTISTS,[2] 1986
	Total		Rate [1]		
	1980	1986	1980	1986	Total
So. Atl	**65,607**	**81,942**	**180**	**203**	**19,530**
DE	949	1,180	161	188	290
MD	11,210	13,979	269	317	2,980
DC	3,474	3,582	551	579	570
VA	9,154	11,331	176	202	3,020
WV	2,610	3,117	134	163	900
NC	8,874	10,755	153	173	2,660
SC	4,129	5,052	135	153	1,420
GA	7,728	9,863	143	164	2,620
FL	17,479	23,083	181	199	5,070
E. So. Cent	**19,509**	**23,506**	**134**	**158**	**7,190**
KY	4,820	5,754	133	156	2,010
TN	7,169	8,673	157	181	2,630
AL	4,856	5,903	125	147	1,630
MS	2,664	3,176	107	122	920
W. So. Cent	**34,654**	**43,203**	**147**	**162**	**11,610**
AR	2,772	3,342	122	141	940
LA	6,501	7,999	156	179	1,940
OK	3,850	4,631	129	142	1,490
TX	21,531	27,231	153	165	7,240
Mt	**18,497**	**22,378**	**164**	**173**	**7,140**
MT	1,040	1,173	133	144	530
ID	1,007	1,185	107	119	550
WY	530	640	114	127	280
CO	5,664	6,404	199	199	2,100
NM	1,972	2,428	153	166	700
AZ	4,814	6,125	179	186	1,440
UT	2,373	2,904	163	175	1,110
NV	1,097	1,519	130	159	430
Pac	**68,599**	**81,074**	**218**	**230**	**22,490**
WA	7,381	8,915	181	202	3,080
OR	4,760	5,177	181	192	2,020
CA	54,082	64,066	231	240	16,440
AK	491	695	130	137	290
HI	1,885	2,221	208	221	660

[1] Per 100,000 civilian population. Based on U.S. Bureau of the Census estimates as of April 1 for 1980, and as of July 1 for 1986. [2] Source: Based on data supplied by American Dental Association, Bureau of Behavioral and Economic Research.

Source: Except as noted, American Medical Association, Chicago, IL, *Physician Characteristics and Distribution in the U.S.*, annual (copyright); and U.S. Dept. of Health and Human Services, Health Resources and Services Administration, unpublished data.

No. 152. Physicians, by Sex, Specialty, and Major Professional Activity: 1970 to 1986

[In thousands, except percent. As of December 31. Includes Puerto Rico and outlying areas]

SPECIALTY	1970		1975, total	1980, total	1985, total	1986						
						Total		Patient care				Other professional [2]
										Hospital-based		
	Total	Percent				Number	Percent	Total	Office-based	Full-time	Residents [1]	
Total [3]	[4] 334.0	100.0	[4] 393.7	[4] 467.7	[4] 552.7	[4] 569.2	100.0	462.1	327.0	46.4	88.7	43.6
Male	(NA)	(NA)	[4] 358.1	[4] 413.4	[4] 472.0	[4] 482.5	84.8	391.8	289.4	37.6	64.8	37.2
Female	(NA)	(NA)	[4] 35.6	[4] 54.3	[4] 80.7	[4] 86.7	15.2	70.3	37.6	8.8	23.9	6.5
General practice	57.9	17.3	54.6	60.0	67.1	67.7	11.9	65.6	54.1	4.0	7.5	2.1
Internal medicine	41.9	12.5	54.3	71.5	90.4	91.3	16.0	81.2	52.5	6.9	21.8	10.2
Pediatrics	17.9	5.4	21.7	28.3	35.6	36.5	6.4	33.1	22.6	3.2	7.3	3.4
General surgery	29.8	8.9	31.6	34.0	38.2	37.2	6.5	35.6	23.6	2.7	9.3	1.6
Obstetrics, gynecology	18.9	5.7	21.7	26.3	30.9	31.4	5.5	30.2	23.6	1.7	4.9	1.1
Orthopedic surgery	9.6	2.9	11.4	14.0	17.2	17.7	3.1	17.2	13.1	1.0	3.2	.4
Ophthalmology	9.9	3.0	11.1	13.0	14.9	15.2	2.7	14.7	12.1	.6	2.0	.5
Psychiatry	21.1	6.3	23.9	27.5	32.3	32.7	5.7	29.4	18.3	5.8	5.3	3.3
Anesthesiology	10.1	3.0	12.9	16.0	22.0	23.1	4.1	22.1	15.3	2.6	4.2	1.1
Pathology	10.3	3.1	11.7	13.4	15.5	15.5	2.7	12.4	6.6	3.2	2.7	3.1
Radiology	10.5	3.1	11.5	11.7	10.1	8.3	1.5	7.8	6.1	1.3	.3	.6

NA Not available. [1] Includes interns and, beginning 1986, clinical fellows (10,761). [2] Medical teaching, administration, research, and other. [3] Includes other specialties not shown separately. [4] Includes physicians who are inactive, not classified, or with address unknown.

Source: American Medical Association, Chicago, IL, *Distribution of Physicians in the United States, 1970, Physician Distribution and Medical Licensure in the U.S., 1975*; and, beginning 1980, *Physician Characteristics and Distribution in the U.S.*, annual (copyright).

No. 153. Physician and Dental Visits by Patient Characteristics: 1970 to 1986

[See headnote, table 175. Based on National Health Interview Survey; see Appendix III]

TYPE OF VISIT AND YEAR	TOTAL VISITS (mil.)				VISITS PER PERSON									
	Sex		Race [1]		Sex		Race [1]		Age (years)					
	Male	Female	White	Black	Male	Female	White	Black	Under 6	6 to 16	17 to 24	25 to 44	45 to 64	65 and over
Physicians: 1970	396	531	832	87	4.1	5.1	4.8	3.9	5.9	2.9	4.6	4.6	5.2	6.3
1975	435	621	929	116	4.3	5.7	5.1	4.7	6.5	3.2	4.8	5.1	5.6	6.6
1980	426	610	903	115	4.0	5.4	4.8	4.5	6.7	3.2	4.0	4.6	5.1	6.4
1983	470	694	1,018	126	4.3	5.8	5.2	4.6	6.5	3.2	4.0	4.7	5.8	7.6
1985	498	733	1,074	132	4.4	6.1	5.4	4.7	6.3	3.1	4.2	4.9	6.1	8.3
1986	515	756	1,110	131	4.5	6.2	5.5	4.6	[2] 6.3	[3] 3.3	[4] 4.2	4.7	6.6	9.1
Dentists: 1970	133	171	283	17	1.4	1.7	1.6	.8	.5	1.9	1.8	1.7	1.5	1.1
1975	153	188	313	23	1.5	1.7	1.7	1.0	.6	2.0	1.8	1.7	1.8	1.2
1980	156	207	333	26	1.5	1.8	1.8	1.0	.5	2.3	1.6	1.7	1.8	1.4
1983	183	239	382	31	1.6	2.0	1.9	1.1	.5	2.6	1.6	1.9	2.0	1.5
1986	210	256	416	37	1.9	2.2	2.1	1.4	[2] .7	[3] 2.4	[4] 1.7	2.0	2.2	2.1

[1] See footnote 2, table 175. [2] Under 5. [3] 5 to 17. [4] 18 to 24.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

No. 154. Diagnostic Services Ordered or Provided During Office Visits, by Sex of Patient: 1985

[For 12 months ending February 1986. Based on the National Ambulatory Medical Care Survey and subject to sampling variability; see source for details]

DIAGNOSTIC SERVICE	Number of visits (1,000)	PERCENT BY SEX OF PATIENT			DIAGNOSTIC SERVICE	Number of visits (1,000)	PERCENT BY SEX OF PATIENT		
		Total	Male	Female			Total	Male	Female
All visits	**636,386**	**100.0**	**100.0**	**100.0**	Pap test	28,549	4.5	(x)	7.4
None	229,970	36.1	42.0	32.4	Other lab test	53,514	8.4	7.7	8.9
Breast exam	43,170	6.8	.3	11.0	Blood pressure check	245,886	38.6	31.9	43.0
Pelvic exam	54,854	8.6	(x)	14.2	Electrocardiogram	20,288	3.2	4.1	2.6
Rectal exam	34,191	5.4	4.8	5.7	Chest Xray	17,549	2.8	3.3	2.4
Visual acuity	40,945	6.4	6.9	6.1	Other radiology	37,806	5.9	6.3	5.7
Urinalysis	88,009	13.8	10.4	16.0	Ultrasound	5,996	.9	.5	1.2
Hematology	58,983	9.3	8.0	10.1	Glucose test	84,249	13.2	9.5	15.7
Blood chemistry	43,913	6.9	7.3	6.7	Other	67,778	10.7	10.3	10.9

X Not applicable.

Source: U.S. National Center for Health Statistics, *1985 Summary: National Ambulatory Medical Care Survey. Advance Data from Vital and Health Statistics*, No. 128, January 1987.

No. 155. Physicians' Median Earnings from Practice: 1975 to 1986

[**In thousands of dollars.** *Unincorporated:* Net earnings from practice represent residual after payment of tax-deductible professional expenses but before payment of income taxes. Covers office-based, patient-care doctors of medicine (M.D.'s). *Incorporated:* Applies to office-based, patient-care M.D.'s who are shareholders of a medical corporation. Earnings include salary, bonuses (if any), and funds set aside by corporation for individual's retirement. Based on random sampling of office-based M.D.'s. 1986 data are based on 7,567 returned questionnaires from M.D.'s (31.5 percent of those mailed in 1987). For definition of median, see Guide to Tabular Presentation. For composition of divisions, see fig. I, inside front cover. See *Historical Statistics, Colonial Times to 1970,* series D 918 for physicians]

YEAR, REGION, AND DIVISION	Gross earnings	NET EARNINGS			LOCATION OF M.D.'S OFFICE, YEARS IN PRACTICE, AND TYPE OF PRACTICE	Gross earnings	Net earnings
		Total	Incorporated	Unincorporated			
1975	(NA)	58.4	76.3	47.5	**1986**—Con.		
1980	132.2	83.7	95.1	63.8	Urban	204.3	118.4
1984	181.3	102.0	119.0	78.8	Suburban	203.0	115.2
1985	182.3	102.5	120.1	79.0	Rural	184.7	96.6
1986	**200.3**	**112.8**	**127.8**	**80.4**	1–2 years	121.4	85.6
Northeast	186.1	106.7	130.4	77.5	3–5 years	172.0	103.0
New England	181.0	106.3	(B)	(B)	6–10 years	234.1	124.8
Middle Atlantic	188.9	107.0	131.0	80.9	11–20 years	226.7	128.1
Midwest	195.2	110.6	121.9	87.5	21–30 years	201.8	112.1
East North Central	195.6	112.7	125.4	(B)	31 years or more	146.5	82.3
West North Central	194.0	105.5	117.0	(B)	Incorporated: Solo	239.5	119.1
South	199.2	119.5	132.6	78.7	2 shareholders	224.2	127.5
South Atlantic	196.2	118.9	130.8	75.6	3 shareholders	257.1	143.8
East South Central	225.0	125.6	(B)	(B)	4 or more shareholders	231.1	138.3
West South Central	193.8	115.7	130.4	(B)	Unincorporated: Solo	130.7	74.0
West	216.6	110.0	123.2	85.8	Expense-sharing	167.5	93.9
Mountain	206.7	97.5	(B)	(B)	2 or 3 partners	161.7	91.2
Pacific	219.6	113.9	125.8	88.8	4 or more partners	170.0	98.0

B Base figure too small to meet statistical standards for reliability of derived figure. NA Not available.

No. 156. Office-Based Physicians' Median Earnings from Practice, by Specialty: 1986

[See headnote, table 155. Total includes specialties not shown separately]

SPECIALTY	Gross earnings ($1,000)	Net earnings ($1,000)	NET EARNINGS FROM PRACTICE—PERCENT DISTRIBUTION						
			Less than $40,000	$40,000–$69,999	$70,000–$99,999	$100,000–$124,999	$125,000–$149,999	$150,000–$199,999	$200,000 or more
M.D.'s total	**200.3**	**112.8**	**6**	**15**	**21**	**17**	**12**	**15**	**14**
Family physicians	181.1	86.4	5	23	38	18	8	7	1
General practitioners	130.0	72.8	14	32	27	13	4	7	3
General surgeons	227.1	122.4	5	13	15	20	13	17	17
Internists	180.8	95.6	5	20	28	23	13	6	5
Neurosurgeons	359.8	203.6	2	3	10	10	9	15	51
Obstetrician-gynecologists	271.8	137.8	4	10	11	15	19	21	20
Ophthalmologists	315.6	148.0	2	8	15	12	15	21	27
Orthopedic surgeons	354.0	182.6	1	3	9	10	13	22	42
Pediatricians	168.2	84.3	8	26	28	17	11	7	3
Plastic surgeons	357.2	180.2	2	4	10	12	14	15	43
Psychiatrists	127.9	86.7	9	23	32	14	11	6	5
Radiologists	187.5	147.5	7	2	8	18	16	25	23
Thoracic surgeons	263.9	156.5	4	6	11	13	13	23	30

Source of tables 155 and 156: Medical Economics Company, Oradell, NJ, *Medical Economics.* (Copyright © by Medical Economics Company; further reproduction prohibited without written permission of copyright owner.)

No. 157. Hospitals and Nursing Homes—Summary Characteristics: 1971 to 1986

[Except as indicated, based on National Master Facility Inventory]

YEAR AND TYPE OF FACILITY	Total	FACILITIES UNDER—			FACILITIES WITH—			Residents [2] (1,000)	Full-time employees (1,000)
		Govt. control	Proprietary control	Nonprofit control	Less than 25 beds [1]	25–74 beds	75 or more beds		
1971: All facilities	29,682	4,178	18,091	7,413	8,902	10,959	9,821	2,262	3,007
Nursing homes [3]	22,004	1,368	17,049	3,587	8,266	8,259	5,479	1,076	568
Hospitals	7,678	2,810	1,042	3,826	636	2,700	4,342	1,186	2,439
1980: All facilities	30,116	3,498	19,611	7,007	8,852	8,573	12,691	2,427	3,919
Nursing homes [3] [4] [5]	23,065	936	18,669	3,460	8,498	6,362	8,205	1,396	[6] 798
Hospitals	7,051	2,562	942	3,547	354	2,211	4,486	1,031	3,121
1986: All hospitals [7]	6,954	2,230	1,176	3,548	290	2,150	4,514	874	3,241
General	5,956	1,871	829	3,256	259	1,849	3,848	690	2,871
Psychiatric	584	267	218	99	12	140	432	139	248
Chronic	44	30	4	10	-	6	38	13	21
Tuberculosis	4	3	-	1	-	1	3	-	1
Nursing homes [3] [5]	25,646	1,045	20,223	4,378	9,613	6,605	9,428	1,553	(NA)

- Represents or rounds to zero. NA Not available. [1] For hospitals, minimum of 6 beds; for nursing homes, minimum of 3 beds. [2] Number of residents as of date of interview. [3] See footnote 1, table 168. [4] Includes 1978 data for Alaska and South Dakota. [5] Excludes hospital-based nursing homes; 1986 data based on the 1986 Inventory of Long-Term Care Places. Data may not be strictly comparable with previous year data. [6] Estimated. [7] Includes types not shown below.

Source: U.S. National Center for Health Statistics, *Health Resources Statistics, 1971,* and unpublished data.

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NO. 158. HOSPITALS—SUMMARY CHARACTERISTICS, BY TYPE OF SERVICE AND CONTROL. 1960 TO 1986

vers hospitals accepted for registration by American Hospital Association; see text, section 3. Short-term hospitals have an verage patient stay of less than 30 days; long-term, an average stay of longer duration. Special hospitals include obstetrics and ynecology; eye, ear, nose, and throat; rehabilitation; orthopedic; and chronic and other special hospitals except psychiatric, uberculosis, alcoholism, and chemical dependency hospitals. See also *Historical Statistics, Colonial Times to 1970*, series B 05-318, B 331-344, and B 413-422]

ITEM	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
mber:										
All hospitals	6,876	7,123	7,156	6,965	6,933	6,915	6,888	6,872	6,872	6,841
With 100 beds or more	2,903	3,488	3,691	3,755	3,804	3,807	3,812	3,808	3,805	3,765
lon-Federal	6,441	6,715	6,774	6,606	6,585	6,569	6,546	6,531	6,529	6,499
Short-term general and special	5,407	5,859	5,979	5,904	5,879	5,863	5,843	5,814	5,784	5,728
Nongovernmental nonprofit	3,291	3,386	3,364	3,339	3,356	3,354	3,363	3,366	3,364	3,338
For profit	856	769	775	730	729	748	757	786	805	834
State and local government	1,260	1,704	1,840	1,835	1,794	1,761	1,723	1,662	1,615	1,556
Long-term general and special	308	236	215	157	146	138	131	131	128	133
Psychiatric	488	519	544	534	549	558	564	579	610	634
Tuberculosis	238	101	36	11	11	10	8	7	7	4
ederal	435	408	382	359	348	346	342	341	343	342
ds (1,000):										
All hospitals	1,658	1,616	1,466	1,365	1,362	1,360	1,350	1,339	1,309	1,283
Rate per 1,000 population [1]	9.3	7.9	6.8	6.0	5.9	5.9	5.8	5.7	5.5	5.4
Beds per hospital	241	227	205	196	196	197	196	195	190	188
lon-Federal	1,481	1,455	1,334	1,248	1,246	1,246	1,237	1,226	1,197	1,172
Short-term general and special	639	848	947	992	1,007	1,015	1,021	1,020	997	977
Rate per 1,000 population [1]	3.6	4.2	4.4	4.4	4.4	4.4	4.4	4.3	4.2	4.1
Nongovernmental nonprofit	446	592	659	693	706	712	718	717	702	686
For profit	37	53	73	87	88	91	94	100	104	106
State and local government	156	204	215	212	213	212	209	203	190	184
Long-term general and special	67	60	51	39	35	34	30	30	31	30
Psychiatric	722	527	330	215	202	195	185	175	169	165
Tuberculosis	52	20	6	2	2	1	1	1	1	(Z)
ederal	177	161	132	117	116	114	113	112	112	111
cupancy rate: [2]										
All hospitals	84.6	80.3	76.7	77.7	77.9	77.4	76.1	72.5	69.5	68.8
Non-Federal	(NA)	(NA)	76.3	77.4	77.8	77.2	75.7	71.9	68.9	68.3
Short-term general and special	74.7	78.0	74.8	75.4	75.9	75.2	73.4	68.9	65.2	64.6
Nongovernmental nonprofit	76.6	80.1	77.4	78.2	78.5	77.8	75.8	71.4	67.7	67.1
For profit	65.4	72.2	65.9	65.2	66.4	65.5	63.1	57.0	52.2	50.9
State and local government	71.6	73.2	69.7	70.7	71.2	70.7	70.0	65.9	63.1	62.8
Long-term general and special	86.9	82.0	82.1	85.9	86.2	87.9	86.5	88.7	88.5	88.1
Psychiatric	93.1	84.8	80.3	85.2	85.9	86.1	86.5	86.3	87.0	86.8
Tuberculosis	75.4	61.8	57.7	67.0	66.5	62.3	67.5	63.4	64.1	59.0
Federal	87.2	79.6	80.7	80.1	79.0	79.4	80.5	79.0	76.3	74.2
penses (bil. dol.): [3]										
All hospitals	8.4	25.6	48.7	91.9	107.1	123.2	136.3	144.1	153.3	165.2
Non-Federal	7.3	23.1	44.2	84.0	98.5	113.7	125.6	133.0	141.0	152.1
Short-term general and special	5.6	19.6	39.1	77.0	90.7	105.1	116.6	123.5	130.7	140.9
Nongovernmental nonprofit	4.1	14.2	28.0	55.8	66.3	76.9	85.7	90.9	96.2	103.6
For profit	.3	1.1	2.6	5.8	6.9	8.2	9.2	10.3	11.5	13.0
State and local government	1.2	4.3	8.6	15.3	17.6	20.1	21.7	22.4	23.0	24.3
Long-term general and special	.3	.6	1.0	1.2	1.3	1.5	1.5	1.7	1.9	2.0
Psychiatric	1.2	2.7	4.0	5.8	6.4	7.0	7.4	7.7	8.3	9.1
Tuberculosis	[illegible]	.2	.1	.1	.1	.1	.1	.1	.1	(Z)
Federal	1.1	2.5	4.5	7.9	8.6	9.5	10.7	11.2	12.3	13.1
rsonnel (1,000): [4]										
All hospitals	1,598	2,537	3,023	3,492	3,661	3,959	3,707	3,630	3,625	3,647
Non-Federal	1,412	2,321	2,766	3,213	3,378	3,656	3,422	3,339	3,326	3,351
Short-term general and special	1,060	1,929	2,399	2,879	3,039	3,312	3,102	3,023	3,003	3,032
Nongovernmental nonprofit	792	1,387	1,714	2,087	2,213	2,424	2,272	2,223	2,217	2,242
For profit	48	97	139	189	203	223	213	214	221	229
State and local government	241	444	546	602	622	665	618	586	565	560
Long-term general and special	55	69	68	56	61	61	53	54	58	56
Psychiatric	238	305	292	275	275	281	264	260	263	263
Tuberculosis	39	18	7	3	3	3	2	2	2	1
Federal	186	216	256	279	283	302	286	290	299	296
rsonnel per 100 patients: [4]										
All hospitals	114	196	269	329	345	376	361	374	398	413
Non-Federal	113	198	272	333	348	380	365	379	403	419
Short-term general and special	226	292	339	385	398	434	414	430	462	481
Nongovernmental nonprofit	232	292	336	385	399	438	417	434	466	487
For profit	196	256	288	334	348	374	358	375	408	423
State and local government	215	298	365	401	411	443	422	438	470	483
Long-term general and special	95	140	162	170	200	200	202	203	212	212
Psychiatric	35	68	110	150	158	167	165	172	180	183
Tuberculosis	99	146	216	290	287	334	351	342	378	365
ederal	120	169	240	297	310	335	314	327	351	360

A Not available. Z Less than 500 beds or $50 million. [1] Based on Bureau of the Census estimated resident ulation as of July 1. [2] Ratio of average daily census to every 100 beds. [3] Excludes new construction. [4] Includes full- equivalents of part-time personnel.

urce: American Hospital Association, Chicago, IL *Hospital Statistics*, annual. (Copyright.)

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No. 159. Hospital Facilities—Total, 1960 to 1986, and States and Puerto Rico, 1986

[Short-term hospitals have an average stay of less than 30 days. See also *Historical Statistics, Colonial Times to 1970*, series B 305–308 and B 359–362]

YEAR AND STATE OR OTHER AREA	NUMBER OF HOSPITALS		BEDS (1,000)		PATIENTS ADMITTED (mil.)		AVERAGE DAILY CENSUS [2] (1,000)		OCCUPANCY RATE [3]		Personnel [4] (1,000)	Total outpatient visits (mil.)
	Total	Short-term [1]	Total	Short-term [1]	Total	Short-term [1]	Total	Short-term [1]	Total	Short-term [1]		
1960	6,876	5,407	1,658.0	639.1	25.0	23.0	1,401.9	477.4	84.6	74.7	1,598	(NA)
1965	7,123	5,736	1,703.5	741.3	28.8	26.5	1,402.6	563.4	82.3	76.0	1,952	125.8
1970	7,123	5,859	1,615.8	848.2	31.8	29.3	1,297.7	661.5	80.3	78.0	2,537	181.4
1971	7,097	5,865	1,555.6	866.5	32.7	30.1	1,236.8	664.8	79.5	76.7	2,589	199.7
1972	7,061	5,843	1,549.7	883.7	33.3	30.8	1,208.9	684.1	78.0	75.2	2,671	219.2
1973	7,123	5,891	1,534.7	903.3	34.4	31.8	1,189.0	681.5	77.5	75.4	2,769	233.6
1974	7,174	5,977	1,512.7	931.2	35.5	32.9	1,187.4	701.3	77.2	75.3	2,919	250.5
1975	7,156	5,979	1,465.8	947.0	36.2	33.5	1,124.9	708.1	76.7	74.8	3,023	254.8
1976	7,082	5,956	1,433.5	961.2	36.8	34.1	1,089.7	714.8	76.0	74.4	3,108	271.0
1977	7,099	5,973	1,407.1	973.9	37.1	34.4	1,065.9	716.7	75.8	73.6	3,213	263.0
1978	7,015	5,935	1,380.6	979.7	37.2	34.6	1,041.9	719.9	75.5	73.5	3,280	263.6
1979	6,988	5,923	1,371.8	987.7	37.8	35.2	1,043.4	729.0	76.1	73.8	3,382	262.0
1980	6,965	5,904	1,364.5	992.0	38.9	36.2	1,059.7	748.3	77.7	75.4	3,492	262.9
1981	6,933	5,879	1,361.5	1,006.7	39.2	36.4	1,060.9	764.4	77.9	75.9	3,661	265.3
1982	6,915	5,863	1,359.8	1,015.2	39.1	36.4	1,052.7	763.3	77.4	75.2	3,959	313.7
1983	6,888	5,843	1,350.4	1,021.4	38.9	36.2	1,027.9	750.1	76.1	73.4	3,707	273.2
1984	6,872	5,814	1,338.7	1,019.8	37.9	35.2	970.3	702.7	72.5	68.9	3,630	276.6
1985	6,872	5,784	1,308.5	996.5	36.3	33.5	909.8	650.0	69.5	65.2	3,625	282.1
1986, U.S	**6,841**	**5,728**	**1,283.0**	**976.9**	**35.2**	**32.4**	**882.6**	**630.6**	**68.8**	**64.6**	**3,647**	**294.8**
Alabama	144	129	24.6	20.1	.7	.6	16.1	12.3	65.3	61.6	60	4.3
Alaska	28	18	2.0	1.2	.1	(Z)	1.2	.7	57.7	55.4	6	1.1
Arizona	85	62	13.1	10.1	.5	.4	8.5	6.3	65.2	62.8	42	4.5
Arkansas	100	92	13.3	11.0	.4	.4	7.9	6.3	59.4	57.0	32	2.1
California	572	479	108.0	83.1	3.3	3.0	71.4	51.5	66.1	62.0	339	30.0
Colorado	98	83	14.4	11.2	.4	.4	9.2	6.6	63.7	59.4	43	4.0
Connecticut	65	40	15.7	10.0	.4	.4	12.4	7.3	78.6	73.0	50	3.1
Delaware	13	8	3.6	2.1	.1	.1	2.8	1.5	78.1	69.1	11	[illegible]
District of Columbia	17	12	8.2	4.7	.2	.2	6.4	3.6	78.2	76.6	30	2.0
Florida	270	225	61.2	50.8	1.8	1.7	39.7	31.6	64.9	62.2	168	11.0
Georgia	202	166	34.7	26.5	1.0	.9	23.9	17.2	68.8	64.9	96	7.8
Hawaii	26	18	3.9	2.6	.1	.1	3.0	1.9	77.2	74.4	14	1.0
Idaho	50	45	3.9	3.3	.1	.1	2.3	1.9	58.9	56.9	10	1.0
Illinois	270	237	64.1	52.2	1.8	1.7	43.1	33.4	67.2	64.1	190	14.8
Indiana	137	117	29.4	23.1	.8	.7	18.8	13.4	63.9	57.9	80	6.8
Iowa	138	128	18.1	14.9	.4	.4	11.5	8.6	63.2	58.1	43	3.3
Kansas	163	144	16.7	12.2	.4	.3	10.4	6.6	62.3	54.1	38	3.0
Kentucky	120	107	19.5	16.3	.6	.6	13.0	10.3	66.7	63.4	49	4.8
Louisiana	173	148	26.6	19.8	.7	.7	17.2	11.5	64.5	58.2	68	4.9
Maine	47	42	6.3	4.9	.2	.2	4.5	3.3	71.2	67.0	19	1.6
Maryland	84	54	22.2	14.3	.6	.5	17.4	10.5	78.5	73.3	68	5.0
Massachusetts	175	115	38.6	24.9	.9	.8	29.3	17.1	75.8	68.7	125	10.1
Michigan	216	187	44.4	36.3	1.2	1.2	30.0	23.4	67.6	64.5	141	12.6
Minnesota	176	163	26.7	21.1	.6	.5	17.8	13.4	66.7	63.4	61	3.5
Mississippi	118	108	17.0	13.0	.5	.4	10.8	7.6	63.3	58.0	37	2.3
Missouri	165	140	31.3	25.3	.9	.8	20.7	15.9	66.2	63.1	92	6.2
Montana	66	60	5.0	4.7	.1	.1	3.0	2.7	58.9	58.7	11	.8
Nebraska	106	96	11.2	9.3	.2	.2	6.8	5.3	60.4	56.6	26	1.3
Nevada	28	21	4.0	3.4	.1	.1	2.0	1.6	51.1	47.7	10	1.0
New Hampshire	39	29	4.8	3.3	.1	.1	3.2	2.1	67.8	64.3	14	1.5
New Jersey	125	98	40.2	29.5	1.1	1.1	31.7	22.0	78.7	74.7	111	8.3
New Mexico	56	38	6.6	4.1	.2	.2	4.3	2.5	65.7	59.7	19	2.0
New York	324	255	112.8	76.6	2.7	2.5	95.3	62.9	84.5	82.1	339	28.0
North Carolina	160	132	30.0	22.0	.9	.8	21.4	14.7	71.6	66.9	88	5.8
North Dakota	59	52	5.9	4.8	.1	.1	3.8	3.0	63.3	61.2	12	.8
Ohio	229	197	58.0	47.5	1.7	1.6	38.7	30.3	66.7	63.7	177	13.9
Oklahoma	141	119	16.7	13.2	.5	.4	10.0	7.4	59.8	56.3	45	3.2
Oregon	81	72	10.8	8.4	.3	.3	6.5	4.6	59.9	55.0	32	2.9
Pennsylvania	304	246	72.7	54.6	2.0	1.9	53.7	38.3	73.8	70.2	219	17.3
Rhode Island	21	14	5.2	3.4	.1	.1	4.0	2.6	77.4	75.1	18	1.2
South Carolina	90	75	15.2	11.5	.5	.4	11.1	8.0	73.0	69.0	43	3.5
South Dakota	67	56	5.8	4.6	.1	.1	3.4	2.6	59.1	56.6	11	.9
Tennessee	163	144	30.9	25.1	.9	.8	20.4	15.9	66.2	63.1	60	5.1
Texas	549	467	82.8	62.8	2.3	2.1	50.0	35.0	60.4	55.8	219	16.5
Utah	46	41	5.4	4.4	.2	.2	3.3	2.6	62.1	57.9	18	1.8
Vermont	19	16	2.8	2.1	.1	.1	2.0	1.4	71.0	67.6	8	.6
Virginia	137	100	30.7	20.5	.8	.7	21.9	13.9	71.6	67.6	83	6.4
Washington	119	104	16.6	13.0	.6	.5	10.5	7.5	62.8	57.5	52	6.3
West Virginia	70	63	11.3	9.6	.3	.3	7.3	5.8	64.8	60.4	30	2.9
Wisconsin	158	138	26.6	21.3	.7	.6	17.2	13.0	64.7	61.0	64	5.3
Wyoming	32	28	3.2	2.2	.1	.1	1.8	1.1	56.6	50.6	6	.6
Puerto Rico	63	57	10.9	8.9	.4	.4	7.6	5.8	69.5	65.6	26	3.2

NA Not available. Z Less than 50,000. [1] Non-Federal hospitals. [2] Inpatients receiving treatment each day; excludes newborn. [3] Ratio of average daily census to every 100 beds. [4] Includes full-time equivalents of part-time personnel.

Source: American Hospital Association, Chicago, IL, *Hospital Statistics*, annual. (Copyright.)

No. 160. Hospital Use Rates, by Type of Hospital: 1970 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series B 384-387]

TYPE OF HOSPITAL	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Non-Federal short-term: [1]										
Admissions per 1,000 population [2]	140	156	157	159	159	157	155	149	141	136
Admissions per bed	34	35	36	36	36	38	35	35	35	33
Average length of stay [3] (days)	8.2	7.7	7.6	7.6	7.6	7.6	7.5	7.3	7.1	7.1
Outpatient visits per admission	4.5	5.9	5.8	5.7	5.7	6.9	5.9	6.1	6.6	7.2
Outpatient visits per 1,000 population [2]	641	911	906	913	901	1,084	915	917	935	983
Surgical operations (million)	(NA)	16.7	18.3	18.8	19.2	19.6	19.9	19.9	20.2	20.5
Number per admission	(NA)	.5	.5	.5	.5	.5	.5	.6	.6	.6
Psychiatric:										
Admissions per 1,000 population [2]	3.3	3.2	2.8	2.8	2.7	2.7	2.6	2.4	2.5	2.6
Days in hospital per 1,000 population [2]	862	490	334	326	304	292	274	234	224	219

NA Not available. [1] General and special; excludes psychiatric and tuberculosis. Short-term hospitals have an average patient stay of less than 30 days. [2] Based on Bureau of the Census estimated resident population as of July 1. [3] Number of inpatient days divided by number of admissions.

Source: American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (copyright); and unpublished data.

No. 161. Hospital Utilization Rates, by Sex, 1970 to 1986, and Selected Characteristics, 1986

[Represents estimates of inpatients discharged from noninstitutional, short-stay hospitals, exclusive of Federal hospitals. Excludes newborn. Based on sample data collected from the National Hospital Discharge Survey, a sample survey of hospital records of patients discharged in year shown; subject to sampling variability. For composition of regions, see fig. I, inside front cover]

SELECTED CHARACTERISTIC	Patients discharged (1,000)	PATIENTS DISCHARGED PER 1,000 PERSONS [1]			DAYS OF CARE PER 1,000 PERSONS [1]			AVERAGE STAY (days)			Beds used per day [2]
		Total	Male	Female	Total	Male	Female	Total	Male	Female	
1970	29,127	144	118	169	1,122	982	1,251	8.0	8.7	7.6	321
1980	37,832	168	139	194	1,217	1,068	1,356	7.3	7.7	7.0	337
1983	38,783	167	139	193	1,155	1,024	1,278	6.9	7.4	6.6	316
1984	37,162	159	132	184	1,044	924	1,155	6.6	7.0	6.3	286
1985	35,056	148	124	171	954	849	1,053	6.5	6.9	6.2	261
1986, total	**34,256**	**143**	**121**	**164**	**913**	**817**	**1,003**	**6.4**	**6.8**	**6.1**	**250**
Under 1 year old	731	196	229	162	1,125	1,207	1,039	5.7	5.3	6.4	308
1-4 years old	844	59	67	50	218	245	189	3.7	3.7	3.8	60
5-14 years old	1,208	36	39	32	159	183	135	4.5	4.7	4.2	44
15-24 years old	4,290	112	59	165	479	342	614	4.3	5.8	3.7	131
25-34 years old	5,613	133	73	192	630	464	791	4.7	6.4	4.1	173
35-44 years old	3,554	108	91	125	620	563	675	5.7	6.2	5.4	170
45-64 years old	7,300	162	166	159	1,101	1,105	1,098	6.8	6.7	6.9	302
65-74 years old	5,141	297	324	275	2,364	2,557	2,211	8.0	7.9	8.0	648
75 years old and over	5,574	470	527	440	4,228	4,509	4,075	9.0	8.6	9.3	1,158
Region: Northeast	6,955	139	123	155	1,029	948	1,102	7.4	7.7	7.1	282
Midwest	8,931	151	129	171	1,002	910	1,089	6.6	7.0	6.3	275
South	11,892	145	120	168	883	772	986	6.1	6.4	5.9	242
West	6,478	134	108	160	735	647	820	5.5	6.0	5.1	201
Hospital ownership:											
Nonprofit	23,506	98	83	113	647	577	712	6.6	7.0	6.3	177
State, local govt	7,131	30	25	34	175	160	189	5.9	6.4	5.5	48
Proprietary	3,618	15	13	17	91	80	102	6.0	6.3	5.8	25

[1] Based on Bureau of the Census estimated civilian population as of July 1. [2] Average daily number of beds occupied per 100,000 civilian population.

Source: U.S. National Center for Health Statistics, *Vital Health Statistics*, series 13, and unpublished data.

No. 162. Average Cost to Community Hospitals per Patient, 1970 to 1986, and Average Semi-Private Room Charge, 1978 to 1986

[**In dollars, except percent.** Covers non-Federal short-term general or special hospitals (excluding psychiatric or tuberculosis hospitals and, beginning 1975, hospital units of institutions). Total cost per patient based on total hospital expenses (payroll, employee benefits, professional fees, supplies, etc.). Data have been adjusted for outpatient visits]

TYPE OF EXPENSE AND HOSPITAL	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Average cost per day, total	**74**	**134**	**153**	**174**	**194**	**217**	**245**	**284**	**327**	**369**	**411**	**460**	**501**
Annual percent change [1]	12.7	12.6	14.2	13.9	11.7	11.8	12.8	16.0	15.1	12.8	11.4	10.7	8.2
Nongovernmental nonprofit	75	133	153	175	195	218	246	286	330	374	415	463	504
For profit	71	133	156	177	202	226	257	299	340	385	438	500	552
State and local government	71	136	151	171	189	212	239	274	312	348	385	433	466
Average cost per stay, total	**605**	**1,030**	**1,176**	**1,322**	**1,474**	**1,642**	**1,851**	**2,171**	**2,501**	**2,789**	**2,995**	**3,245**	**3,533**
Nongovernmental nonprofit	615	1,040	1,208	1,363	1,515	1,684	1,902	2,226	2,573	2,869	3,073	3,307	3,590
For profit	486	876	1,032	1,168	1,317	1,476	1,676	1,953	2,226	2,518	2,749	3,033	3,342
State and local government	614	1,031	1,133	1,262	1,399	1,561	1,750	2,072	2,364	2,621	2,823	3,106	3,405
Average semi-private room charge (Jan. 1) [2]	**(NA)**	**(NA)**	**(NA)**	**(NA)**	**105**	**115**	**127**	**144**	**166**	**185**	**203**	**213**	**227**

NA Not available. [1] For explanation of annual percent change, see Guide to Tabular Presentation. Average change from prior year shown. For 1970, change from 1965. [2] Source: See footnote 1, table 163. Charge for 1987 was $244.

Source: Except as noted, American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (copyright); and unpublished data.

NO. 163. AVERAGE DAILY HOSPITAL ROOM CHARGES, 1980 TO 1988, AND AVERAGE COST TO COMMUNITY HOSPITALS PER PATIENT, 1980 AND 1986—STATES

[In dollars. Average daily room charges cover non-governmental short-term general hospitals and represent average cost to patient for a semi-private room. See headnote, table 162]

STATE	AVERAGE DAILY ROOM CHARGE [1]			AVERAGE COST PER DAY		AVERAGE COST PER STAY		STATE	AVERAGE DAILY ROOM CHARGE [1]			AVERAGE COST PER DAY		AVERAGE COST PER STAY	
	1980	1985	1988	1980	1986	1980	1986		1980	1985	1988	1980	1986	1980	1986
U.S.	**127**	**212**	**253**	**245**	**501**	**1,851**	**3,533**	MO	107	165	226	230	505	1,848	3,722
AL	96	161	183	209	417	1,459	2,911	MT	113	201	221	160	324	1,321	2,870
AK	189	295	337	408	800	2,276	4,573	NE	100	155	182	194	372	1,526	3,303
AZ	106	191	244	290	639	2,013	3,810	NV	125	243	233	343	766	2,201	4,389
AR	86	140	153	185	406	1,172	2,572	NH	125	200	247	203	454	1,432	2,878
CA	161	281	364	362	705	2,395	4,404	NJ	146	183	229	212	431	1,650	3,188
CO	124	211	260	247	536	1,760	3,623	NM	115	193	234	263	537	1,549	2,996
CT	127	206	326	271	561	2,039	3,932	NY	157	228	263	257	464	2,469	4,213
DE	125	214	300	236	526	1,937	3,596	NC	87	139	189	187	409	1,397	2,807
DC	170	274	443	358	664	3,169	5,266	ND	93	173	195	177	345	1,528	3,320
FL	109	181	217	247	536	1,803	3,715	OH	139	228	275	241	533	1,907	3,640
GA	92	150	161	218	426	1,380	2,820	OK	101	162	164	239	490	1,527	3,116
HI	127	231	256	245	490	1,868	3,707	OR	133	225	283	277	607	1,671	3,203
ID	110	197	247	206	402	1,251	2,631	PA	132	255	298	234	493	1,947	3,662
IL	144	248	271	277	535	2,183	3,894	RI	138	206	275	260	485	2,162	3,686
IN	107	184	223	214	492	1,620	3,204	SC	80	145	170	186	397	1,367	2,774
IA	107	179	203	199	369	1,465	2,940	SD	96	161	182	189	306	1,265	2,682
KS	104	183	214	207	407	1,592	3,063	TN	91	140	171	204	425	1,427	2,915
KY	92	175	213	189	406	1,268	2,575	TX	91	159	196	226	517	1,491	3,160
LA	89	154	201	233	520	1,492	3,212	UT	112	173	242	271	605	1,462	3,086
ME	124	208	254	217	410	1,707	3,121	VT	116	209	286	163	353	1,472	3,017
MD	119	186	230	251	478	2,136	3,407	VA	101	165	196	211	435	1,647	3,057
MA	151	229	310	294	560	2,578	4,260	WA	125	229	281	262	615	1,502	3,352
MI	151	267	292	267	564	2,087	4,002	WV	110	166	196	195	427	1,383	2,780
MN	105	187	241	203	400	1,818	3,600	WI	104	166	186	218	415	1,765	3,183
MS	67	113	141	174	336	1,178	2,223	WY	98	173	193	242	386	1,189	2,632

[1] As of January. Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data*, 1987, and *Survey of Hospital Semi-Private Room Charges*, annual.

Source: Except as noted, American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (coypright); and unpublished data.

NO. 164. HOSPITAL DISCHARGES AND DAYS OF CARE, BY SEX, AGE, AND DIAGNOSIS: 1986

[See headnote, table 161]

AGE AND FIRST-LISTED DIAGNOSIS	DISCHARGES		Days of care per 1,000 persons [1]	Average stay (days)
	Number (1,000)	Per 1,000 persons [1]		
MALE				
All ages [2]	**13,849**	**120.5**	**816.9**	**6.8**
Diseases of heart	2,002	17.3	116.1	6.7
Malignant neoplasms	866	7.5	70.3	9.4
Fracture, all sites	540	4.7	34.4	7.4
Pneumonia, all forms	471	4.1	30.8	7.6
Cerebrovascular disease	396	3.4	32.6	9.5
Under 15 years [2]	1,603	60.3	273.3	4.5
Bronchitis, emphysema [3]	110	4.1	13.2	3.2
Acute respiratory infection	105	4.0	12.0	3.0
Pneumonia, all forms	106	4.0	18.4	4.6
Congenital anomalies	104	3.9	20.9	5.3
Chronic disease of tonsils and adenoids	84	3.1	3.9	1.3
15–44 years [2]	4,100	73.4	450.7	6.1
Fracture, all sites	274	4.9	32.0	6.5
Psychoses	220	3.9	56.6	14.4
Alcohol dependence syndrome	196	3.5	36.0	10.3
Intervertebral disc disorders	175	3.1	18.8	6.0
Diseases of heart	161	2.9	16.2	5.6
45–64 years [2]	3,569	166.1	1,105.2	6.7
Diseases of heart	783	36.5	224.3	6.2
Malignant neoplasms	265	12.3	118.1	9.6
Cerebrovascular diseases	97	4.5	42.6	9.5
Intervertebral disc disorders	94	4.4	29.1	6.7
Inguinal hernia	89	4.1	12.2	2.9
65 years old and older [2]	4,677	395.5	3,246.8	8.2
Diseases of heart	1,044	88.3	647.8	7.3
Malignant neoplasms	486	41.1	403.4	9.8
Cerebrovascular diseases	282	23.8	223.7	9.4
Pneumonia, all forms	228	19.3	176.8	9.2
Hyperplasia of prostate	194	16.4	98.3	6.0
FEMALE				
All ages [2]	**20,307**	**164.4**	**1,002.8**	**6.**
Delivery	3,762	30.4	97.9	3.
Diseases of heart	1,729	14.0	103.8	7.
Malignant neoplasms	994	8.0	70.9	8.
Fracture, all sites	560	4.5	43.9	9.
Cerebrovascular disease	491	4.0	39.2	9.
Under 15 years [2]	1,179	46.5	214.6	4.
Pneumonia, all forms	88	3.5	16.2	4.
Chronic disease of tonsils and adenoids	82	3.2	4.1	1.
Bronchitis, emphysema [3]	72	2.8	9.4	3.
Acute respiratory infection	63	2.5	9.0	3.
Noninfectious enteritis and colitis	52	2.0	6.2	3.
15–44 years [2]	9,358	163.2	697.7	4.
Delivery	3,748	65.4	210.1	3.
Pregnancy w/abortive outcome	341	5.9	12.3	2.
Psychoses	202	3.5	51.5	14.
Inflammatory disease of female pelvic organs	193	3.4	15.2	4.
Benign neoplasms	177	3.1	15.4	5.
45–64 years [2]	3,731	158.7	1,097.8	6.
Diseases of heart	436	18.5	126.0	6.
Malignant neoplasms	366	15.6	127.8	8.
Benign neoplasms	114	4.8	26.2	5.
Cholelithiasis	102	4.3	28.5	6.
Fracture, all sites	92	3.9	29.8	7.
65 years old and older [2]	6,039	348.1	3,034.8	8.
Diseases of heart	1,196	68.9	531.9	7.
Malignant neoplasms	478	27.6	276.0	10.
Cerebrovascular diseases	392	22.6	221.8	9.
Fracture, all sites	314	18.1	221.1	12.
Pneumonia, all forms	239	13.8	134.0	9.

[1] See footnote 1, table 161. [2] Includes other first-listed diagnoses, not shown separately. [3] Includes asthma.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 13, and unpublished data.

No. 165. PROCEDURES FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS: 1975 TO 1986

[Excludes newborn infants and discharges from Federal hospitals. See headnote, table 161. Prior to 1980, a maximum of 3 operations were coded per discharge, while a maximum of 4 per discharge were coded beginning in 1980]

SEX AND TYPE OF PROCEDURE	NUMBER OF PROCEDURES (1,000)					RATE PER 1,000 POPULATION [1]				
	1975	1980	1984	1985	1986	1975	1980	1984	1985	1986
BOTH SEXES										
Surgical procedures, total [2,3]	**20,040**	**24,494**	**25,590**	**24,799**	**25,041**	**93.7**	**108.6**	**109.2**	**104.6**	**104.6**
Procedures to assist delivery	(NA)	2,391	2,362	2,494	2,605	(NA)	10.6	10.1	10.5	10.9
Cesarean section	328	619	813	877	906	1.5	2.7	3.5	3.7	3.8
Cardiac catheterization	189	348	570	681	775	.9	1.5	2.4	2.9	3.2
Reduction of fracture [4]	688	605	627	681	673	3.2	2.7	2.7	2.9	2.8
Hysterectomy	725	649	664	670	644	3.4	2.9	2.8	2.8	2.7
Repair of current obstetric laceration	227	355	483	548	612	1.1	1.6	2.1	2.3	2.6
Diagnostic and other non-surgical procedures [5]	(NA)	**6,918**	**10,565**	**11,961**	**12,959**	(NA)	**30.7**	**45.1**	**50.5**	**54.1**
CAT scan [6]	(NA)	306	1,091	1,378	1,531	(NA)	1.4	4.7	5.8	6.4
Diagnostic ultrasound	(NA)	318	836	1,234	1,411	(NA)	1.4	3.6	5.2	5.9
Angiocardiography and arteriography [7]	(NA)	569	972	1,117	1,285	(NA)	2.5	4.1	4.7	5.4
Radioisotope scan	(NA)	525	764	838	851	(NA)	2.3	3.3	3.5	3.6
Cystoscopy	(NA)	867	740	645	622	(NA)	3.8	3.2	2.7	2.6
MALE										
Surgical procedures, total [2]	**7,379**	**8,505**	**9,164**	**8,805**	**8,960**	**71.4**	**78.1**	**81.0**	**76.8**	**77.4**
Cardiac catheterization	125	228	372	439	495	1.2	2.1	3.3	3.8	4.3
Prostatectomy	266	335	361	367	367	2.6	3.1	3.2	3.2	3.2
Reduction of fracture [4]	348	325	330	339	350	3.4	3.0	2.9	3.0	3.0
Repair of inguinal hernia	484	483	411	370	293	4.7	4.4	3.6	3.2	2.5
Diagnostic and other non-surgical procedures [5]	(NA)	**3,386**	**5,195**	**5,889**	**6,359**	(NA)	**31.1**	**45.9**	**51.4**	**54.9**
Angiocardiography and arteriography [7]	(NA)	355	588	693	771	(NA)	3.3	5.2	6.0	6.7
CAT scan [6]	(NA)	152	530	671	747	(NA)	1.4	4.7	5.9	6.5
FEMALE										
Surgical procedures, total [2,3]	**12,661**	**15,989**	**16,426**	**15,994**	**16,081**	**114.6**	**137.1**	**135.5**	**130.6**	**130.2**
Procedures to assist delivery	(NA)	2,391	2,362	2,494	2,605	(NA)	20.5	19.5	20.4	21.1
Cesarean section	328	619	813	877	906	3.0	5.3	6.7	7.2	7.3
Hysterectomy	725	649	664	670	644	6.6	5.6	5.5	5.5	5.2
Repair of current obstetric laceration	227	355	483	548	612	2.1	3.0	4.0	4.5	5.0
Diagnostic and other non-surgical procedures [5]	(NA)	**3,532**	**5,370**	**6,072**	**6,601**	(NA)	**30.2**	**44.3**	**49.6**	**53.4**
Diagnostic ultrasound	(NA)	204	519	756	865	(NA)	1.7	4.3	6.2	7.0
CAT scan [6]	(NA)	154	561	707	784	(NA)	1.3	4.6	5.8	6.3

NA Not available. [1] Based on Bureau of the Census estimated civilian population as of July 1. [2] Includes other types of surgical procedures not shown separately. [3] Figures for 1975 should be compared with caution to those for 1980–1986 because data prior to 1980 exclude the following obstetrical procedures: Episiotomy, artificial rupture of membrane, internal version and outlet, and low forceps delivery. [4] Excluding skull, nose, and jaw. [5] Includes other non-surgical procedures not shown separately. [6] Computerized axial tomography. [7] Using contrast material.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 13, and unpublished data.

No. 166. ORGAN TRANSPLANTS AND GRAFTS: 1981 TO 1987

[As of **end of year.** Based on reports of independent and hospital based procurement programs in the United States]

PROCEDURE	NUMBER OF PROCEDURES					NUMBER OF CENTERS		Number of people waiting, 1987	Survival rates, 1987 (percent)
	1981	1985	1986	1987	Cumulative through 1987 [1]	1981	1987		
Transplant:									
Heart	62	719	1,388	1,441	4,211	8	104	848	86.0
Liver	26	602	924	1,182	(NA)	1	45	[2] 500	65.0
Kidney	4,883	7,695	976	[2] 8,972	77,880	157	200	12,059	[3] 91.0/96.0
Heart-lung	5	30	45	41	154	(NA)	23	169	(NA)
Pancreas/Islet cell	(NA)	130	140	[2] 180	(NA)	(NA)	31	[2] 100	35.0/40.0
Cornea grafts	15,500	26,300	28,000	35,000	265,000	(NA)	[4] 103	[2] 5,000	[5] 90.0
Bone grafts	(NA)	(NA)	(NA)	250,000	(NA)	(NA)	(NA)	(NA)	(NA)
Skin grafts	(NA)	(NA)	(NA)	5,000	(NA)	(NA)	[6] 50	(NA)	[5] 98.0

NA Not available. [1] Total number of procedures performed, including years not shown. [2] Estimate. [3] 91.0 percent with kidney from a deceased donor; 96.0 percent with kidney from a living related donor. [4] Eye banks. [5] Success rate. [6] Skin banks.

Source: U.S. Department of Health and Human Services, Public Health Service, Division of Organ Transplantation, *Organ Transplatation*, annual, and unpublished data.

NO. 167. PATIENTS DISCHARGED FROM HOSPITALS—PRINCIPAL SOURCE OF EXPECTED PAYMENT, BY SELECTED CHARACTERISTIC: 1986

[Covers non-Federal short-stay hospitals. Discharges excludes newborn infants. Based on the National Hospital Discharge Survey. For methodological details, see source. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	Total discharged (1,000)	PRINCIPAL SOURCE OF EXPECTED PAYMENT—PERCENT DISTRIBUTION							
		Private insurance	Government				Self-pay	No charge	Other[1]
			Medicare	Medicaid	Worker's compensation	Other			
AGE									
All ages	**34,256**	**43.5**	**33.5**	**9.6**	**1.9**	**2.3**	**6.8**	**.7**	**1.7**
Under 15 years old	2,783	56.5	1.4	24.6	(X)	4.1	10.5	1.0	2.0
15-44 years old	13,458	60.7	2.8	14.8	2.9	3.3	11.7	1.0	2.8
45-64 years old	7,300	66.6	12.9	7.3	2.3	2.6	5.5	.9	1.8
65 years old and over	10,716	2.8	94.5	.9	.7	.3	.5	(2)	.2
SEX									
Male, all ages	**13,949**	**40.9**	**36.9**	**7.1**	**3.4**	**2.3**	**7.1**	**.8**	**1.7**
Under 15 years old	1,603	56.0	1.1	24.5	(X)	4.1	11.2	1.0	2.2
15-44 years old	4 100	56.6	4.9	9.3	7.7	3.5	13.8	.9	3.2
45-64 years old	3,569	65.1	14.9	5.1	3.6	2.6	6.0	.9	1.8
65 years old and over	4,677	3.3	93.8	.7	.8	.4	.6	(2)	[2].2
Female, all ages	**20,307**	**45.4**	**31.2**	**11.4**	**.8**	**2.2**	**6.6**	**.7**	**1.7**
Under 15 years old	1,179	57.1	1.8	24.6	(X)	4.1	9.6	.9	1.9
15-44 years old	9,358	62.5	1.9	17.2	.8	3.2	10.7	1.0	2.7
45-64 years old	3,731	68.1	11.0	9.3	1.2	2.6	5.1	.9	1.8
65 years old and over	6,039	2.5	95.0	1.1	.6	.2	.5	[2].1	[2].2
RACE									
White	25,363	44.8	36.7	6.8	1.9	2.0	5.9	.5	1.5
Black	4,015	33.0	22.3	25.5	1.7	2.8	11.0	1.7	2.0
All other	4,877	45.7	26.5	11.2	1.9	3.2	7.7	1.0	2.7
GEOGRAPHIC REGION									
Northeast	6,955	43.3	35.4	11.4	1.3	1.1	5.6	.2	1.7
Midwest	8,931	45.9	33.8	9.4	2.1	1.7	5.4	.2	1.8
South	11,892	44.0	32.5	9.6	2.0	2.2	8.3	.3	1.3
West	6,478	39.6	33.1	8.2	1.9	4.5	7.4	2.8	2.5
OWNERSHIP									
Nonprofit	23,506	45.3	34.3	8.9	1.9	1.7	5.7	.7	1.5
Profit	3,618	47.3	35.9	7.0	2.6	2.0	4.1	[2].1	.9
State or local government	7,131	35.8	29.8	13.3	1.3	4.3	11.6	1.0	2.8

X Not applicable. [1] Includes all other nonprofit sources of payment such as church, welfare, or United Way. [2] Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, *Advance Data from Vital and Health Statistics*, No. 145, and unpublished data.

NO. 168. NURSING AND RELATED CARE FACILITIES: 1971 TO 1987

ITEM	Unit	1971	1973	1976	1978	1980	1982	1984	1985	1986	1987
Nursing and related care:[1]											
Facilities	Number	22,004	21,834	20,468	[2] 18,722	[3] 23,065	[4] 25,849	(NA)	(NA)	[4] 25,646	(NA)
Beds	1,000	1,202	1,328	1,415	[2] 1,349	[3] 1,537	[4] 1,642	(NA)	(NA)	[4] 1,709	(NA)
Resident patients	1,000	1,076	1,198	1,293	[2] 1,240	[3] 1,396	[4] 1,493	(NA)	(NA)	[4] 1,553	(NA)
Employees, full-time	1,000	568	636	653	[2] 664	[3] 798	(NA)	(NA)	(NA)	(NA)	(NA)
Per 1,000 patients	Rate	528	531	505	[2] 535	[3] 571	(NA)	(NA)	(NA)	(NA)	(NA)
Skilled nursing facilities[5]	Number	4,277	3,970	3,922	4,745	5,052	5,408	5,952	6,451	6,897	7,2[illegible]
Beds	1,000	307	287	309	406	436	488	530	(NA)	(NA)	(NA)
Per 1,000 Medicare enrollees[6]	Rate	15.1	13.5	13.7	17.3	17.7	19.1	19.9	(NA)	(NA)	(NA)

NA Not available. [1] Covers nursing homes with 3 beds or more and all other places providing some form of nursing, personal, or domiciliary care; standards vary widely among States. Includes skilled nursing facilities. 1971-1985 based on National Master Facility Inventory. Some changes in data beginning 1976 may be due to dependence on State collection. 1986 data based on the 1986 Inventory of Long-Term Care Places. Data may not be strictly comparable with previous year data. [2] Includes 1976 data for California, District of Columbia, New York, and North Carolina. [3] Excludes hospital-based nursing homes and includes 1978 data for Alaska and South Dakota. [4] Excludes hospital-based nursing homes. [5] Source: Through 1976, U.S. Social Security Administration, *Health Insurance Statistics* and unpublished data. Beginning 1978, U.S. Health Care Financing Administration, *Medicare Participating Providers and Suppliers of Health Services, 1980;* and unpublished data. Covers facilities and beds certified for participation under Medicare as of mid-year. Includes facilities which have transfer agreements with one or more participating hospitals, and are engaged primarily in providing skilled nursing care and related services for the rehabilitation of injured, disabled, or sick persons. [6] Based on number of aged persons residing in United States who were enrolled in the Medicare hospital insurance program as of July 1 of year stated.

Source: Except as noted, U.S. National Center for Health Statistics, *Health Resources Statistics*, annual through 1976 and 1978; 1982, *Advance Data from Vital and Health Statistics*, No. 111, and unpublished data.

No. 169. Nursing and Related Care Facilities—Selected Characteristics: 1986

Excludes hospital-based nursing homes. Based on the 1986 Inventory of Long-Term Care Places. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	TOTAL FACILITIES				NURSING HOMES [1]				RESIDENTIAL FACILITIES [2]			
	Homes	Beds (1,000)	Average number of beds	Occupancy rate	Homes	Beds (1,000)	Average number of beds	Occupancy rate	Homes	Beds (1,000)	Average number of beds	Occupancy rate
Total	**25,646**	**1,709.2**	**67**	**91.0**	**16,388**	**1,507.4**	**92**	**91.7**	**9,258**	**201.8**	**22**	**85.4**
Northeast	4,863	373.8	77	93.7	2,948	317.5	108	94.8	1,915	56.3	29	87.6
Midwest	7,474	539.8	72	90.7	5,393	506.7	94	91.2	2,081	33.1	16	84.4
South	7,311	516.5	71	90.1	5,008	464.0	93	90.5	2,303	52.5	23	86.4
West	5,998	279.1	47	89.4	3,039	219.2	72	91.1	2,959	59.9	20	83.1
Government	1,045	106.6	102	93.0	789	99.7	126	93.6	256	6.8	27	85.3
Proprietary	20,223	1,235.4	61	90.5	12,336	1,079.0	87	91.3	7,887	156.5	20	85.1
Nonprofit	4,378	367.2	84	91.8	3,263	328.7	101	92.4	1,115	38.5	35	86.5
3-9 beds	5,918	32.6	6	82.8	1,340	7.2	5	82.6	4,578	25.5	6	82.9
10-24 beds	3,695	58.1	16	86.3	1,069	18.2	17	87.6	2,626	39.9	15	85.7
25-49 beds	3,135	115.5	37	89.5	2,061	77.8	38	90.8	1,074	37.6	35	86.8
50-74 beds	3,470	208.7	60	92.2	3,037	182.7	60	92.8	433	26.0	60	87.6
75-99 beds	2,526	221.6	88	92.1	2,335	205.4	88	92.5	191	16.3	85	86.5
100-199 beds	5,755	756.2	131	91.1	5,468	717.6	131	91.5	287	38.6	135	84.8
200-299 beds	858	198.2	231	90.8	804	186.1	231	91.3	54	12.1	225	82.9
300-499 beds	239	84.9	355	91.2	225	80.1	356	92.1	14	4.8	340	76.9
500 beds or more	50	33.4	667	95.0	49	32.3	659	94.8	1	1.1	1,050	99.7
Certification:												
Medicare or Medicaid (skilled nursing facility) [3]	8,045	984.1	122	92.9	8,045	984.1	122	92.9	-	-	-	-
Medicaid (intermediate care facility) [3]	5,375	411.5	77	90.3	5,375	411.5	77	90.3	-	-	-	-
Not certified nursing home	2,968	111.8	38	86.3	2,968	111.8	38	86.3	-	-	-	-
Residential facilities	9,258	201.8	22	85.4	(x)	(x)	(x)	(x)	9,258	201.8	22	85.4

- Represents zero. X Not applicable. [1] These facilities have three or more beds and provide to adults who require it either (a) nursing care or (b) personal care (such as help with bathing, eating, using toilet facilities, or dressing) and/or supervision over such activities as money management, walking, and shopping. [2] These facilities offer no nursing services and provide only personal care or supervisory care. [3] Facilities certified as both skilled nursing facilities and intermediate care facilities have been classified as skilled nursing facilities.

Source: U.S. National Center for Health Statistics, *Advance Data From Vital and Health Statistics*, No. 147 and unpublished data.

No. 170. Nursing Home Residents—Living Arrangements Prior to Admission, Source of Payment, and Dependency Status, by Age and Sex: 1985

[For civilian population 65 years and over. Based on the 1985 National Nursing Home Survey conducted from August 1985 through January 1986. Based on sample and subject to sampling variation; see source for details]

ITEM	Total	AGE			SEX	
		65-74 years	75-84 years	85 years and over	Male	Female
All residents (1,000)	**1,315.8**	**212.1**	**509.0**	**594.7**	**334.0**	**981.9**
LIVING ARRANGEMENTS—PERCENT DISTRIBUTION						
Total [1]	100.0	100.0	100.0	100.0	100.0	100.0
Private or semiprivate residence [1]	40.0	29.2	40.5	43.3	36.3	41.2
Alone	14.7	8.2	14.7	17.0	11.6	15.8
With family members	18.9	16.0	19.8	19.2	19.3	18.8
Another health facility [1]	57.0	67.7	56.5	53.6	60.4	55.9
Another nursing home	12.2	12.9	12.6	11.5	13.1	11.8
General or short-stay hospital [2]	38.7	39.5	38.2	38.9	35.2	40.0
PRIMARY SOURCE OF PAYMENT—PERCENT DISTRIBUTION						
Total [1 3]	100.0	100.0	100.0	100.0	100.0	100.0
Own income or family support	49.8	39.0	51.2	52.4	50.9	49.5
Medicare	4.9	4.7	5.2	4.6	4.8	4.9
Medicaid payment for—						
Skilled nursing	13.9	13.9	13.5	14.3	11.9	14.6
Intermediate care	26.2	31.5	25.3	25.1	23.7	27.0
DEPENDENCY STATUS						
Average number of dependencies	3.9	3.4	3.8	4.2	3.6	4.0
Percent of nursing home population requiring assistance in—						
Bathing	91.2	84.8	90.3	94.1	86.9	92.6
Dressing	77.7	70.2	75.9	81.9	71.5	79.7
Using toilet room	63.3	56.6	60.3	68.2	56.2	65.7
Transferring [4]	62.7	52.1	59.7	69.0	55.3	65.2
Eating	40.4	33.4	39.1	44.0	34.8	42.3
Continence	54.5	42.9	55.0	58.1	51.9	55.3

[1] Includes other living arrangements and payment sources, not shown separately. [2] Excludes psychiatric units of hospitals. [3] Payment for admissions month. For persons who were residents for one month or more. [4] Getting in or out of a bed or a chair.

Source: U.S. National Center for Health Statistics, *Use of Nursing Homes by the Elderly: Preliminary Data from the 1985 National Nursing Home Survey, Advance Data*, No. 135, May 1987.

No. 171. Nursing Home Discharges, by Selected Characteristics: 1976 and 1985

[Based on the National Nursing Home Survey and subject to sampling variation, see source]

CHARACTERISTIC	DISCHARGES				MEDIAN DURATION OF STAY (days)	
	Total (1,000)		Percent distribution			
	1976	1985	1976	1985	1976	198
All discharges [1]	1,117.8	1,223.5	100.0	100.0	75	82
Age at discharge:						
Under 65 years old	136.2	129.4	12.1	10.6	56	69
65 years old and over	981.3	1,094.1	87.8	89.4	78	84
65–74 years old	203.6	182.9	18.2	15.0	52	67
75–84 years old	445.8	452.2	39.9	37.0	67	66
85–94 years old	300.6	389.8	26.9	31.8	123	145
95 years old and over	31.1	69.2	2.8	5.7	379	239
Male	407.7	455.5	36.5	37.2	60	68
Female	709.8	768.0	63.5	62.8	88	83
White	(NA)	1,135.9	(NA)	92.8	(NA)	82
Black	(NA)	82.0	(NA)	6.7	(NA)	101
Other	(NA)	5.6	(NA)	.5	(NA)	44
Hispanic [2]	(NA)	35.5	(NA)	2.9	(NA)	113
Non-Hispanic	(NA)	1,130.7	(NA)	92.4	(NA)	82
Unknown	(NA)	57.4	(NA)	4.7	(NA)	71
Live discharges	825.5	877.0	73.9	71.7	60	70
Dead discharges	289.8	343.8	25.9	28.1	130	160
Live discharges—						
Destination at discharge	825.5	877.0	100.0	100.0	60	70
Private or semiprivate residence	306.7	266.4	37.2	30.4	30	36
Another health facility	484.2	591.5	58.7	67.5	124	119
Another nursing home	108.6	98.0	13.2	11.2	103	89
General or short-stay hospital, except psychiatric unit	339.5	430.2	41.1	49.1	139	139
Veterans hospital	(3)	20.8	(3)	2.4	(3)	65
Other health facility or unknown type	[4] 36.0	42.8	[4] 4.4	4.9	[4] 60	78
Mental health facility	12.0	20.5	1.1	1.7	160	127
Unknown or other	34.7	19.8	4.2	2.2	41	47

NA Not available. [1] Total includes small number of unknown by discharge status. [2] Persons of Hispanic origin may be of any race. [3] Veterans hospital included in "Other health facility." [4] Includes veterans hospital.

Source: U.S. National Center for Health Statistics, *Discharge From Nursing Homes: Preliminary Data From the 1985 National Nursing Home Survey*, Advance Data, No. 142, September 1987.

No. 172. Residential Facilities for the Mentally Retarded: 1960 to 1986

[For years ending **June 30**. Mentally retarded people refers to those who have been so designated by State governments in the process of placing them into residential facilities]

ITEM	STATE-OPERATED FACILITIES [1]						PRIVATE FACILITIES [3]		
	1960	1970	1975	1980 [2]	1985 [2]	1986 [2]	1977	1982	198
Number of facilities [4]	108	190	210	384	881	986	10,219	14,605	28,411
Resident patients, beginning of year	158,682	189,956	166,880	148,734	117,101	112,654	(NA)	(NA)	(NA)
Admissions [5]	14,701	14,985	13,424	14,084	7,713	8,498	22,363	22,431	(NA)
Deaths in institutions	3,208	3,496	2,752	2,142	1,537	1,371	891	920	(NA)
Live releases [6]	6,451	14,702	18,320	16,225	10,310	11,554	12,384	12,989	(NA)
Resident patients, end of year	163,730	186,743	159,041	140,230	112,183	107,065	89,120	115,032	147,2[illegible]
Rate per 100,000 population [7]	91.9	92.5	74.4	62.2	46.8	45.2	41.2	49.7	61.[illegible]
Average daily resident patients	163,282	187,897	161,061	136,304	111,791	107,750	(NA)	(NA)	(NA)
Maintenance expenditures per day per average daily resident patient (dollars) [8]	5	13	31	68	122	130	[9] 19	[9] 37	(NA)

NA Not available. [1] Data as submitted by many State agencies; figures reflect some estimates. Resident patients at the end of a year do not equal the number at the beginning of a succeeding year. Includes estimates for underreporting. [2] Includes data for 142 facilities in 1980, 121 facilities in 1985, and 112 in 1986, operated as mental hospitals or other care facilities and which have at least 10 mentally retarded residents. The average daily number of mentally retarded residents in these facilities was 8,240 in 1980, 5,602 in 1985, and 3,106 in 1986. [3] A privately-operated living quarter which provides 24-hour, 7-days-a-week responsibility for room, board, and supervision of mentally retarded persons. Excludes single-family homes providing services to a relative; nursing homes, boarding homes and foster homes not formally licensed or contracted as mental retardation service providers; and independent living programs which have no staff residing in facility. [4] Beginning 1985, reflects the development of a large number of community based State-operated facilities which were developed in the early 1980's. [5] Includes readmissions and excludes transfers. [6] 1960–1975, represents excess of patients released alive from hospital over those returning to hospital. Beginning 1980, total live releases. [7] Based on Bureau of the Census estimated civilian population as of July 1. [8] Reporting facilities only; includes salaries and wages, purchased provisions, fuel, light, water, etc. [9] Represents average daily reimbursement rate per resident.

Source: State-operated facilities: U.S. Office of Human Development Services, *Residents in Public Institutions for the Mentally Retarded*, annual through 1970, and unpublished data; 1980 through 1986, Center for Residential and Community Services (CRCS), University of Minnesota, Minneapolis, MN, White, Lakin, Hill, Wright, and Bruininks, Report No. 24; Private facilities: CRCS, Lakin, Hill, White, and Wright, Brief Report No. 24.

No. 173. Mental Retardation Facilities—Summary by Selected Characteristics: 1986

ental retardation (MR) facilities include intermediate care facilities (ICF-MR), foster homes, group residences, semi-independent ving programs, State institutions and other kinds of MR places. Based on the 1986 Inventory of Long-Term Care Places. For an xplanation of mental retardation, see table 172. For details, see source. For composition of regions, see inside front cover]

CHARACTERISTIC	FACILITIES		BEDS		RESIDENTS						
					Number			Percent distribution			Average number of residents
	Number	Percent distribution	Number	Percent distribution	Total [1]	Black	Hispanic [2]	Total [1]	Black	Hispanic [2]	
Total	**14,639**	**100.0**	**269,954**	**100.0**	**250,472**	**29,442**	**10,181**	**100.0**	**100.0**	**100.0**	17
BED SIZE											
-5 beds	5,115	34.9	17,089	6.3	15,234	1,726	623	6.1	5.9	6.1	3
-9 beds	5,491	37.5	37,318	13.8	34,815	3,159	1,587	13.9	10.7	15.6	6
0-15 beds	2,097	14.3	24,991	9.3	23,444	1,950	937	9.4	6.6	9.2	11
6-99 beds	1,531	10.5	58,050	21.5	54,090	5,485	2,333	21.6	18.6	22.9	35
00 beds or more	405	2.8	132,496	49.1	122,884	17,122	4,701	49.1	58.2	46.2	303
100-199 beds	198	1.4	26,206	9.7	24,539	3,698	995	9.8	12.6	9.8	124
200-499 beds	126	.9	41,331	15.3	38,322	4,904	1,465	15.3	16.7	14.4	304
500 beds or more	81	.6	64,959	24.1	60,028	8,520	2,241	24.0	28.9	22.0	741
GEOGRAPHIC REGION											
ortheast	3,806	26.0	65,812	24.4	61,707	5,634	1,578	24.6	19.1	15.5	16
idwest	4,741	32.4	83,087	30.8	77,193	6,438	1,079	30.8	21.9	10.6	16
South	2,380	16.3	71,867	26.6	66,767	14,538	2,668	26.7	49.4	26.2	28
West	3,712	25.4	49,188	18.2	44,805	2,832	4,856	17.9	9.6	47.7	12
TYPE OF OWNERSHIP											
Profit	6,330	43.2	66,536	24.6	60,560	6,503	3,495	24.2	22.1	34.3	10
Nonprofit	6,396	43.7	78,935	29.2	75,193	6,938	2,316	30.0	23.6	22.7	12
Government	1,913	13.1	124,483	46.1	114,719	16,001	4,370	45.8	54.3	42.9	60

[1] Includes races not shown separately. [2] Persons of Hispanic origin may be of any race.

Source: National Center for Health Statistics, *Advance Data, No. 143,* September 1987.

No. 174. Mental Health Facilities—Summary by Type of Facility: 1987

[Facilities and beds as of **January 1987;** inpatients as of **yearend 1986;** other data are for calendar year or fiscal year ending in a month other than December since facilities are permitted to report on either a calendar or fiscal year basis. Excludes private psychiatric office practice and psychiatric service modes of all types in hospitals or outpatient clinics of Federal agencies other than Veterans Administration. Excludes data from Puerto Rico, Virgin Islands, Guam, and other territories]

TYPE OF FACILITY	Number of facilities	INPATIENT BEDS		INPATIENTS		Average daily inpatients (1,000)	Inpatient care episodes [2] (1,000)	EXPENDITURES		Patient care staff [4] (1,000)
		(1,000)	Rate [1]	(1,000)	Rate [1]			Total (mil. dol.)	Per capita [3] (dol.)	
Total	**4,747**	**267.6**	**111.8**	**237.8**	**99.4**	**228.5**	**2,052**	**18,460**	**77**	**346.6**
Mental hospitals:										
State and county	285	119.0	49.7	111.1	46.4	107.1	442	6,326	26	119.0
Private [5]	751	54.7	22.9	47.8	20.0	46.1	306	3,607	15	60.6
General hospitals [6]	1,351	45.8	19.1	34.5	14.4	34.4	883	2,878	12	61.1
Veterans Administration [7]	139	26.9	11.2	24.3	10.2	21.2	204	1,338	5	23.6
Free-standing psychiatric outpatient services [8]	773	(X)	(X)	(X)	(X)	(X)	(X)	518	2	9.2
Other [9]	1,448	21.2	8.9	20.2	8.4	19.7	218	3,793	16	73.1

X Not applicable. [1] Rate per 100,000 population. Based on Bureau of Census estimated civilian population as of July 1.

[2] "Inpatient care episodes" is defined as the number of residents in inpatient facilities at the beginning of the year plus the total additions to inpatient facilities during the year.

[3] Based on Bureau of the Census estimated civilian population as of July 1.

[4] Full-time equivalent. [5] Includes residential treatment centers for emotionally disturbed children.

[6] Non-Federal hospitals with separate psychiatric services. [7] Includes Veterans Administration (VA) neuropsychiatric hospitals, VA general hospitals with separate psychiatric settings and VA freestanding psychiatric outpatient clinics.

[8] Includes mental health facilities which provide only psychiatric outpatient services.

[9] Includes other multiservice mental health facilities with two or more settings, which are not elsewhere classified, as well as freestanding partial care organizations; which only provide psychiatric partial care services. Number of facilities, expenditures, and staff data also include freestanding psychiatric day/night facilities.

Source: U.S. National Institute of Mental Health, *Statistical Note* series, and unpublished data.

NO. 175. DAYS OF DISABILITY, BY TYPE AND SELECTED CHARACTEPISTICS: 1970 TO 1986

[Covers civilian noninstitutional population. Beginning 1983, the levels of estimates may not be comparable to estimates for 1970-1980 because the later data are based on a revised questionnaire and field procedures; for further information, see source. Based on National Health Interview Survey; see Appendix III. For composition of regions, see fig. I, inside front cover]

ITEM	TOTAL DAYS OF DISABILITY (millions)						DAYS PER PERSON				
	1970	1980	1983	1984	1985	1986	1970	1980	1983	1984	1985
Restricted-activity days [1]	2,913	4,165	3,318	3,427	3,453	3,597	14.6	19.1	14.5	14.8	14.8
Male	1,273	1,802	1,365	1,454	1,442	1,498	13.2	17.1	12.3	13.0	12.8
Female	1,640	2,363	1,953	1,973	2,011	2,099	15.8	21.0	16.5	16.5	16.6
White [2]	2,526	3,518	2,813	2,905	2,899	3,048	14.4	18.7	14.3	14.7	14.5
Black [2]	365	580	452	461	469	473	16.2	22.7	16.6	16.6	17.4
Hispanic [3]	(NA)	(NA)	(NA)	229	228	226	(NA)	(NA)	(NA)	12.9	13.2
Under 65 years	2,331	3,228	2,487	2,587	2,557	2,712	12.9	16.6	12.2	12.6	12.4
65 years and over	582	937	831	840	895	884	30.7	39.2	32.1	31.8	33.1
Northeast	709	862	716	700	689	700	14.5	17.9	14.6	13.9	13.8
Midwest	691	980	762	799	744	844	12.4	17.2	12.9	13.4	12.7
South	996	1,415	1,184	1,232	1,308	1,325	15.9	19.8	15.6	16.0	16.3
West	518	800	657	696	712	728	15.6	22.0	14.5	15.5	15.7
Family income:											
Under $5,000	982	762	397	377	349	319	23.3	37.5	24.7	25.3	26.0
$5,000-$9,999	857	804	618	576	544	532	12.8	25.8	23.7	23.6	25.6
$10,000-$14,999	539	836	439	432	397	402	11.5	19.4	17.5	17.6	17.9
$15,000-$24,999	257	803	640	687	683	678	11.0	15.1	12.3	13.8	14.3
$25,000 and over	74	784	821	942	1,061	1,197	10.7	12.7	10.0	10.6	10.6
Bed-disability days [4]	1,222	1,520	1,530	1,508	1,436	1,548	6.1	7.0	6.7	6.5	6.1
Male	503	616	632	624	583	613	5.2	5.9	5.7	5.6	5.2
Female	720	904	898	884	852	935	6.9	8.0	7.6	7.4	7.1
Under 65 years	959	1,190	1,097	1,110	1,064	1,137	5.3	6.1	5.4	5.4	5.1
65 years and over	263	330	433	398	371	411	13.8	13.8	16.7	15.1	13.7
Work-loss days [5]	417	485	419	512	575	607	5.4	5.0	4.2	4.9	5.3
Male	243	271	207	259	287	302	5.0	4.9	3.7	4.4	4.8
Female	175	215	212	254	288	305	5.9	5.1	4.9	5.6	6.0
School-loss days [6]	222	204	225	227	217	226	4.9	5.3	5.0	5.1	4.8
Male	108	95	107	108	100	99	4.7	4.8	4.7	4.8	4.4
Female	114	109	118	119	117	127	5.1	5.7	5.4	5.4	5.3

NA Not available. [1] A day when a person cuts down on his usual activities for the whole day because of illness or injury. Includes bed-disability, work-loss, and school-loss days. Total includes other races and unknown income, not shown separately. [2] Beginning 1980 race was determined by asking the household respondent to report his race. In earlier years the race classification of respondents was determined by interviewer observation. [3] Hispanic persons may be of any race. [4] A day when a person was kept in bed either all or most of the day because of illness or injury. Includes those work-loss and school-loss days actually spent in bed. [5] A day when a person lost the entire workday because of illness or injury. Computed for persons 17 years of age and over (beginning 1983, 18 years of age and over) in the currently employed population, defined as those who were working or had a job or business from which they were not on layoff during the 2-week period preceding the week of interview. [6] Child's loss of entire school day because of illness or injury. Computed for children 6-16 years of age. Beginning 1983, children 5-17 years old.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10; and unpublished data.

NO. 176. PERSONS INJURED, BY SEX, 1970 TO 1986, AND BY AGE AND PLACE, 1986

[Covers civilian noninstitutional population and comprises incidents leading to restricted activity and/or medical attention. 1975 and beginning 1982, data not strictly comparable with other years. See headnote, table 175. Based on National Health Interview Survey; see Appendix III]

YEAR	PERSONS INJURED (millions)			RATE PER 100 POPULATION		
	Total	Male	Female	Total	Male	Female
1970	56.0	31.8	24.2	28.0	33.0	23.3
1975	71.9	39.4	32.5	34.4	39.1	30.0
1977	73.9	42.3	31.6	34.8	41.3	28.8
1978	67.5	38.1	29.4	31.6	36.9	26.6
1979	69.1	40.2	28.9	32.0	38.6	25.9
1980	68.1	39.0	29.1	31.2	37.1	25.8
1981	70.3	40.1	30.2	31.2	36.9	25.9
1982	60.0	32.4	27.6	26.4	29.5	23.4
1983	61.1	33.0	28.1	26.6	29.8	23.7
1984	61.1	33.7	27.4	26.4	30.1	22.9
1985	62.6	34.6	28.0	26.8	30.6	23.1

AGE AND PLACE	PERSONS INJURED (millions)			RATE PER 100 POPULATION	
	Total	Male	Female	Total	Male
1986, total [1]	**62.4**	**34.0**	**28.4**	**26.4**	**29.8**
Under 5 years	4.3	2.7	1.6	23.4	29.1
5-17 years	15.2	8.8	6.4	33.8	38.5
18-44 years	28.3	16.4	11.9	26.0	33.2
45-64 years	8.9	4.1	4.7	19.8	19.4
65 years and over	5.8	2.0	3.8	21.0	17.2
Home	22.0	11.0	11.0	9.3	9.6
Street or highway	7.9	3.9	4.0	3.3	3.4
Industrial	7.3	5.4	1.8	3.1	4.7
Other	15.8	10.2	5.6	6.7	8.9

[1] Includes unknown place of accident, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

No. 177. Specified Reportable Diseases—Cases Reported: 1970 to 1987

[Figures should be interpreted with caution. Although reporting of some of these diseases is incomplete, the figures are of value in indicating trends of disease incidence. Includes cases imported from outside the U.S. See *Historical Statistics, Colonial Times to 1970*, series B 291-303, for related data]

DISEASE	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
AIDS [1]	(NA)	(NA)	(NA)	199	744	2,117	4,445	8,249	13,166	21,070
Amebiasis	2,888	2,775	5,271	6,632	7,304	6,658	5,252	4,433	3,532	3,123
Aseptic meningitis	6,480	4,475	8,028	9,547	9,680	12,696	8,326	10,619	11,374	11,487
Botulism [2]	12	20	89	103	97	133	123	122	109	82
Brucellosis (undulant fever)	213	310	183	185	173	200	131	153	106	129
Chickenpox (1,000)	(3)	154.2	190.9	200.8	167.4	177.5	222.0	178.2	183.2	213.2
Diphtheria	435	307	3	5	2	5	1	3	-	3
Encephalitis:										
Primary infectious [4]	1,580	4,064	1,362	1,492	1,484	1,761	1,257	1,376	1,302	1,418
Post infectious [4]	370	237	40	43	36	34	108	161	124	121
Hepatitis: B (serum) (1,000)	8.3	13.1	19.0	21.2	22.2	24.3	26.1	26.6	26.1	25.9
A (infectious) (1,000)	56.8	35.9	29.1	25.8	23.4	21.5	22.0	23.2	23.4	25.3
Unspecified (1,000)	(3)	7.2	11.9	11.0	8.6	7.1	5.5	5.5	3.9	3.1
Non-A, non-B (1,000)	(3)	(3)	(3)	(3)	2.6	3.5	3.9	4.2	3.6	3.0
Legionellosis	(3)	(3)	(3)	(3)	654	852	750	830	948	1,038
Leprosy	129	162	223	256	250	259	290	361	270	238
Leptospirosis	47	93	85	82	100	61	40	57	41	43
Malaria	3,051	373	2,062	1,388	1,056	813	1,007	1,049	1,123	944
Measles (1,000)	47.4	24.4	13.5	3.1	1.7	1.5	2.6	2.8	6.3	3.7
Meningococcal infections	2,505	1,478	2,840	3,525	3,056	2,736	2,746	2,479	2,594	2,930
Mumps (1,000)	105.0	59.6	8.6	4.9	5.3	3.4	3.0	3.0	7.8	12.8
Pertussis [5] (1,000)	4.2	1.7	1.7	1.2	1.9	2.5	2.3	3.6	4.2	2.8
Plague	13	20	18	13	19	40	31	17	10	12
Poliomyelitis, acute	33	8	9	6	8	15	8	7	8	[6] -
Psittacosis	35	49	124	136	152	142	172	119	224	98
Rabies, animal	3,224	2,627	6,421	7,118	6,212	5,878	5,567	5,565	5,504	4,658
Rabies, human	3	2	-	2	-	2	3	1	-	1
Rheumatic fever, acute [7]	3,227	2,854	432	264	137	88	117	90	147	141
Rubella [8] (1,000)	56.6	16.7	3.9	2.1	2.3	1.0	1.0	.6	.6	.3
Salmonellosis [9] (1,000)	22.1	22.6	33.7	40.0	40.9	44.3	40.9	65.3	50.0	50.9
Shigellosis [10] (1,000)	13.8	16.6	19.0	19.9	18.1	19.7	17.4	17.1	17.1	23.9
Tetanus	148	102	95	72	88	91	74	83	64	48
Toxic-shock syndrome	(3)	(3)	(3)	(3)	(3)	502	482	384	412	372
Trichinosis	109	252	131	206	115	45	68	61	39	40
Tuberculosis [11] (1,000)	37.1	34.0	27.7	27.4	25.5	23.8	22.3	22.2	22.8	22.5
Tularemia	172	129	234	288	275	310	291	177	170	214
Typhoid fever	346	375	510	584	425	507	390	402	362	400
Typhus fever:										
Flea-borne (endemic-murine)	27	44	81	81	58	62	53	37	67	49
Tick-borne (Rocky Mt. spotted fever)	380	844	1,163	1,192	976	1,126	838	714	760	604
Venereal diseases (civilian cases):										
Gonorrhea (1,000)	600	1,000	1,004	991	961	900	879	911	901	781
Syphilis (1,000)	91	80	69	73	76	75	70	68	68	87
Other (1,000)	2.2	1.1	1.0	1.2	1.6	1.2	1.0	2.3	4.2	5.3

- Represents zero. NA Not available. [1] Acquired immunodeficiency syndrome was not a notifiable disease until 1984. Figures are shown for years in which cases were reported to the CDC. [2] Beginning in 1975, includes foodborne, infant, wound, and unspecified cases. [3] Disease was not notifiable. [4] Beginning 1975, reported data reflect new diagnostic categories. [5] Whooping cough. [6] Preliminary. [7] Based on reports from States: 36 in 1975, 38 in 1970 and 1981, 37 in 1980, 35 in 1982-1984, 31 in 1985, 29 in 1986, and 25 in 1987. [8] German measles. [9] Excludes typhoid fever. [10] Bacillary dysentery. [11] Newly reported active cases. New diagnostic standards introduced in 1975.

Source: U.S. Centers for Disease Control, Atlanta, GA, *Summary of Notifiable Diseases, United States, Morbidity and Mortality Weekly Report*, Vol. 36, No. 54, September 1988.

No. 178. Selected Measures of Hospital Utilization for Patients Discharged With the Diagnosis of AIDS: 1984 to 1986

[See headnote, table 179]

MEASURE OF UTILIZATION	Unit	1984	1985	1986
Number of patients discharged	1,000	10	23	37
Rate of patient discharges [1]	Rate	.4	1.0	1.6
Number of days of care	1,000	123	387	606
Rate of days of care [1]	Rate	5.2	16.3	25.3
Average length of stay [2]	Days	12.1	17.1	16.2

[1] Per 10,000 population. Based on Bureau of the Census estimated civilian population as of July 1. [2] For similar data on all patients, see table 161.

Source: National Center for Health Statistics, *Vital and Health Statistics, Advance Data*, No. 156, May 1988.

NO. 179. HOSPITAL DISCHARGES AND DAYS OF CARE FOR PATIENTS WITH AIDS, AND ALL PATIENTS, BY SELECTED CHARACTERISTICS: 1984-1986

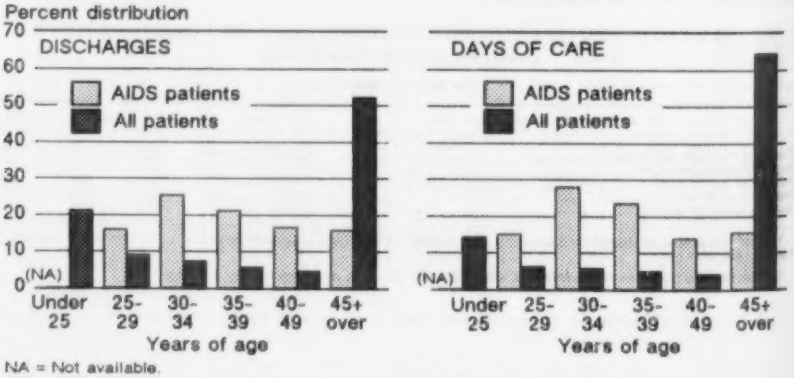
[Based on National Hospital Discharge Survey; see source for details]

CHARACTERISTICS	DISCHARGES			DAYS OF CARE			AVERAGE LENGTH OF STAY (days)	
	Patients with AIDS (1,000)	Percent distribution		Patients with AIDS (1,000)	Percent distribution			
		AIDS patients	All patients		AIDS patients	All patients	AIDS patients	All patients
Total [1]	**70**	**100.0**	**100.0**	**1,116**	**100.0**	**100.0**	**15.9**	**6.5**
Age: Under 25 years old	(2)	(2)	21.2	(2)	(2)	14.2	(2)	4.4
25-29 years old	11	16.0	9.0	169	15.1	6.3	15.0	4.5
30-34 years old	18	25.4	7.3	312	28.0	5.7	17.5	5.1
35-39 years old	15	21.2	5.7	258	23.1	5.0	17.4	5.7
40-44 years old	12	16.7	4.6	155	13.9	4.2	13.3	6.0
45 years old and over	11	15.8	52.2	174	15.6	64.5	15.7	8.0
Male	66	94.5	40.4	1,051	94.1	43.0	15.8	6.9
Female	(2)	(2)	59.6	(2)	(2)	57.0	(2)	6.2
Race: White	49	69.4	75.3	638	57.1	76.1	13.1	6.5
All other	17	24.9	14.6	364	32.6	15.1	20.8	6.7
Not stated	(2)	(2)	10.0	(2)	(2)	8.8	(2)	5.7
Region: Northeast	25	35.1	20.2	505	45.3	23.9	20.5	7.7
West	30	42.4	18.2	355	31.8	15.5	11.9	5.5
Principal expected source of payment: [3]								
Private insurance	38	54.0	63.8	547	49.0	61.3	14.4	6.3
Medicare	(2)	(2)	5.6	(2)	(2)	8.6	(2)	8.7
Medicaid	16	22.8	13.1	269	24.1	13.4	16.6	5.7
All other	14	19.6	17.4	263	23.6	16.7	18.9	5.4
Ownership of hospital: Nonprofit	50	71.0	68.7	760	68.0	70.9	15.2	6.7
Proprietary	(2)	(2)	9.9	(2)	(2)	9.5	(2)	5.9
Government	18	25.5	21.4	300	26.9	19.6	16.8	6.2
Bed size of hospital: Less than 300 beds	12	17.6	52.4	200	18.0	47.8	16.2	5.9
300 beds or more	58	82.4	47.6	916	82.0	52.2	15.8	7.1
Discharge status: Alive	57	81.3	96.0	824	73.8	93.6	14.4	6.3
Dead	13	17.9	2.7	279	25.0	5.0	22.2	12.0
Not stated	(2)	(2)	1.3	(2)	(2)	1.4	(2)	7.0

[1] Includes other regions, not shown separately. For composition of regions, see fig. I, inside front cover. [2] Figure does not meet standards of reliability or precision. [3] For patients under 65 years of age.

Source: U.S. National Center for Health Statistics, *Advance Data from Vital and Health Statistics*, No. 156, and unpublished data.

Figure 3.3
AIDS Patients-Hospital Discharges and Days of Care: 1984-1986



NA = Not available.

Source: Chart prepared by U.S. Bureau of the Census. For data see table 179.

No. 180. AIDS Cases Reported, by Patient Characteristic: 1981 to 1988

[Provisional. For cases reported in the year shown. Data are subject to retrospective changes and may differ from those data in table 177]

CHARACTERISTIC	NUMBER								PERCENT DISTRIBUTION	
	Total	1981–82	1983	1984	1985	1986	1987	1988 [1]	1981–82	1988 [1]
Total	**73,394**	**858**	**2,073**	**4,448**	**8,232**	**13,169**	**21,118**	**23,496**	**100.0**	**100.0**
Age:										
Under 13 years old	1,145	13	34	50	129	186	319	414	1.5	1.8
13–29 years old	15,397	202	460	962	1,703	2,825	4,401	4,844	23.5	20.6
30–39 years old	33,941	399	936	2,118	3,868	6,122	9,630	10,868	46.5	46.3
40–49 years old	15,379	178	451	923	1,709	2,689	4,513	4,916	20.8	20.9
50–59 years old	5,351	61	161	313	627	969	1,555	1,665	7.1	7.1
60 years old and over	2,161	5	31	82	196	378	700	769	.6	3.4
Sex:										
Male	66,951	799	1,916	4,155	7,646	12,117	19,299	21,019	93.1	89.5
Female	6,442	59	157	293	586	1,052	1,819	2,476	6.9	10.5
Race/ethnic group:										
White, non-Hispanic	43,423	482	1,181	2,696	5,012	7,889	13,001	13,162	56.3	56.0
Black, non-Hispanic	19,692	253	563	1,114	2,090	3,381	5,362	6,929	29.6	29.5
Hispanic	9,616	119	311	605	1,071	1,780	2,540	3,190	13.9	13.6
Other	663	4	18	33	59	119	215	215	.2	.9
Leading States: [2]										
New York	18,415	461	867	1,588	2,492	3,796	3,967	5,244	53.7	22.3
California	15,600	134	455	1,008	1,958	2,659	4,882	4,504	15.6	19.2
Florida	5,679	67	153	314	555	1,003	1,632	1,955	7.8	8.3
New Jersey	5,221	64	136	281	469	770	1,516	1,985	7.5	8.5
Texas	5,140	20	88	250	486	942	1,679	1,675	2.3	7.1
Illinois	2,102	19	39	101	192	361	635	755	2.2	3.2
Pennsylvania	1,919	18	37	90	202	302	650	620	2.1	2.6
Georgia	1,637	11	24	56	193	299	507	547	1.3	2.3
Massachusetts	1,571	13	33	87	167	282	456	533	1.5	2.3
Maryland	1,295	5	27	53	150	188	461	411	.6	1.8
Ohio	1,025	8	7	29	54	209	327	391	.9	1.7
Washington	973	1	7	59	114	171	338	283	.1	1.2
Connecticut	916	11	19	57	88	176	246	319	1.3	1.4
Virginia	864	-	28	40	108	158	243	287	-	1.2
Michigan	821	3	9	32	61	140	211	356	.4	1.5
Missouri	699	1	7	27	51	73	236	304	.1	1.3
Tennessee	461	-	2	5	18	72	73	291	-	1.2
Percent of total	87.7	97.4	93.5	91.7	89.4	88.2	86.5	87.1	(X)	(X)

- Represents zero. X Not applicable. [1] January 1 until late September. [2] States with at least 280 cases reported from January through September 1988.

Source: U.S. Centers for Disease Control, Atlanta, GA, unpublished data.

No. 181. AIDS Cases, Expenditures, and Appropriations for AIDS, by Category and Leading States: 1984 to 1988

[**For fiscal years, except as indicated.** Based on survey of State chairs of health, legislative budget analysts, commissioners of health and AIDS coordinators, and other State agencies with AIDS programs, (e.g. Departments of Education)]

ITEM	Unit	1984–88, total	1984	1985	1986	1987	1988	Percent change, 1987–88
Total diagnosed AIDS cases [1]	Number	47,022	4,085	9,717	19,503	33,285	47,022	41.3
Public Health Service expenditures	$1,000	1,688,551	61,460	108,618	233,812	494,000	790,661	60.1
State government appropriations [2]	$1,000	269,422	9,285	9,594	27,531	66,738	156,274	134.2
Number of States	Number	(X)	5	9	21	26	37	(X)
Appropriations for—								
Education/information	Percent	(NA)	(NA)	(NA)	25	19	21	(X)
Support services	Percent	(NA)	(NA)	(NA)	12	11	19	(X)
Research	Percent	(NA)	(NA)	(NA)	41	27	17	(X)
Patient care	Percent	(NA)	(NA)	(NA)	4	15	16	(X)
Testing/counseling	Percent	(NA)	(NA)	(NA)	3	11	12	(X)
Leading areas by appropriations: [3]								
California	$1,000	113,062	3,400	4,094	16,020	31,515	58,033	84.1
New York	$1,000	61,970	5,250	2,800	4,500	9,500	39,920	320.2
Florida	$1,000	18,729	25	32	576	5,557	12,539	125.6
New Jersey	$1,000	16,289	530	920	1,969	4,963	7,907	59.3
Massachusetts	$1,000	14,768	(X)	1,500	1,604	4,073	7,591	86.4
Connecticut	$1,000	5,027	(X)	(X)	(X)	227	4,800	2,014.5
District of Columbia	$1,000	6,348	(X)	42	786	1,860	3,660	96.8
Illinois	$1,000	5,742	(X)	(X)	(X)	2,314	3,428	48.1
Michigan	$1,000	4,035	(X)	(X)	325	1,210	2,500	106.6
Maryland	$1,000	3,329	(X)	(X)	450	877	2,002	128.3
Oregon	$1,000	2,311	(X)	(X)	41	290	1,980	328.8
Alabama	$1,000	2,195	(X)	(X)	104	198	1,893	856.1
Texas	$1,000	1,682	(X)	(X)	72	75	1,535	1946.7
Minnesota	$1,000	2,647	(X)	(X)	397	900	1,350	50.0
Percent of total	Percent	95.6	99.1	97.9	97.5	95.2	95.4	(X)

NA Not available. X Not applicable. [1] Total cumulative number, as of beginning of fiscal year. [2] Includes DC. Includes appropriations from State governments direct general revenue funds only; excludes Medicaid expenditures. [3] Areas with over $1 million appropriations for 1988.

Source: Intergovernmental Health Policy Projects, Washington, DC, "Comparing State Only Expenditures for AIDS", *American Journal for Public Health*, April 1988.

No. 182. Acute Conditions, by Type, 1970 to 1986, and by Selected Characteristics, 19

[Covers civilian noninstitutional population. Estimates include only acute conditions which were medically attended or cause least one day of restricted activity. Based on National Health Interview Survey; see Appendix III. See headnote, table 175, composition of regions, see fig. I, inside front cover]

YEAR AND CHARACTERISTIC	NUMBER OF CONDITIONS (mil.)					RATE PER 100 POPULATION			
	Infective and parasitic	Respiratory		Digestive system	Injuries	Infective and parasitic	Respiratory		Digestive system
		Upper	Other				Upper	Other	
1970	48.2	127.3	92.5	23.0	59.2	24.1	63.7	46.3	11.5
1975	47.6	124.0	109.0	21.6	76.2	22.8	59.3	52.1	10.3
1980	53.6	124.2	129.0	24.9	72.7	24.6	57.0	59.2	11.4
1983	46.5	93.0	101.8	17.5	63.0	20.3	40.6	44.4	7.6
1984	46.5	88.0	117.4	17.5	62.8	20.1	38.0	50.7	7.6
1985	47.8	95.1	108.4	16.3	64.0	20.5	40.7	46.4	7.0
1986, total [1]	**54.4**	**85.2**	**143.6**	**15.0**	**64.3**	**23.0**	**36.1**	**60.8**	**6.3**
Under 5 years old	10.1	17.6	14.8	1.5	4.3	55.5	96.6	81.3	8.2
5-17 years old	17.9	23.0	39.7	3.7	15.5	39.9	51.2	88.2	8.3
18-24 years old	5.2	10.1	16.2	1.9	8.8	19.6	37.8	60.7	7.2
25-44 years old	14.5	20.0	44.4	3.8	20.7	19.5	27.0	59.8	5.1
45-64 years old	4.2	9.1	20.7	2.0	9.1	9.5	20.4	46.3	4.5
65 years old and over	2.4	5.4	7.9	2.0	5.9	8.8	19.6	28.6	7.3
Male	23.1	38.9	60.3	5.9	34.6	20.2	34.0	52.7	5.1
Female	31.2	46.3	83.3	9.1	29.7	25.6	37.9	68.3	7.5
White	50.1	72.4	130.0	12.0	56.9	25.0	36.2	65.0	6.0
Black	3.6	9.0	10.1	2.1	5.9	12.7	31.6	35.3	7.5
Northeast	12.2	22.6	24.2	3.4	11.4	24.1	44.6	47.8	6.8
Midwest	8.5	16.9	45.1	3.1	15.6	14.7	29.3	78.1	5.3
South	25.0	25.3	39.5	4.6	23.5	30.9	31.2	48.7	5.7
West	8.7	20.4	34.8	3.8	13.8	18.5	43.6	74.3	8.1
Family income:									
Under $10,000	5.7	13.9	18.7	2.5	11.8	17.2	41.5	55.8	7.4
$10,000-$19,999	9.4	13.1	27.2	2.8	11.1	20.8	29.1	60.4	6.3
$20,000-$34,999	18.5	26.5	40.8	5.4	16.7	29.6	42.3	65.1	8.7
$35,000 or more	16.5	22.6	42.1	2.3	17.5	25.9	35.5	66.1	3.7

[1] Includes other races and unknown income, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

No. 183. Prevalence of Selected Reported Chronic Conditions, by Age and Sex: 1980 and 1986

[See headnote, table 184]

CHRONIC CONDITION	1980		1986							
	Number of conditions (1,000)	Rate [1]	Number of conditions (1,000)	RATE [1]						
				Total	Under 18 yrs.	18-44 yrs.	45-64 yrs.	65-74 yrs.	75 yrs. and over	Male
Heart conditions	16,434	75.4	18,458	78.1	21.7	39.3	123.2	250.0	319.4	74.3
High blood pressure (Hypertension)	24,919	114.3	28,969	122.6	[2] 1.9	67.2	250.6	385.2	409.2	109.4
Varicose veins of lower extremities	5,930	27.2	6,856	29.0	(2)	22.6	56.3	76.2	71.9	9.1
Hemorrhoids	8,616	39.5	9,909	41.9	[2] .9	46.7	73.2	70.2	64.1	40.0
Chronic bronchitis	7,869	36.1	11,379	48.1	63.2	36.5	45.8	62.9	55.4	41.2
Asthma	6,803	31.2	9,690	41.0	51.1	36.4	36.3	46.4	36.3	40.8
Chronic sinusitis	31,956	145.0	34,386	145.5	65.8	170.4	187.0	168.6	170.7	128.0
Hay fever, allergic rhinitis without asthma	17,433	80.0	21,702	91.8	64.3	113.1	95.8	72.4	67.2	88.7
Dermatitis, including eczema	9,138	41.9	9,547	40.4	42.0	44.3	35.4	33.6	25.2	33.7
Diseases of sebaceous glands [3]	5,046	23.2	5,830	24.7	22.2	34.9	16.2	[2] 6.1	[2] 7.2	24.8
Arthritis	27,773	127.4	30,911	130.8	[2] 2.0	47.9	284.6	443.3	540.1	94.0
Trouble with—										
Ingrown nails	(NA)	(NA)	5,382	22.8	9.7	20.0	32.9	38.6	57.8	20.6
Corns and calluses	(NA)	(NA)	4,833	20.4	[2] 1.6	19.4	34.0	39.7	54.4	14.6
Dry (itching) skin	(NA)	(NA)	4,600	19.5	9.1	21.9	21.0	27.7	38.4	17.4
Diabetes	5,665	26.0	6,585	27.9	[2] 2.4	8.7	63.7	91.9	108.5	25.8
Migraine	5,630	25.8	8,516	36.0	14.6	49.4	45.5	21.3	[2] 20.1	18.1
Diseases of urinary system	5,444	25.0	7,736	32.7	6.8	32.8	45.4	58.3	92.3	15.9
Visual impairments	7,984	36.6	8,352	35.3	12.2	28.7	46.3	69.3	136.3	43.7
Cataracts	(NA)	(NA)	5,031	21.3	[2] .6	1.5	21.1	84.3	233.2	13.4
Hearing impairments	17,370	79.7	20,732	87.7	20.1	51.8	136.2	244.2	378.4	102.6
Tinnitus	(NA)	(NA)	6,315	26.7	[2] 3.6	15.3	49.2	83.2	88.3	29.6
Deformities or orthopedic impairments	18,504	84.9	27,381	115.9	32.5	132.2	161.6	158.4	195.7	113.6
Hernia of abdominal cavity	(NA)	(NA)	4,584	19.4	4.7	9.5	36.9	46.5	84.8	20.1
Frequent indigestion	(NA)	(NA)	5,315	22.5	[2] 3.9	25.4	31.3	43.3	35.6	21.9
Frequent constipation	(NA)	(NA)	4,539	19.2	5.6	14.3	22.1	51.2	83.9	8.8

NA Not available. [1] Conditions per 1,000 persons. [2] Figure does not meet standards of reliability or precision. [3] Acn and sebaceous skin cyst.

Source: U.S. National Center for Health Statistics, unpublished data.

No. 184. Persons With Activity Limitation, by Selected Chronic Conditions: 1980 and 1985

[Covers civilian noninstitutional population. Conditions classified according to ninth revision of International Classification of Diseases. Based on National Health Interview Survey; see Appendix III. See headnote, table 175]

CONDITION	Total[1]	AGE			SEX		RACE		FAMILY INCOME		
		Under 45 years	45-64 years	65 years and over	Male	Female	White	Black	Under $20,000	$20,000 to $34,999	$35,000 and over
1980											
Persons with limitation (mil.)	**31.4**	**10.2**	**10.4**	**10.8**	**15.5**	**15.9**	**27.1**	**3.9**	(NA)	(NA)	(NA)
Percent limited by—											
Heart conditions	16.4	4.3	19.7	24.5	18.0	14.7	16.6	15.2			
Arthritis and rheumatism	17.5	5.4	20.0	26.5	11.0	23.7	17.4	18.3			
Hypertension[2]	9.9	3.3	13.2	13.1	7.7	12.1	8.6	19.2			
Impairment of back/spine	9.2	13.9	9.9	4.0	9.1	9.2	9.4	7.7			
Impairment of lower extremities and hips	8.0	10.7	7.2	6.4	9.0	7.1	8.1	7.2			
Percent of all persons with—											
No activity limitation	85.6	93.2	76.1	54.8	85.3	85.9	85.6	84.9			
Activity limitation	14.4	6.8	23.9	45.2	14.7	14.1	14.4	15.1			
In major activity	10.9	4.2	18.8	39.0	11.2	10.6	10.8	12.2			
1985											
Persons with limitation (mil.)	**32.7**	**11.6**	**10.4**	**10.7**	**15.3**	**17.4**	**28.0**	**4.1**	**16.6**	**7.1**	**4.7**
Percent limited by—											
Heart conditions	17.4	4.7	21.5	27.1	18.2	16.7	17.5	16.9	21.5	14.4	14.8
Arthritis and rheumatism	18.9	5.4	22.8	29.7	12.4	24.6	18.9	20.3	25.0	14.3	13.5
Hypertension[2]	10.5	2.9	15.2	14.2	7.9	12.8	9.0	21.3	15.1	7.0	5.3
Impairment of back/spine	9.2	12.5	10.4	4.4	8.9	9.4	9.4	7.0	9.1	11.0	10.6
Impairment of lower extremities and hips	8.9	10.7	8.2	7.8	9.4	8.5	9.0	8.1	10.1	8.5	9.6
Percent of all persons with—											
No activity limitation	86.0	92.8	76.6	60.4	86.4	85.6	85.9	85.5	79.7	89.2	91.9
Activity limitation	14.0	7.2	23.4	39.6	13.6	14.4	14.1	14.5	20.3	10.8	8.1
In major activity	9.5	4.9	17.5	24.1	9.7	9.4	9.4	11.1	14.2	7.3	5.1

NA Not available. [1] Includes persons with unknown family income and other races, not shown separately. [2] Covers all cases of hypertension, regardless of other conditions.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

No. 185. Impaired Hearing and Sight and Prevalence of Selected Conditions of Persons 65 Years Old and Over: 1984

[**In thousands, except percent. Covers persons 65 years old and over** who were living in communities outside of nursing homes or other institutions (civilian noninstitutional population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 42, 43, 186, and 608]

IMPAIRMENT OR CONDITION	65 years and over	AGE							LIVING—	
		65-74 years old			75-84 years old			85 years and over	Alone	With others
		Total	Male	Female	Total	Male	Female			
Total, 65 years and over	**26,433**	**16,288**	**7,075**	**9,213**	**8,249**	**3,128**	**5,121**	**1,897**	**8,397**	**18,036**
Percent with—										
Hearing impairment	28.7	23.2	30.3	17.7	34.3	42.3	29.5	51.4	26.9	29.5
Deafness in—										
One ear	6.9	6.0	7.2	5.0	7.7	9.1	6.9	11.4	6.6	7.1
Both ears	4.8	3.0	4.1	2.2	6.1	7.6	5.3	14.0	4.7	4.8
Using hearing aid	8.2	5.7	7.0	4.7	10.7	13.6	8.9	19.0	7.6	8.5
Visual impairment	12.9	9.6	10.1	9.3	15.9	17.0	15.3	27.6	13.4	12.6
Blindness in—										
One eye	3.1	2.2	2.8	1.7	4.2	5.2	3.5	5.9	3.1	3.1
Both eyes	1.2	.7	.7	.6	1.5	1.6	1.3	4.5	.9	1.3
Cataracts	18.4	12.4	9.3	14.8	26.4	21.1	29.6	35.2	22.8	16.3
Operation for cataracts	10.4	6.7	6.8	6.7	15.2	13.8	16.1	20.7	12.5	9.4
Using eyeglasses	95.1	95.4	94.3	96.2	95.4	93.3	96.7	91.4	94.8	95.2
Arthritis or rheumatism	52.5	51.0	43.9	56.5	55.2	43.9	62.1	53.3	57.2	50.3
Coronary heart disease	15.4	14.6	18.1	11.9	16.9	19.0	15.7	16.4	13.8	16.2
Hypertension	44.1	42.8	38.3	46.3	46.4	34.7	53.5	44.4	46.7	42.8

Source: U.S. National Center for Health Statistics, unpublished data from the Supplement on Aging to the 1984 National Health Interview Survey.

NO. 186. FUNCTIONAL LIMITATIONS OF PERSONS 65 YEARS OLD AND OVER: 1984

[In thousands, except percent. Covers persons 65 years old and over who were living in communities outside of nursing ho or other institutions (civilian noninstitutional population). Based on a supplement to the National Health Interview Survey; Appendix III. See also tables 42, 43, 185, and 608]

FUNCTIONAL LIMITATION	Persons 65 years and over	AGE							LIVING—
		65–74 years old			75–84 years old			85 years and over	Alone
		Total	Male	Female	Total	Male	Female		
Total, 65 years and over	**26,433**	**16,288**	**7,075**	**9,213**	**8,249**	**3,128**	**5,121**	**1,897**	**8,397**
Percent with difficulty [1] in—									
Walking	18.7	14.2	12.9	15.1	22.9	18.3	25.7	39.9	20.4
Getting outside	9.6	5.6	4.5	6.5	12.3	7.5	15.3	31.3	9.7
Bathing or showering	9.8	6.4	5.7	6.9	12.3	9.2	14.2	27.9	9.9
Transferring [2]	8.0	6.1	4.8	7.0	9.2	6.0	11.2	19.3	8.8
Dressing	6.2	4.3	4.4	4.2	7.6	7.3	7.7	16.6	5.0
Using toilet	4.3	2.6	2.4	2.7	5.4	3.6	6.5	14.1	3.4
Eating	1.8	1.2	1.5	.9	2.5	2.5	2.4	4.4	1.2
Preparing meals	7.1	4.0	3.0	4.8	8.8	6.0	10.5	26.1	6.0
Shopping for personal items	11.3	6.4	4.6	7.8	15.0	9.6	18.4	37.0	11.9
Managing money	5.1	2.2	2.8	1.8	6.3	5.4	6.8	24.0	4.0
Using the telephone	4.8	2.7	3.5	2.0	6.0	7.9	4.8	17.5	2.6
Doing heavy housework	23.8	18.6	11.2	24.3	28.7	15.9	36.4	47.8	28.0
Doing light housework	7.1	4.3	3.5	5.0	8.9	6.2	10.5	23.6	6.6
Percent not performing activity—									
Preparing meals	5.2	4.6	9.8	.5	5.5	12.0	1.6	8.9	1.1
Shopping for personal items	2.0	1.1	1.9	.5	2.5	2.9	2.3	7.5	2.2
Managing money	1.9	1.3	1.6	1.1	2.2	2.1	2.2	5.9	.8
Using the telephone	.8	.5	.8	.3	.9	1.4	.6	2.1	.8
Doing heavy housework	9.7	8.1	12.7	4.6	11.5	16.3	8.6	15.9	7.1
Doing light housework	3.5	2.8	6.1	.3	4.0	7.8	1.7	7.1	.7
Percent of total receiving help [3]—									
Walking	4.7	2.9	2.8	2.9	5.7	3.7	6.9	15.3	2.4
Getting outside	5.3	2.7	2.2	3.1	6.9	3.7	8.8	21.2	4.1
Bathing or showering	6.0	3.3	3.3	3.3	7.7	6.6	8.4	21.0	3.6
Transferring [2]	2.8	1.8	1.7	1.8	3.6	2.7	4.1	9.0	1.0
Dressing	4.3	2.9	3.3	2.7	5.1	5.7	4.7	13.3	1.7
Using toilet	2.2	1.2	1.4	1.1	2.9	2.3	3.2	8.2	.7
Eating	1.1	.6	.9	.5	1.5	1.8	1.4	2.7	.3
Preparing meals	6.0	3.3	2.8	3.7	7.1	5.4	8.2	23.7	3.6
Shopping for personal items	10.5	5.8	4.3	6.9	14.1	8.9	17.2	35.9	10.4
Managing money	4.8	2.1	2.6	1.7	5.8	5.0	6.3	23.5	3.6
Using the telephone	3.0	1.5	2.0	1.1	3.9	5.0	3.2	11.7	.9
Doing heavy housework	19.3	14.5	9.3	18.5	23.1	12.7	29.4	44.1	20.1
Doing light housework	6.2	3.5	3.2	4.0	7.6	5.7	8.7	21.6	4.5
Percent of those with difficulty [1] receiving help [3]—									
Walking	24.8	20.4	21.8	19.4	24.9	20.2	26.9	38.3	11.8
Getting outside	55.8	48.0	49.4	47.3	55.7	49.4	57.5	68.0	42.0
Bathing or showering	60.9	51.9	58.4	47.9	62.6	71.6	59.1	75.1	36.5

[1] Difficulty due to a health or physical problem. [2] Getting in or out of a bed or chair. [3] Receiving help due to a heal related problem with the specified difficulty.

Source: U.S. National Center for Health Statistics, *Aging in the Eighties: Functional Limitations of Individuals Age 65 Years a Over*, June 1987, and unpublished data from the Supplement on Aging to the 1984 National Health Interview Surve

NO. 187. PERSONS WITH KNOWN CASE OF DIABETES, BY SELECTED CHARACTERISTICS: 1986

[Covers civilian noninstitutional population 18 years old and over. Annual average. Based on subsamples of households in the National Health Interview Survey; see Appendix III]

SEX AND RACE	NUMBER (1,000)				RATE PER 1,000 POPULATION		
	Total	Under 45 years	45–64 years	65 years and over	Total	Under 45 years	45–64 years
Total persons with known diabetes [1]	**6,585**	**1,029**	**2,848**	**2,707**	**27.9**	**6.3**	**63.7**
Male	2,949	363	1,459	1,127	25.8	4.4	68.5
Female	3,636	667	1,389	1,580	29.8	8.1	59.4
White	5,478	890	2,326	2,262	27.4	6.5	59.7
Black	1,007	139	472	396	35.3	[2] 6.4	105.1

[1] Includes other races not shown separately. [2] Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, unpublished data.

No. 188. Cancer—Estimated New Cases, 1988, and Survival Rates, 1974–1976 and 1979–1984

[Five-year survival rates represent the number of persons who live at least five years after a disease is diagnosed per 100 persons diagnosed with the disease in a given time period. Survival data shown are based on those patients diagnosed while residents of an area listed below during the time periods shown. Data are based on information collected as part of the National Cancer Institute's Surveillance, Epidemiology and End Results (SEER) program, a collection of population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound, and San Francisco-Oakland]

SITE	ESTIMATED NEW CASES,[1] 1988 (1,000)			FIVE-YEAR RELATIVE SURVIVAL RATES (percent)					
				All races [2]		White		Black	
	Total	Male	Female	1974–1976	1979–1984	1974–1976	1979–1984	1974–1976	1979–1984
All sites [3]	**985**	**495**	**490**	**49**	**49**	**50**	**50**	**38**	**37**
Lung	152	100	52	12	13	12	13	11	11
Breast	136	1	135	[4] 74	[4] 74	[4] 74	[4] 75	[4] 62	[4] 62
Colon	105	49	56	50	54	50	54	45	49
Prostate	99	99	(x)	66	71	67	73	56	60
Bladder	46	34	12	72	76	73	77	47	57
Rectum	42	22	20	48	50	48	51	41	34
Corpus uteri	34	(x)	34	88	82	88	83	61	52
Non-Hodgkin's lymphoma [5]	32	16	16	47	49	47	49	47	49
Oral cavity and pharynx	30	20	10	53	51	54	54	35	31
Melanoma of skin	27	15	13	78	80	78	80	62	60
Pancreas	27	13	14	3	3	3	3	2	5
Leukemia [5]	27	15	12	33	31	34	32	30	27
Stomach	25	15	10	14	17	14	16	15	17
Kidney	22	14	8	51	51	51	51	49	53
Ovary	19	(x)	19	36	38	36	37	41	36
Cervix uteri [6]	13	(x)	13	68	66	69	67	61	59

X Not applicable. [1] Estimates provided by American Cancer Society are based on rates from the National Cancer Institute's SEER program 1982–1984. [2] Includes other races, not shown separately. [3] Includes other sites, not shown separately. [4] Female only. [5] All types combined. [6] Invasive cancer only.

Source: U.S. National Institutes of Health, National Cancer Institute, *Annual Cancer Statistics Review*, Jan. 1988.

No. 189. Women Who Knew How To Do Breast Self-Examination and Women Who Had a Breast Examination or PAP Smear—Selected Characteristics: 1985

[**In percent, except as indicated.** For women **18 years of age and older.** Based on National Health Interview Survey, see Appendix III]

CHARACTERISTIC	Number of women (1,000)	BREAST SELF-EXAMINATION		Had a breast exam [2]	Had a PAP smear [2]
		Knew how to do	Did [1]		
Total [3]	**90,192**	**87.0**	**37.3**	**50.3**	**45.6**
AGE					
18 to 29 years old	24,756	86.0	31.3	60.2	60.1
30 to 44 years old	26,201	91.6	38.1	52.1	50.5
45 to 64 years old	23,297	89.1	41.8	45.2	37.7
65 years old and over	15,939	77.7	38.8	39.0	25.3
RACE					
White	77,657	87.9	36.2	49.5	44.7
Black	10,333	83.6	46.4	57.0	52.9
HISPANIC ORIGIN					
Hispanic	5,390	75.4	35.7	49.5	47.1
Non-Hispanic	84,430	87.7	37.3	50.4	45.6
REGION [4]					
Northeast	19,605	85.1	36.7	51.9	45.1
Midwest	23,164	89.5	35.5	49.0	44.9
South	30,749	85.7	39.6	50.8	46.4
West	16,674	88.1	36.3	49.4	45.9
MARITAL STATUS					
Currently married	56,191	90.2	38.5	52.7	48.7
Formerly married	19,561	82.2	37.7	44.2	35.9
Never married	14,337	80.8	31.4	49.2	46.5
EDUCATION					
Less than 12 years	22,244	76.4	39.4	41.7	34.9
12 years	37,740	89.5	36.0	50.0	45.8
More than 12 years	29,942	91.8	37.5	57.0	53.2
13 to 15 years	16,919	90.1	36.7	54.6	50.8
16 or more years	13,023	94.1	38.5	60.3	56.4
EMPLOYMENT STATUS					
Currently employed	47,264	90.3	36.6	53.9	51.0
Unemployed	3,178	88.7	36.3	51.2	49.9
Not in labor force	39,751	82.8	38.2	46.0	38.8
FAMILY INCOME					
Less than $10,000	16,137	77.8	39.7	43.4	37.4
$10,000 to $19,999	19,100	87.6	36.7	47.7	42.9
$20,000 to $34,999	23,082	90.6	34.6	53.1	48.9
$35,000 to $49,999	12,275	92.5	38.9	54.4	51.7
$50,000 or more	8,106	92.3	40.9	60.0	52.6

[1] At least 12 times a year. [2] In the past year. [3] Includes persons with unknown characteristics and other races not shown separately. [4] For composition of regions, see fig. I, inside front cover.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, No. 163.

No. 190. Personal Health Practices, by Selected Characteristic: 1985

[**In percent.** For persons 18 years of age and over. Based on National Health Interview Survey; see Appendix III]

CHARACTERISTIC	Sleeps 6 hours or less	Never eats break-fast	Snacks every day	Less phys-ically active than contem-poraries	Had 5 or more drinks on any one day [1]	Current smoker	30 percent or more above desirable weight [2]
All persons [3]	**22.0**	**24.3**	**39.0**	**16.4**	**37.5**	**30.1**	**13.**
AGE							
18-29 years old	19.8	30.4	42.2	17.1	54.4	31.9	7.5
30-44 years old	24.3	30.1	41.4	18.3	39.0	34.5	13.
45-64 years old	22.7	21.4	37.9	15.3	24.6	31.6	18.1
65 years old and over	20.4	7.5	30.7	13.5	12.2	16.0	13.2
65-74 years old	19.7	9.0	32.4	15.8	(NA)	19.7	14.
75 years old and over	21.5	5.1	27.8	9.8	(NA)	10.0	10.
SEX							
Male	22.7	25.2	40.7	16.5	49.3	32.6	12.1
Female	21.4	23.6	37.5	16.3	23.3	27.8	13.7
RACE							
White	21.3	24.5	39.4	16.7	38.3	29.6	12.4
All other	26.6	23.2	36.3	14.3	29.9	33.1	16.4
Black	27.8	23.6	37.2	13.9	29.3	34.9	18.7
Other	21.4	21.5	32.6	16.5	33.3	24.8	8.7
EDUCATION LEVEL							
Less than 12 years	23.3	22.6	37.8	12.3	35.9	35.4	17.5
12 years	21.9	26.5	39.6	16.5	38.9	33.4	13.4
More than 12 years	21.2	23.3	39.2	19.1	36.8	23.1	9.4
FAMILY INCOME							
Less than $7,000	24.4	22.4	37.0	13.5	(NA)	31.1	16.1
$7,000 to $14,999	21.6	22.9	37.4	14.7	(NA)	33.4	15.3
$15,000 to $24,999	21.2	24.9	40.3	16.8	(NA)	32.2	13.4
$25,000 to $39,999	22.4	26.1	41.2	17.2	(NA)	30.0	12.
$40,000 or more	21.8	25.4	39.9	19.4	(NA)	25.2	9.4

NA Not available. [1] Percent of drinkers who had 5 or more drinks on any one day in the past year. [2] Based on 196 Metropolitan Life Insurance Company standards. Data are self-reported. [3] Excludes persons whose health practices are unknown.

Source: U.S. National Center for Health Statistics, *Health Promotion and Disease Prevention, United States 1985*, series 10, No 163 and unpublished data.

No. 191. Drug Use, by Type of Drug and Age Group: 1974 and 1985

[Current users are those who used drugs at least once within month prior to this study. For **1985**, based on national samples of 8,038 respondents residing in households. Subject to sampling variability; see source]

TYPE OF DRUG	PERCENT OF PERSONS 12-17 YEARS OLD				PERCENT OF PERSONS 18-25 YEARS OLD				PERCENT OF PERSONS 26 YEARS OLD AND OVER		
	Ever used		Current user		Ever used		Current user		Ever used		Current user
	1974	**1985**	**1974**	**1985**	**1974**	**1985**	**1974**	**1985**	**1974**	**1985**	**1974**
Marihuana	23.0	23.7	12.0	12.3	52.7	60.5	25.2	21.9	9.9	27.2	2.0
Inhalants	8.5	9.1	.7	3.4	9.2	12.8	(Z)	.9	1.2	5.0	(Z)
Hallucinogens	6.0	3.2	1.3	1.1	16.6	11.5	2.5	1.6	1.3	6.2	(Z)
Cocaine	3.6	5.2	1.0	1.8	12.7	25.2	3.1	7.7	.9	9.5	(Z)
Heroin	1.0	(Z)	(Z)	(Z)	4.5	1.2	(Z)	(Z)	.5	1.1	(Z)
Analgesics [1]	(NA)	5.9	(NA)	1.9	(NA)	11.4	(NA)	2.1	(NA)	5.6	(NA)
Stimulants [1]	5.0	5.5	1.0	1.8	17.0	17.3	3.7	4.0	3.0	7.9	(Z)
Sedatives [1]	5.0	4.0	1.0	1.1	15.0	11.0	1.6	1.7	2.0	5.2	(Z)
Tranquilizers [1]	3.0	4.8	1.0	.6	10.0	12.2	1.2	1.7	2.0	7.1	(Z)
Alcohol	54.0	55.9	34.0	31.5	81.6	92.8	69.3	71.5	73.2	89.3	54.5
Cigarettes	52.0	45.3	25.0	15.6	68.8	76.0	48.8	37.2	65.4	80.5	39.1

NA Not available. Z Less than .5 percent. [1] Nonmedical use.

Source: U.S. National Institute on Drug Abuse, *National Household Survey on Drug Abuse*, Population Estimates 198

No. 192. Cigarette Smoking by Sex and Age: 1970 to 1985

[1970 and **1980, civilian noninstitutional population, 17 years old and over; 1983, 18 years old and over; 1985, 20 years old and over.** Based on National Health Interview Survey; see Appendix III. Smoking data were obtained from self-respondents only]

YEAR, SEX AND AGE	Unit	Total population [1]	Persons who never smoked	Persons who ever smoked [2]	Former smokers	PRESENT SMOKERS Total [3]	PRESENT SMOKERS Cigarettes smoked per day (heaviest amount) Under 15	15–24	25 or more
1970: Both sexes	**1,000**	**133,132**	**59,675**	**72,678**	**23,859**	**48,819**	**15,517**	**20,628**	**10,963**
Percent of total	Percent	100.0	44.8	54.6	17.9	36.7	11.7	15.5	8.2
Male	1,000	62,310	19,144	42,773	15,861	26,912	7,163	11,458	7,119
Percent of total	Percent	100.0	30.7	68.6	25.5	43.2	11.5	18.4	11.4
Female	1,000	70,822	40,531	29,905	7,998	21,907	8,354	9,170	3,844
Percent of total	Percent	100.0	57.2	42.2	11.3	30.9	11.8	12.9	5.4
1980: Both sexes [4]	**1,000**	**160,798**	**74,086**	**85,572**	**33,130**	**52,442**	**15,200**	**21,806**	**14,745**
Percent of total	Percent	100.0	46.1	53.2	20.6	32.6	9.5	13.6	9.2
Male	1,000	75,970	26,906	48,423	20,672	27,751	6,589	11,543	9,145
Female	1,000	84,828	47,180	37,149	12,458	24,690	8,611	10,262	5,600
1983: Both sexes	**1,000**	**166,714**	**76,794**	**89,684**	**36,210**	**53,473**	**15,361**	**23,400**	**13,650**
Percent of total	Percent	100.0	46.1	53.8	21.7	32.1	9.2	14.0	8.2
Male	1,000	78,727	28,770	49,799	22,232	27,567	6,508	11,807	8,735
Female	1,000	87,987	48,024	39,885	13,978	25,907	8,853	11,593	4,915
1985: Both sexes	**1,000**	**163,693**	**71,590**	**88,710**	**39,918**	**48,792**	**14,982**	**20,267**	**13,121**
Percent of total	Percent	100.0	43.7	54.2	24.4	29.8	9.2	12.4	8.0
Male	**1,000**	**77,187**	**26,293**	**49,107**	**24,086**	**25,021**	**6,421**	**10,193**	**8,179**
Percent of total	Percent	100.0	34.1	63.6	31.2	32.4	8.3	13.2	10.6
20–24 years	1,000	9,768	5,463	4,005	1,068	2,937	1,023	1,405	501
25–44 years	1,000	35,100	12,687	21,636	8,610	13,026	3,256	5,237	4,454
45–64 years	1,000	21,215	5,104	15,637	8,707	6,931	1,461	2,719	2,708
65 years and over	1,000	11,105	3,036	7,828	5,702	2,127	682	833	516
Female	**1,000**	**86,505**	**45,297**	**39,602**	**15,831**	**23,771**	**8,561**	**10,074**	**4,942**
Percent of total	Percent	100.0	52.4	45.8	18.3	27.5	9.9	11.6	5.7
20–24 years	1,000	10,365	5,720	4,387	1,100	3,287	1,548	1,345	388
25–44 years	1,000	36,904	18,235	18,062	6,523	11,539	3,905	4,825	2,739
45–64 years	1,000	23,297	11,153	11,746	4,903	6,642	2,239	2,997	1,540
65 years and over	1,000	15,939	10,190	5,408	3,305	2,103	868	907	275

[1] Includes persons for whom smoking status is unknown. [2] Excludes smokers with unknown present smoking status. [3] Includes smokers for whom the number of cigarettes smoked per day is unknown. [4] Estimates are based on data collected for 2 quarters, July–December, 1980.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, vol. 21, No. 3 supplement, June 1972; and unpublished data.

No. 193. Cumulative Percent Distribution of Population by Height and Sex: 1976–1980

[For persons 18 to 74 years old. Height was measured without shoes. Based on sample and subject to sampling variability; see source]

HEIGHT	MALES 18–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65–74 years	FEMALES 18–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65–74 years
Percent under—												
4'8"	-	-	-	-	-	-	.05	-	.10	.28	.46	1.04
4'9"	-	-	-	-	-	-	.43	.23	.34	.35	1.07	2.27
4'10"	-	-	-	-	-	-	.94	.64	.95	1.22	3.02	4.23
4'11"	-	-	-	-	-	-	2.22	1.65	1.94	4.20	6.43	9.33
5'	.18	.05	.27	-	.27	.24	4.22	3.65	4.56	8.88	11.40	17.20
5'1"	.18	.31	.34	.19	.72	1.22	9.13	8.60	7.75	16.16	19.70	29.00
5'2"	.34	.42	.87	.70	.92	2.66	17.75	19.11	18.24	27.68	31.71	44.34
5'3"	.61	.54	2.07	1.50	2.78	5.97	29.06	32.96	33.11	39.83	45.87	59.15
5'4"	2.37	1.55	3.68	2.55	5.28	10.53	41.81	47.43	49.90	57.21	63.89	76.44
5'5"	3.85	4.36	6.36	5.72	9.29	18.31	58.09	61.36	63.88	70.47	77.44	86.97
5'6"	8.24	9.51	12.39	11.39	17.54	29.42	74.76	74.92	78.07	84.64	88.91	94.63
5'7"	16.18	15.25	17.63	21.24	29.10	41.63	85.37	85.65	87.95	91.21	94.56	97.86
5'8"	26.68	26.69	26.40	33.56	43.53	57.75	92.30	93.28	93.43	96.28	97.70	99.20
5'9"	38.89	39.68	42.52	50.39	58.21	69.96	96.23	97.19	97.18	98.17	99.36	99.81
5'10"	53.66	55.35	57.01	63.38	71.51	81.95	98.34	99.49	99.19	99.58	99.78	99.92
5'11"	68.25	69.67	70.70	76.94	83.09	89.59	99.38	99.66	99.39	99.84	99.81	100.00
6'	80.14	81.58	81.15	85.83	90.99	94.52	-	-	-	-	-	-
6'1"	88.54	89.95	90.04	93.43	96.28	97.82	-	-	-	-	-	-
6'2"	92.74	95.57	95.05	98.01	97.68	99.17	-	-	-	-	-	-
6'3"	96.17	97.98	97.82	99.35	98.90	99.86	-	-	-	-	-	-
6'4"	98.40	99.23	99.19	99.70	99.79	100.00	-	-	-	-	-	-

- Represents or rounds to zero.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 11, No. 238.

NO. 194. PER CAPITA CONSUMPTION OF MAJOR FOOD COMMODITIES: 1970 TO 1987

[**In pounds, retail weight except as indicated.** Consumption represents the residual after exports, nonfood use and end stocks are subtracted from the sum of beginning stocks, domestic production, and imports. Based on Bureau of the population estimates. For similar but unrevised data, see *Historical Statistics, Colonial Times to 1970,* series G

COMMODITY	1970	1975	1980	1981	1982	1983	1984	1985	1986
Red meat, total	162.8	153.9	156.9	154.4	147.0	152.3	151.9	152.8	148.9
Beef	84.4	88.0	76.4	77.1	76.8	78.2	78.1	78.8	78.4
Veal	2.5	3.4	1.5	1.6	1.7	1.6	1.8	1.8	1.9
Lamb and mutton	2.9	1.8	1.4	1.4	1.5	1.5	1.5	1.4	1.4
Pork (excluding lard)	61.9	50.5	68.1	64.9	58.5	61.9	61.5	62.0	58.6
Offals, edible	11.2	10.2	9.5	9.4	8.6	9.1	9.1	8.8	8.7
Fish and shellfish (edible weight)[1]	11.8	12.2	12.8	12.9	12.3	13.1	13.7	14.4	14.7
Fresh and frozen	6.9	7.5	8.0	7.8	7.7	8.0	8.3	9.0	9.0
Canned	4.5	4.3	4.5	4.8	4.3	4.8	4.9	5.1	5.4
Tuna	2.5	2.9	2.9	3.1	2.7	3.1	3.2	3.3	3.6
Cured	.4	.4	.3	.3	.3	.3	.3	.3	.3
Poultry products:									
Chicken (ready-to-cook)	40.1	39.9	49.8	51.3	52.7	53.4	55.2	57.6	58.7
Turkey (ready-to-cook)	8.1	8.5	10.5	10.7	10.8	11.2	11.3	12.1	13.3
Eggs (farm weight) (number)	309	276	271	264	264	260	259	253	250
Dairy products:									
Total (milk equivalent)	563.9	539.4	543.4	540.9	555.5	572.4	581.2	592.7	590.6
Fluid milk and cream[2]	275.1	261.2	246.4	240.6	235.7	236.1	236.0	238.5	237.5
Plain and flavored whole milk	219.1	181.1	147.0	139.6	134.1	130.8	126.6	122.7	115.4
Lower fat milk, total	50.0	72.7	91.2	92.9	93.1	95.9	99.1	104.6	110.4
Low-fat milk (2% and 1% fat)	29.8	53.2	70.2	72.0	72.8	74.2	77.3	81.7	86.6
Skim milk	11.6	11.5	11.7	11.2	10.6	10.6	11.5	12.5	13.3
Buttermilk	5.5	4.7	4.1	4.0	4.1	4.3	4.4	4.4	4.2
Flavored drink	3.0	3.3	5.3	5.6	5.5	6.8	6.0	6.0	6.3
Cream[3]	3.8	3.3	3.4	3.4	3.5	3.6	4.0	4.3	4.6
Yogurt	.8	2.0	2.6	2.5	2.6	3.2	3.7	4.0	4.3
Sour cream and dip	1.1	1.6	1.8	1.8	1.9	2.1	2.2	2.3	2.3
Condensed and evaporated milk:									
Whole milk	7.0	5.2	3.8	4.0	4.0	3.8	3.7	3.7	3.6
Skim milk	5.0	3.5	3.3	3.2	3.0	3.2	3.7	3.8	4.3
Cheese[4]	11.4	14.3	17.5	18.2	19.9	20.5	21.4	22.5	23.0
American	7.0	8.2	9.6	10.2	11.3	11.6	11.8	12.1	12.1
Cheddar	5.9	6.0	6.9	7.0	8.7	9.1	9.5	9.7	9.7
Italian	2.1	3.2	4.4	4.5	4.8	5.3	5.8	6.4	7.0
Mozzarella	1.2	2.1	3.0	3.0	3.3	3.7	4.0	4.6	5.2
Other[5]	2.3	2.9	3.4	3.5	3.7	3.7	3.8	3.9	4.0
Swiss	.9	1.1	1.3	1.3	1.3	1.3	1.2	1.3	1.3
Cream and Neufchatel	.6	.7	1.0	1.1	1.1	1.2	1.2	1.2	1.3
Cottage cheese	5.2	4.7	4.5	4.3	4.2	4.1	4.1	4.1	4.1
Ice cream (product weight)	17.8	18.6	17.5	17.4	17.6	18.0	18.1	18.1	18.4
Fats and oils:									
Total, fat content only[6]	52.6	52.3	57.2	57.7	58.2	60.0	58.6	64.0	64.1
Butter (product weight)	5.4	4.7	4.5	4.2	4.3	4.9	4.9	4.9	4.6
Margarine (product weight)	10.8	11.0	11.3	11.1	11.0	10.4	10.4	10.8	11.4
Lard (direct use)	4.6	2.9	2.6	2.5	2.5	2.1	2.1	1.8	1.7
Edible tallow (direct use)	-	-	1.1	1.0	1.3	2.1	1.7	1.9	1.8
Shortening	17.3	17.0	18.2	18.5	18.6	18.5	21.2	22.8	22.0
Salad and cooking oils	15.4	17.9	21.2	21.8	21.8	23.5	19.8	23.5	24.1
Other edible fats and oils	2.3	2.0	1.5	1.7	1.6	1.6	1.7	1.6	1.7
Grains:									
Wheat flour[7]	110.8	114.5	116.8	115.8	116.7	117.4	118.1	123.3	123.6
Rice, milled[8]	6.7	7.6	9.4	11.0	11.8	9.7	8.6	9.1	11.6
Pasta	7.7	9.7	10.0	10.0	9.9	10.5	11.3	12.9	14.4
Breakfast cereals	10.8	12.0	12.9	13.0	13.1	13.4	14.0	14.4	14.8
Ready to eat	8.3	9.0	9.8	9.9	10.0	10.2	10.6	11.0	11.3
Ready to cook	2.4	2.9	3.1	3.1	3.2	3.2	3.4	3.4	3.5
Sweeteners, total (dry weight)[9]	128.3	124.1	132.7	133.3	132.5	137.5	142.4	148.9	147.2
Sugar, refined cane and beet[10]	101.8	89.2	83.6	79.3	73.6	70.9	67.3	63.0	60.2
Corn sweeteners (dry weight)	19.2	27.5	40.2	44.5	48.1	52.1	57.8	66.5	67.1
High fructose	1.0	7.0	27.0	32.7	37.5	43.2	48.7	60.1	60.9
Non-caloric sweeteners (sugar sweetness equivalent)[11]	5.8	6.1	7.7	8.2	9.4	13.0	15.8	18.0	18.5
Saccharin	5.8	6.1	7.7	8.0	8.4	9.5	10.0	6.0	5.5
Aspartame	-	-	-	.2	1.0	3.5	5.8	12.0	13.0
Other:									
Cocoa beans	3.9	3.2	3.4	3.6	3.7	4.0	4.3	4.6	4.8
Coffee (green beans)	13.6	12.2	10.3	10.3	10.2	10.2	10.1	10.2	10.2
Peanuts (shelled)	5.5	6.0	4.8	5.5	5.9	5.9	6.0	6.3	6.4
Food consumption index (1982-84=100)	96.4	97.1	98.8	98.4	98.1	100.1	101.8	104.0	104.8

- Represents zero. [1] Excludes consumption from recreational fishing, approximately 3 to 4 pounds per capita. [2] milk figures are aggregates of commercial sales and milk produced and consumed on farms. [3] Heavy cream, light cream, half and half. [4] Excludes cottage, pot, and baker's cheese. [5] Includes other cheeses, not shown separately. [6] The content of butter and margarine is 80 percent of product weight. [7] White, whole wheat, semolina, and durum flour. [8] crop year beginning in previous year. [9] Includes edible syrups (maple, molasses, etc.) and honey, not shown

[10] Beginning 1982, includes small amount of refined sugar contained in imported blends and mixtures, including blends, sugar-sweetened tea mixes, and flavored syrups in consumer size containers. [11] Assumes saccharin is 300 sweet as sugar and aspartame 200 times as sweet as sugar. Includes cyclamate which was banned by U.S. Food and Administration effective in 1970.

Source: U.S. Department of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures,* forthcoming.

No. 195. Fruit and Vegetable Consumption Per Capita: 1970 to 1987

[In pounds. See headnote, table 194]

COMMODITY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
FRUITS										
Fresh fruits, total (retail weight)	76.9	81.5	86.4	83.1	83.7	88.4	87.8	86.3	93.2	98.6
Noncitrus [1]	49.0	53.2	58.5	59.0	59.8	60.0	64.6	63.7	66.6	71.5
Bananas	17.4	17.6	20.8	21.5	22.5	21.2	22.1	23.4	25.7	24.9
Apples	16.2	18.2	18.3	16.1	17.1	17.6	17.6	16.6	17.3	20.3
Grapes	2.5	2.9	3.3	3.4	4.9	4.9	5.6	6.6	6.9	6.5
Citrus [1 2]	27.8	28.4	27.9	24.1	23.9	28.3	23.2	22.3	26.6	27.2
Oranges	15.7	15.4	15.4	13.2	12.3	15.6	12.4	12.0	14.1	13.9
Grapefruit	7.9	8.1	7.8	6.7	7.3	7.8	6.1	5.6	5.6	6.5
Canned [3]	14.4	11.8	10.7	10.0	9.7	9.2	8.9	8.4	8.4	8.7
Dried [4]	2.5	2.7	2.2	2.4	2.7	2.8	2.8	2.9	3.0	3.1
Citrus fruit juices [4]	31.7	45.8	44.6	42.1	44.2	48.6	42.0	45.7	48.8	46.5
Frozen (single-strength equivalent)	21.9	35.0	33.8	33.2	36.9	41.6	35.6	40.3	43.1	40.0
Orange	20.7	32.8	31.8	30.1	33.2	38.7	33.4	36.1	39.7	35.8
Canned [5]	5.2	5.2	5.0	4.8	3.9	2.9	2.8	2.2	2.0	2.0
Chilled (single-strength equivalent)	4.6	5.6	5.8	4.1	3.5	4.1	3.6	3.2	3.7	4.4
VEGETABLES [6]										
Selected fresh vegetables (retail weight) [7]	64.0	66.6	72.8	71.5	74.2	74.7	78.8	78.8	79.9	78.6
Lettuce	20.8	21.9	24.9	23.9	23.8	23.8	24.2	23.2	21.6	21.1
Onions	11.6	12.6	12.9	12.3	14.3	14.4	15.1	15.6	15.7	15.3
Tomatoes	10.3	10.2	11.4	11.2	11.4	11.6	13.0	13.7	14.6	14.2
Selected vegetables for processing [8]	92.4	90.8	92.8	88.5	86.8	88.5	95.5	92.1	91.1	91.8
Tomatoes for processing [9]	52.8	52.6	54.1	50.4	51.0	51.7	58.1	53.6	53.9	54.9
Cucumbers for pickling	5.2	5.7	5.1	5.2	5.3	5.3	5.3	5.3	4.8	4.7
Other vegetables for canning [10]	22.0	19.4	19.9	19.3	17.8	17.7	15.8	17.3	17.6	16.2
Vegetables for freezing [11]	12.5	13.1	13.6	13.6	12.7	13.8	16.2	15.8	14.7	16.0
Dry edible beans	6.3	6.5	5.4	5.4	6.5	6.7	5.1	6.9	6.7	7.9
Sweet potatoes (retail weight) [12]	5.0	4.9	4.3	4.1	4.8	4.4	4.3	5.0	4.4	4.1
White potatoes:										
Fresh	59.8	50.5	49.0	43.8	44.8	47.9	46.8	44.7	47.6	42.3
Frozen	12.2	17.5	17.9	19.1	20.0	19.1	20.7	22.0	22.0	22.5
Chips and shoestrings	4.3	3.8	4.1	4.1	4.2	4.4	4.4	4.3	4.4	4.6
Canned	1.2	1.3	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.1
Dehydrated	1.7	2.1	1.3	1.5	1.4	1.4	1.4	1.6	1.5	1.4

[1] Includes other fruits not shown separately. [2] For crop year beginning in previous year. [3] Excludes apples, applesauce, cranberries, pineapples, and citrus sections. [4] For pack year. [5] Excludes canned concentrate (hot pack) and tangerine juice. [6] Excludes production from home gardens. [7] Includes asparagus, broccoli, carrots, cauliflower, celery, and sweet corn, not shown separately. [8] Fresh equivalent. [9] Used in such processed products as ketchup, canned tomatoes, tomato paste, tomato puree, and tomato juice. [10] Includes asparagus, carrots, green peas, snap beans, and sweet corn. [11] Includes asparagus, broccoli, carrots, cauliflower, green peas, snap beans, and sweet corn. [12] Includes processed sweet potatoes on a fresh-equivalent basis.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices and Expenditures*, annual; and unpublished data.

No. 196. Per Capita Consumption of Beverages, by Type: 1970 to 1987

[See headnote, table 194]

COMMODITY	AMOUNT (gallons)									PERCENT DISTRIBUTION			
	1970	1975	1980	1982	1983	1984	1985	1986	1987	1970	1975	1980	1986
Nonalcoholic [1]	96.1	96.1	94.3	92.2	92.5	91.9	94.7	96.0	(NA)	100.0	100.0	100.0	100.0
Milk	31.2	29.5	27.6	26.4	26.3	26.2	26.4	26.3	25.9	32.5	30.7	29.3	27.4
Whole (plain and flavored)	25.4	21.0	17.1	15.6	15.2	14.7	14.3	13.4	12.8	26.4	21.9	18.1	14.0
Lowfat milk	5.8	8.4	10.6	10.8	11.1	11.5	12.1	12.8	13.2	6.0	8.7	11.2	13.3
Tea	6.8	7.5	7.3	6.9	6.9	7.0	7.1	7.0	7.0	7.1	7.8	7.7	7.3
Coffee	33.4	31.4	26.8	26.7	26.6	26.5	26.7	26.7	26.5	34.8	32.7	28.4	27.8
Soft drinks	20.8	22.2	27.1	26.9	26.9	27.2	29.1	30.3	(NA)	21.6	23.1	28.7	31.6
Juices [1]	3.9	5.5	5.4	5.3	5.8	5.0	5.4	5.8	5.5	4.1	5.7	5.7	6.0
Citrus	3.6	5.2	5.1	5.1	5.6	4.8	5.2	5.6	5.3	3.7	5.4	5.4	5.8
Noncitrus	.3	.3	.3	.2	.2	.2	.2	.2	.2	.3	.3	.3	.2
Alcoholic (adult population)	35.7	39.7	42.8	42.3	41.7	41.1	40.5	40.6	40.1	100.0	100.0	100.0	100.0
Beer	30.6	33.9	36.6	36.2	35.6	35.0	34.5	34.7	34.4	85.7	85.4	85.5	85.5
Wine	2.2	2.7	3.2	3.3	3.3	3.4	3.5	3.5	3.4	6.2	6.8	7.5	8.6
Distilled spirits	3.0	3.1	3.0	2.8	2.7	2.6	2.5	2.4	2.3	8.4	7.8	7.0	5.9

NA Not available. [1] Excludes vegetable juices.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures*, annual; and unpublished data.

No. 197. Nutrition—Nutrients in Foods Available for Civilian Consumption per Capita per Day and Indexes: 1960 to 1985

[Computed by Human Nutrition Information Service (HNIS), USDA. Based on estimates of per capita food consumption (retail weight) by the Economic Research Service (ERS), on imputed consumption data for foods no longer reported by ERS, and on HNIS estimates of quantities of produce from home gardens. No deduction is made in food supply estimates for loss of food or nutrients in further processing, in marketing, or in the home. Data include iron, thiamin, riboflavin, niacin, vitamin A, vitamin B, vitamin B₁₂, and ascorbic acid added by enrichment and fortification. Minus sign (–) indicates decrease. See *Historical Statistics, Colonial Times to 1970*, series G 851-856 for related details]

NUTRIENT	Unit	1960	1970	1975	1980	1982	1983	1984	1985	PERCENT CHANGE 1960–1970	PERCENT CHANGE 1970–1980
Food energy	Calories	3,100	3,300	3,200	3,400	3,400	3,400	3,400	3,500	6.4	3.0
Protein	Grams	96	99	98	99	100	101	102	104	3.1	–
Total fat [1]	Grams	143	155	149	158	159	162	162	169	8.4	1.9
Saturated fat	Grams	60	59	54	58	58	59	60	61	–1.7	–1.7
Monounsaturated fat	Grams	58	64	61	63	63	65	65	68	10.3	–1.6
Polyunsaturated fat	Grams	20	27	27	31	31	32	30	33	35.0	14.8
Cholesterol	Milligrams	560	540	500	500	490	500	500	500	–3.6	–7.4
Carbohydrate	Grams	377	380	381	392	398	397	401	413	.8	3.2
Vitamin A	Int'l. units	7,100	8,000	9,000	9,100	9,100	9,300	9,600	9,700	12.7	13.8
Vitamin A	Retinol equivalents	1,290	1,450	1,540	1,540	1,540	1,560	1,590	1,610	12.4	6.2
Carotenes	Retinol equivalents	420	470	590	590	600	610	640	660	11.9	25.5
Vitamin E	Milligram α-TE [2]	11.6	13.5	14.1	14.5	15.0	15.3	14.9	16.1	16.4	7.4
Ascorbic acid	Milligrams	100	103	111	110	110	115	111	115	3.0	6.8
Thiamin	Milligrams	1.9	2.0	2.0	2.2	2.2	2.2	2.2	2.2	5.3	10.0
Riboflavin	Milligrams	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	–	4.5
Niacin	Milligrams	21	23	23	24	25	25	25	26	9.5	4.3
Vitamin B_6	Milligrams	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	5.3	–
Folacin	Micrograms	286	280	290	280	293	296	296	299	–2.8	–
Vitamin B_{12}	Micrograms	9.8	10.8	10.5	10.0	9.8	10.0	10.2	10.1	10.2	–7.4
Calcium	Grams	.92	.87	.87	.87	.89	.90	.92	.91	–5.4	–
Phosphorus	Grams	1.49	1.49	1.47	1.47	1.49	1.51	1.53	1.54	–	–1.3
Magnesium	Milligrams	320	310	320	310	320	320	320	330	–3.1	–
Iron	Milligrams	14.2	14.9	15.1	14.9	15.2	16.6	16.8	17.0	4.9	–
Zinc	Milligrams	12.1	12.7	12.6	12.4	12.6	12.7	12.8	13.0	5.0	–2.4
Copper	Milligrams	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	–	–
Potassium	Milligrams	3,540	3,410	3,390	3,300	3,350	3,400	3,420	3,460	–3.7	–3.2
INDEXES (1967 = 100)											
Food energy	Percent	97	103	100	106	106	106	106	109	6.2	2.9
Protein	Percent	98	101	100	101	102	103	104	106	3.1	–
Fat	Percent	95	102	99	105	105	107	107	112	8.4	1.9
Carbohydrate	Percent	100	101	161	104	106	106	107	110	1.0	3.0

– Represents zero. [1] Includes other types of fat, not shown separately. [2] Alpha-Tocopherol equivalents.

Source: U.S. Dept. of Agriculture, Human Nutrition Information Service. Data published by Economic Research Service in *Food Consumption, Prices, and Expenditures*, annual; and *National Food Review*, quarterly.

No. 198. Daily per Capita Intake of Energy and Selected Nutrients, by Sex and Age: 1976–1980

[Represents **median daily intake per person.** Data are based on 24-hour recall of a respondent to a sample survey in the second National Health and Nutrition Examination Survey. Subject to sampling variability; see source. For definition of median, see Guide to Tabular Presentation]

SEX AND NUTRIENT	Unit	1–5 years	6–11 years	12–17 years	18–24 years	25–34 years	35–44 years	45–54 years	55–64 years
MEN									
Energy	K cal	1,428	1,902	2,467	2,731	2,577	2,299	2,224	1,966
Protein	Gm	51	72	91	104	98	87	87	78
Fat	Gm	55	78	98	108	103	93	91	79
Calcium	Gm	756	1,034	1,063	1,001	805	716	733	685
Iron	Mg	8	12	15	16	16	15	15	13
Vitamin A	I.U	3,067	3,995	4,051	3,964	3,558	3,528	3,789	3,710
Vitamin C	Mg	71	79	71	76	66	66	76	82
WOMEN									
Energy	K cal	1,344	1,762	1,677	1,583	1,547	1,510	1,377	1,308
Protein	Gm	48	62	60	59	59	57	52	51
Fat	Gm	53	70	68	62	63	60	54	52
Calcium	Gm	722	875	692	565	535	508	474	475
Iron	Mg	8	10	10	10	10	10	10	9
Vitamin A	I.U	2,837	3,466	2,709	2,693	2,782	2,678	3,161	3,341
Vitamin C	Mg	66	67	48	59	55	53	69	68

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 11, No. 231; and unpublished data.

Section 4

Education

This section presents data primarily concerning formal education as a whole, at various levels, and for public and private schools. Data shown relate to the school-age population and school enrollment, educational attainment, education personnel, and financial aspects of education. In addition, data are shown for libraries, computer usage in schools, and adult education. The chief sources are the decennial census of population and the Current Population Survey (CPS), both conducted by the Bureau of the Census (see text, section 1); annual, biennial, and other periodic surveys conducted by the National Center for Education Statistics, a part of the U.S. Department of Education, and surveys conducted by the National Education Association.

The censuses of population have included data on school enrollment since 1840 and on educational attainment since 1940. The CPS has reported on school enrollment annually since 1945 and on educational attainment periodically since 1947.

The National Center for Education Statistics is continuing the pattern of statistical studies and surveys conducted by the U.S. Office of Education since 1870. The annual *Digest of Education Statistics* provides summary data on pupils, staff, finances, including government expenditures, and organization at the elementary, secondary, and higher education levels. It is also a primary source for detailed information on Federal funds for education, projections of enrollment, graduates, and teachers. *The Condition of Education,* issued annually, presents a summary of information on education of particular interest to policymakers.

Other sources of data include special studies by the National Center for Education Statistics, and annual or biennial reports of education agencies in individual States. The census of governments, conducted by the Bureau of the Census every 5 years (for the years ending in "2" and "7"), provides data on school district finances and State and local government expenditures for education. Reports published by the Bureau of Labor Statistics contain data relating employment experience to educational attainment.

Types and sources of data.—The statistics in this section are of two general types. One type, exemplified by data from the Bureau of the Census, is based on direct interviews with individuals to obtain information about their own and their family members' education. Data of this type relate to school enrollment and level of education attained, classified by age, sex, and other characteristics of the population. The school enrollment statistics reflect attendance or enrollment in any regular school within a given period; educational attainment statistics reflect the highest grade completed by an individual.

For enrollment data starting in October 1981, the CPS used 1980 census population controls; for years 1971 through 1980, 1970 census population controls had been used. This change had little impact on summary measures (e.g., medians) and proportional measures (e.g., enrollment rates); however, use of the controls may have significant impact on absolute numbers. Where appropriate for comparability purposes, 1981 data have been provided in two ways—once based on 1970 controls, and once based on 1980 controls; see, for example, table 205.

The second type, generally exemplified by data from the National Center for Education Statistics and the National Education Association, is based on reports from administrators of educational institutions and of State and local agencies having jurisdiction over education. Data of this type relate to enrollment, attendance, staff, and finances for the Nation, individual States, and local areas.

Unlike the National Center for Education Statistics, the Census Bureau does not regularly include specialized vocational, trade, business, or correspondence schools in its surveys. The National Center for Education Statistics includes nursery schools and kindergartens that are part of regular grade schools in their enrollment figures. The Census Bureau includes all nursery schools and kindergartens. At the higher education level, the statistics of both agencies are concerned with institutions granting degrees or offering work acceptable for degree-credit, such as junior colleges.

School attendance.—All States require that children attend school. While State laws vary as to the ages and circumstances of compulsory attendance, generally they require that formal schooling begin by age 6 and continue to age 16.

Schools.—The National Center for Education Statistics defines a *school* as "a division of the school system consisting of students composing one or more grade groups or other identifiable groups, organized as one unit with one or more teachers to give instruction of a defined type, and housed in a school plant of one or more buildings. More than one school may be housed in one school plant, as is the case when the elementary and secondary programs are housed in the same school plant."

Regular schools are those which advance a person toward a diploma or degree. They include public and private nursery schools, kindergartens, graded schools, colleges, universities, and professional schools. *Public* schools are schools controlled and supported by local, State, or Federal governmental agencies; *private* schools are those controlled and supported mainly by religious organizations or by private persons or organizations.

The Bureau of the Census defines *elementary* schools as including grades 1 through 8; *high* schools as including grades 9 through 12; and *colleges* as including junior or community colleges, regular 4-year colleges, and universities and graduate or professional schools. Statistics reported by the National Center for Education Statistics and the National Education Association by type of organization, such as elementary level and secondary level, may not be strictly comparable with those from the Bureau of the Census because the grades included at the two levels vary, depending on the level assigned to the middle or junior high school by the local school systems.

School year.—Except as otherwise indicated in the tables, data refer to the school year which, for elementary and secondary schools, generally begins in September of the preceding year and ends in June of the year stated. For the most part, statistics concerning school finances are for a 12-month period, usually July 1 to June 30. Enrollment data generally refer to a specific point in time, such as fall, as indicated in the tables.

Statistical reliability.—For a discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to Census Bureau and the National Center for Education Statistics data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 199. SCHOOL ENROLLMENT, 1955 TO 1987, WITH PROJECTIONS TO 1995, AND NUMBER OF SCHOOLS, 1955 TO 1986

[**In thousands.** Enrollment as of fall; number of schools for school year ending the following year. See *Historical Statistics, Colonial Times to 1970*, series H421-429]

ITEM AND YEAR	TOTAL		ELEMENTARY [1]		SECONDARY		COLLEGE	
	Public	Private	Public	Private	Public	Private	Public	Private
Enrollment: [2]								
1955	32,184	5,777	22,159	3,800	8,521	800	[3] 1,484	[3] 1,177
1965	46,144	8,251	26,670	4,900	15,504	1,400	3,970	1,951
1970	52,337	7,516	27,501	4,052	18,408	1,311	6,428	2,153
1971	52,890	7,344	27,688	3,900	18,398	1,300	6,804	2,144
1972	52,815	7,144	27,323	3,700	18,421	1,300	7,071	2,144
1973	52,850	7,183	26,435	3,700	18,995	1,300	7,420	2,183
1974	53,042	7,235	26,382	3,700	18,671	1,300	7,989	2,235
1975	53,626	7,350	25,640	3,700	19,151	1,300	8,835	2,350
1976	52,970	7,526	25,430	3,825	18,887	1,342	8,653	2,359
1977	52,424	7,577	24,954	3,797	18,623	1,343	8,847	2,437
1978	51,335	7,560	25,017	3,732	17,534	1,353	8,784	2,475
1979	50,682	7,533	24,543	3,700	17,102	1,300	9,037	2,533
1980	50,444	7,971	24,156	3,992	16,831	1,339	9,457	2,640
1981	49,746	8,224	23,819	4,100	16,280	1,400	9,647	2,724
1982	49,348	8,330	23,875	4,200	15,777	1,400	9,696	2,730
1983	49,035	8,497	24,010	4,315	15,342	1,400	9,683	2,782
1984	48,772	8,465	24,147	4,300	15,146	1,400	9,477	2,765
1985	48,988	8,325	24,290	4,195	15,219	1,362	9,479	2,768
1986	49,559	8,379	24,201	4,300	15,636	1,300	9,722	2,779
1987 [4]	49,906	8,536	25,053	4,400	15,147	1,300	9,706	2,838
1990, proj	50,529	(NA)	26,295	(NA)	14,457	(NA)	9,777	2,808
1995, proj	52,891	(NA)	27,316	(NA)	16,126	(NA)	9,449	2,782
Schools: [5]								
1955	(X)	(X)	104.4	12.4	26.0	3.9	.7	1.2
1965	(X)	(X)	73.2	15.3	26.6	4.6	.8	1.4
1970	(X)	(X)	65.8	14.4	25.4	3.8	1.1	1.5
1976	(X)	(X)	62.6	16.4	25.4	5.9	[6] 1.5	[6] 1.6
1978	(X)	(X)	62.0	16.1	24.5	5.8	[6] 1.5	[6] 1.7
1980	(X)	(X)	61.1	16.8	24.4	5.7	[6] 1.5	[6] 1.7
1984	(X)	(X)	58.8	(NA)	23.9	(NA)	[6] 1.5	[6] 1.8
1986	(X)	(X)	60.8	(NA)	23.4	(NA)	[6] 1.5	[6] 1.8

NA Not available. X Not applicable. [1] Enrollment includes kindergarten. [2] For regular schools. [3] Degree-credit enrollment only. [4] Elementary and secondary data are estimates; higher education data are preliminary. [5] Excludes schools not reported by level, such as special education. Schools with both elementary and secondary programs are included under elementary and also secondary. [6] Branch campuses counted seperately.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual; and *Projections of Education Statistics*, annual.

No. 200. School Expenditures, by Type of Control and Level of Instruction: 1960 to 1988

In millions of dollars. For school years ending in year shown. Due to conceptual and methodological differences, these data may not agree with data in table 201. See also Appendix III. See *Historical Statistics, Colonial Times to 1970*, series H 494, 499, and 500 for related but not comparable data, and H 513-519 for private schools]

YEAR	Total	ELEMENTARY AND SECONDARY SCHOOLS			COLLEGES AND UNIVERSITIES		
		Total	Public	Private [1]	Total	Public	Private
1960	23,860	16,713	15,613	1,100	7,147	3,904	3,244
1970	68,459	43,183	40,683	2,500	25,276	16,234	9,041
1975	108,664	68,846	64,846	4,000	39,818	26,966	12,852
1976	118,706	75,101	70,601	4,500	43,605	29,736	13,869
1977	126,417	79,194	74,194	5,000	47,223	31,997	15,226
1978	137,042	86,544	80,844	5,700	50,498	34,031	16,467
1979	148,308	93,012	86,712	6,300	55,296	37,110	18,187
1980	165,627	103,162	95,962	7,200	62,465	41,434	21,031
1981	182,849	112,325	104,125	8,200	70,524	46,559	23,965
1982	197,801	120,486	111,186	9,300	77,315	50,813	26,502
1983	212,081	128,725	118,425	10,300	83,356	54,338	29,018
1984	228,597	139,000	127,500	11,500	89,597	58,124	31,473
1985	247,657	149,400	137,000	12,400	98,257	63,704	34,553
1986, prel	269,485	161,800	148,600	13,200	107,685	70,069	37,616
1987 [1]	289,500	173,600	159,400	14,200	115,900	75,600	40,300
1988 [1]	308,800	184,800	169,700	15,100	124,000	81,300	42,700

[1] Estimated.

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 201. School Expenditures, by Source of Funds: 1970 to 1986

[**For school years ending in year shown.** Includes nursery, kindergarten, and special programs when provided by school system. All nonpublic school data and all data beginning 1980 are estimates. Due to revised methodology, data for 1970 and 1975 are not comparable to later years]

SOURCE OF FUNDS AND TYPE OF SCHOOL	TOTAL (bil. dol.)								PERCENT			
	1970	1975	1980	1982	1983	1984	1985	1986, prel.	1970	1980	1985	1986, prel.
Total	**70.4**	**111.1**	**165.6**	**197.8**	**212.1**	**228.6**	**247.7**	**269.5**	**100.0**	**100.0**	**100.0**	**100.0**
Federal	7.5	12.1	18.9	18.5	18.7	19.7	21.3	23.5	10.7	11.4	8.6	8.7
State	22.2	38.7	64.3	76.3	81.3	87.0	96.1	105.4	31.5	38.8	38.8	39.1
Local	22.6	33.2	43.3	51.9	55.4	60.1	63.3	67.8	32.1	26.1	25.6	25.1
All other	18.1	27.1	39.1	51.1	56.6	61.8	66.9	72.8	25.7	23.6	27.0	27.0
Public	56.8	91.3	137.4	162.0	172.8	185.6	200.7	218.7	80.7	83.0	81.0	81.2
Federal	5.8	9.8	14.8	14.0	14.2	14.8	15.8	17.3	8.2	8.9	6.4	6.4
State	22.1	38.4	63.9	75.8	80.8	86.4	95.5	104.7	31.4	38.6	38.6	38.8
Local	22.5	33.1	43.1	51.7	55.2	59.9	63.1	67.5	32.0	26.0	25.5	25.0
All other	6.4	10.0	15.6	20.5	22.6	24.6	26.3	29.1	9.1	9.4	10.6	10.8
Private	13.6	19.8	28.2	35.8	39.3	43.0	47.0	50.8	19.3	17.0	19.0	18.8
Federal	1.7	2.3	4.1	4.5	4.6	4.9	5.5	6.2	2.4	2.5	2.2	2.3
State and local	.2	.4	.6	.7	.7	.8	.9	.9	.2	.4	.4	.3
All other	11.7	17.1	23.5	30.7	34.0	37.2	40.6	43.6	16.6	14.2	16.4	16.2
Elementary and secondary	**45.7**	**72.2**	**103.2**	**120.5**	**128.7**	**139.0**	**149.4**	**161.8**	**100.0**	**100.0**	**100.0**	**100.0**
Federal	3.4	6.0	9.4	8.2	8.4	8.7	9.1	9.9	7.4	9.1	6.1	6.1
State	15.8	27.2	44.7	52.8	56.5	60.7	66.8	73.2	34.6	43.3	44.7	45.2
Local	21.7	31.7	41.6	49.8	53.2	57.8	60.8	65.0	47.5	40.3	40.7	40.2
All other	4.8	7.3	7.5	9.6	10.7	11.9	12.8	13.6	10.5	7.3	8.6	8.4
Public	41.0	65.0	96.0	111.2	118.4	127.5	137.0	148.6	89.7	93.0	91.7	91.8
Federal	3.4	6.0	9.4	8.2	8.4	8.7	9.1	9.9	7.4	9.1	6.1	6.1
State	15.8	27.2	44.7	52.8	56.5	60.7	66.8	73.2	34.6	43.3	44.7	45.2
Local	21.7	31.7	41.6	49.8	53.2	57.8	60.8	65.0	47.5	40.3	40.7	40.2
All other	.1	.1	.3	.3	.4	.4	.4	.4	.2	.3	.3	.2
Private	4.7	7.2	7.2	9.3	10.3	11.5	12.4	13.2	10.3	7.0	8.3	8.2
Institutions of higher education	**24.7**	**38.9**	**62.5**	**77.3**	**83.4**	**89.6**	**98.3**	**107.7**	**100.0**	**100.0**	**100.0**	**100.0**
Federal	4.1	6.1	9.5	10.3	10.3	11.0	12.2	13.6	16.6	15.2	12.4	12.6
State	6.4	11.5	19.6	23.5	24.9	26.3	29.4	32.2	25.9	31.4	29.9	29.9
Local	.9	1.5	1.7	2.1	2.2	2.3	2.5	2.7	3.6	2.7	2.6	2.5
All other	13.3	19.8	31.6	41.5	46.0	49.9	54.1	59.1	53.9	50.6	55.1	54.9
Public	15.8	26.3	41.4	50.8	54.3	58.1	63.7	70.1	64.0	66.2	64.8	65.1
Federal	2.4	3.8	5.4	5.8	5.8	6.1	6.7	7.4	9.7	8.6	6.8	6.9
State	6.3	11.2	19.2	23.0	24.3	25.7	28.7	31.5	25.5	30.7	29.2	29.2
Local	.8	1.4	1.5	1.9	2.0	2.1	2.3	2.5	3.2	2.4	2.3	2.3
All other	6.3	9.9	15.3	20.2	22.3	24.2	25.9	28.7	25.5	24.5	26.3	26.6
Private	8.9	12.6	21.0	26.5	29.0	31.5	34.6	37.6	36.0	33.6	35.2	34.9
Federal	1.7	2.3	4.1	4.5	4.6	4.9	5.5	6.2	6.9	6.6	5.6	5.8
State and local	.2	.4	.6	.7	.7	.8	.9	.9	.8	1.0	.9	.8
All other	7.0	9.9	16.3	21.4	23.7	25.7	28.2	30.4	28.3	26.1	28.7	28.2

Source: U.S Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 202. Federal Outlays for Education and Related Activities, by Level of Education, Agency and Program: 1980 to 1988

[In **millions of dollars.** For fiscal years ending in **June.** To the extent possible, amounts reported represent outlays, rather than obligations]

LEVEL, AGENCY AND PROGRAM	1980	1985	1986	1987	1988 [1]
Total	**34,316.9**	**38,755.7**	**39,719.0**	**39,877.4**	**43,265.5**
Percent of Federal budget outlays	5.8	4.1	4.0	4.0	4.1
Elementary/secondary education	**16,027.7**	**16,907.3**	**17,050.6**	**17,252.1**	**18,599.3**
Department of Education [2]	6,629.1	7,296.7	7,552.0	7,554.5	8,320.0
Grants for the disadvantaged	3,204.7	4,206.8	3,404.7	3,209.9	3,840.8
Special programs	788.9	526.4	618.9	889.5	749.1
Education for the handicapped	821.8	1,018.0	1,627.9	1,339.2	1,800.7
Vocational and adult education	860.7	658.3	1,034.6	1,230.5	978.7
Department of Agriculture [2]	4,064.5	4,134.9	4,428.1	4,562.1	4,936.5
Child nutrition programs	3,377.1	3,664.6	3,819.7	4,044.8	4,404.7
Agricultural Marketing Serv.—Commodities [3]	388.0	336.5	344.4	350.1	350.9
Special milk programs	159.3	16.0	15.3	15.4	23.7
Department of Defense [4]	370.8	831.6	903.5	861.4	986.4
Junior ROTC	32.0	55.6	58.6	57.4	56.3
Overseas dependent schools	338.8	613.4	691.4	664.9	755.2
Department of Energy	77.6	23.0	21.4	12.1	12.1
Energy conservation for school buildings	77.2	22.7	21.0	11.8	11.8
Department of Health and Human Services	1,077.0	1,531.1	1,455.3	1,543.5	1,595.3
Head Start	735.0	1,075.1	1,040.3	1,130.5	1,206.3
Social Security student benefits	342.0	456.0	415.0	413.0	389.0
Department of the Interior [2]	318.2	389.8	308.1	344.2	341.0
Mineral Leasing Act and other funds	111.6	186.4	104.2	123.9	130.6
Indian education	206.2	202.9	203.3	218.8	209.8
Department of Labor	1,850.0	1,945.3	1,976.6	1,986.4	2,046.1
Job Corps	470.0	604.7	632.6	656.4	716.1
Job Training Partnership Act [5]	1,380.0	1,340.5	1,344.0	1,330.0	1,330.0
Department of the Treasury: General Revenue Sharing—Education Share	935.9	273.7	-	-	-
Veterans Administration	545.8	344.6	251.8	235.3	211.9
Non-collegiate and job training programs	440.0	224.0	137.8	119.7	99.5
Other elementary/secondary programs and agencies	158.8	136.5	128.7	152.7	150.0
Higher education	**10,941.8**	**10,956.3**	**11,063.5**	**10,077.2**	**11,068.1**
Department of Education [2]	5,682.2	8,202.5	8,444.9	[6] 7,438.7	[6] 8,391.2
Student financial assistance	3,682.8	4,162.7	4,585.2	4,779.8	5,319.3
Guaranteed student loans	1,408.0	3,534.8	3,322.7	2,548.2	2,629.6
Higher education	399.8	404.5	402.0	419.1	529.0
Department of Agriculture	10.5	17.7	16.9	16.9	18.3
Department of Defense	545.0	1,041.7	1,068.3	1,079.8	1,051.4
Tuition assistance for military personnel	(NA)	77.1	89.7	111.4	101.5
Service academies [7]	106.1	196.4	214.5	223.7	224.0
Senior ROTC	(NA)	354.0	362.0	382.4	361.2
Professional development education	(NA)	414.2	402.1	362.3	364.7
Department of Energy [2]	57.7	19.4	17.8	18.7	22.7
University laboratory cooperative program	2.8	6.5	5.7	9.9	13.8
Energy conservation for buildings	53.5	12.7	11.8	8.5	8.5
Higher education—Continued					
Department of Health and Human Services [2]	2,235.7	298.2	274.6	283.6	264.9
Health professions training	460.7	212.2	198.0	202.7	208.9
National Health Service Corps scholarships	70.7	2.3	2.1	2.3	.2
National Institute of Occupational Safety and Health training grants	12.9	8.8	8.4	9.9	10.1
Alcohol, drug abuse, mental health training programs	122.1	43.6	46.2	61.1	37.5
Social Security postsecondary student benefits	1,559.0	25.0	-	-	-
Department of Interior	80.2	125.2	109.7	108.4	115.7
Mineral Leasing Act and other funds	35.4	72.0	55.7	49.4	54.2
Indian programs	44.8	53.3	54.0	59.0	61.5
Department of Transportation	12.5	55.6	44.1	47.2	63.2
Other agencies/programs [2]	2,318.0	1,196.1	1,087.2	1,084.1	1,140.8
National Endowment for the Humanities	56.5	49.1	42.3	48.7	49.0
National Science Foundation—Sci./engineer	64.6	60.1	74.2	85.5	110.9
U.S. Information Agency	51.1	124.0	148.5	162.9	166.7
Veterans Administration [2]	1,803.8	944.1	803.2	764.6	792.7
Vietnam era veterans [8]	1,580.0	694.2	514.5	412.0	317.5
Post Vietnam veterans	.9	82.6	121.9	171.8	201.3
Veterans dependents' education	176.3	131.5	111.9	106.7	94.8
Other education programs [2]	**1,546.2**	**2,106.1**	**2,619.8**	**2,817.9**	**3,114.2**
Department of Education [2]	747.7	1,173.1	1,674.2	1,825.8	2,057.5
Administration	187.3	284.9	263.2	285.3	307.4
Libraries	129.1	85.7	96.4	129.1	159.2
Rehabilitative services and handicapped research	426.9	798.3	1,311.5	1,405.4	1,584.8
Department of Agriculture	271.1	336.4	322.6	330.9	351.5
Department of Health and Human Services	37.8	47.2	59.3	59.8	69.6
Department of Justice	27.6	25.5	27.4	26.3	27.1
Department of State	25.0	23.8	23.4	23.9	24.4
Department of Transportation	10.2	3.8	1.9	1.9	2.3
Other programs and agencies:					
Agency for International Development	99.7	141.8	154.6	186.2	184.2
Library of Congress	151.9	169.3	166.1	160.8	176.1
National Endowment for the Humanities	85.8	76.3	78.3	75.4	75.9
United States Information Agency—Center for Cultural and Technical Interchange	15.1	19.0	20.5	16.8	22.3
Research programs at universities and related institutions [2]	**5,801.2**	**8,785.9**	**8,965.4**	**9,731.1**	**10,484.0**
Department of Agriculture	216.4	293.3	266.8	291.9	244.1
Department of Defense	644.5	1,245.9	1,370.6	1,411.0	1,591.0
Department of Energy	1,470.2	2,205.4	2,099.9	2,172.2	2,191.8
Dept. of Health and Human Services	2,087.1	3,171.6	3,301.6	3,762.6	4,054.4
National Aeronautics and Space Administration	254.6	485.8	537.8	544.8	685.6
National Science Foundation	743.8	1,087.0	1,079.4	1,172.9	1,360.5

- Represents zero. NA Not available. [1] Estimated. [2] Includes other programs or agencies, not shown separately. [3] Purchased under Section 32 of the Act of August 1935, for use in child nutrition programs. [4] Beginning 1985, includes stateside schools on military installations for free education of dependents. [5] 1980 covers CETA programs. [6] Includes three programs where receipts to Federal government exceeded outlays. [7] Institutional costs only. [8] Includes Vietnam-era veterans under Chapter 34 (GI Bill) of the "Readjustment Benefits" education and training progr

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 203. Enrollment in Public and Private Schools, by Control and Level, 1965 to 1987, and Projections, 1990 and 1995

[In thousands. As of **fall**. Data are for regular day schools and exclude independent nursery schools and kindergartens, residential schools for exceptional children, subcollegiate departments of colleges, Federal schools for Indians, and federally operated schools on Federal installations. College data include degree-credit and nondegree-credit enrollment]

CONTROL OF SCHOOL AND LEVEL	1965	1970	1980	1981	1982	1983	1984	1985	1986	1987, est.	1990, proj.	1995, proj.
Total	**54,394**	**59,853**	**58,415**	**57,971**	**57,678**	**57,532**	**57,237**	**57,313**	**57,938**	**58,444**	(NA)	(NA)
Public	46,143	52,337	50,444	49,747	49,348	49,035	48,772	48,988	49,559	49,906	50,529	52,891
Private [1]	8,251	7,516	7,971	8,224	8,330	8,497	8,465	8,325	8,379	8,538	(NA)	(NA)
Kindergarten through 8	35,463	36,629	31,666	31,345	31,356	31,312	31,218	31,244	31,704	32,383	(NA)	(NA)
Public	30,563	32,577	27,674	27,245	27,156	26,997	26,918	27,049	27,404	27,983	29,386	30,738
Private [1]	4,900	4,052	3,992	4,100	4,200	4,315	4,300	4,195	4,300	4,400	(NA)	(NA)
Grades 9 through 12	13,010	14,643	14,652	14,255	13,896	13,755	13,775	13,822	13,734	13,517	(NA)	(NA)
Public	11,610	13,332	13,313	12,855	12,496	12,355	12,375	12,460	12,434	12,217	11,386	12,704
Private [1]	1,400	1,311	1,339	1,400	1,400	1,400	1,400	1,362	1,300	1,300	(NA)	(NA)
College	5,921	8,581	12,097	12,372	12,426	12,465	12,242	12,247	12,501	12,544	12,585	12,151
Public	3,970	6,428	9,457	9,647	9,696	9,683	9,477	9,479	9,722	9,706	9,777	9,449
Private	1,951	2,153	2,640	2,724	2,730	2,782	2,765	2,768	2,779	2,838	2,808	2,702

NA Not available. [1] Data for 1970 and later years have been revised since originally published.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Projections of Education Statistics*, annual, *Digest of Education Statistics*, annual; and unpublished data.

No. 204. Enrollment in Public and Private Schools: 1960 to 1986

[In millions, except percent. As of October. For civilian noninstitutional population. For 1960, 5 to 34 years old; thereafter 3 to 34 years old (data for 35 years old and over not available by control of school)]

YEAR	PUBLIC						PRIVATE					
	Total	Nursery	Kindergarten	Elementary	High school	College	Total	Nursery	Kindergarten	Elementary	High school	College
1960	39.0	(NA)	27.5		9.2	2.3	7.2	(NA)	4.9		1.0	1.3
1965	45.5	.1	2.4	27.6	11.5	3.8	9.2	.4	.6	4.9	1.5	1.8
1970	52.2	.3	2.6	30.0	13.5	5.7	8.1	.8	.5	3.9	1.2	1.7
1975	52.8	.6	2.9	27.2	14.5	7.7	8.2	1.2	.5	3.3	1.2	2.0
1980	(NA)	.6	2.7	24.4	(NA)	(NA)	(NA)	1.4	.5	3.1	(NA)	(NA)
1982	49.2	.7	2.7	24.4	13.0	8.4	8.7	1.4	.6	3.0	1.1	2.6
1983	48.7	.8	2.7	24.2	12.8	8.2	9.0	1.5	.7	3.0	1.2	2.6
1984	49.0	.8	3.0	24.1	12.7	8.5	8.3	1.6	.5	2.7	1.1	2.4
1985	49.0	.9	3.2	23.8	12.8	8.4	9.0	1.6	.6	3.1	1.2	2.5
1986	49.2	.8	3.3	24.2	12.7	8.2	8.9	1.7	.6	3.0	1.2	2.5
Percent White:												
1960	85.7	(NA)	84.3		88.2	92.2	95.7	(NA)	95.3		96.7	96.3
1965	85.0	73.2	85.5	83.3	86.5	92.9	95.5	91.1	90.9	96.4	95.7	95.3
1970	84.5	59.5	84.4	83.1	85.6	90.7	93.4	91.1	88.2	94.1	96.1	92.8
1975	83.2	68.3	82.9	82.3	83.5	87.3	91.6	88.6	89.1	93.3	94.2	89.9
1980	(NA)	68.2	80.7	80.9	(NA)	(NA)	(NA)	89.0	87.0	90.7	(NA)	(NA)
1982	81.1	69.1	79.7	80.3	81.1	85.0	89.1	89.9	88.4	89.5	92.7	86.8
1983	80.9	69.6	80.6	79.9	80.8	84.9	89.0	88.8	89.6	90.6	89.2	86.9
1984	80.7	71.4	78.5	79.9	80.7	84.6	88.9	86.1	88.3	90.1	92.1	88.0
1985	80.3	72.2	79.0	79.1	80.4	85.1	89.9	89.8	86.7	90.6	92.2	88.7
1986	79.9	72.0	77.8	79.0	80.3	83.7	89.8	89.8	90.4	90.3	88.3	86.5

NA Not available.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 429, and earlier reports; and unpublished data.

No. 205. School Enrollment, by Sex and Level: 1960 to 1986

[In millions. As of **Oct.** For the civilian noninstitutional population. For 1960, persons 5 to 34 years old; **1965** and **1970**, 3 to 34 years old; thereafter, 3 years old and over. Elementary includes kindergarten and grades 1-8; high school, grades 9-12; and college, 2-year and 4-year colleges, universities, and graduate and professional schools. Data for college represent degree-credit enrollment]

YEAR	ALL LEVELS [1]			ELEMENTARY			HIGH SCHOOL			COLLEGE		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1960	46.3	24.2	22.0	32.4	16.7	15.7	10.2	5.2	5.1	3.6	2.3	1.2
1965	54.7	28.5	26.2	35.5	18.2	17.3	13.0	6.5	6.5	5.7	3.5	2.2
1970	60.4	31.4	28.9	37.1	19.0	18.1	14.7	7.4	7.3	7.4	4.4	3.0
1975	62.2	32.1	30.1	33.8	17.3	16.5	15.7	8.0	7.7	10.9	5.9	5.0
1978	60.0	30.5	29.5	31.5	16.1	15.3	15.6	7.9	7.7	11.1	5.6	5.6
1979	59.3	30.1	29.3	30.9	15.9	15.0	15.2	7.7	7.5	11.4	5.5	5.9
1980	58.6	29.6	29.1	30.6	15.8	14.9	14.6	7.3	7.3	11.4	5.4	6.0
1981 [2]	58.4	29.5	28.9	30.1	15.5	14.7	14.4	7.3	7.1	11.8	5.6	6.2
1981 [3]	59.9	30.3	29.6	31.0	15.9	15.0	14.7	7.5	7.3	12.1	5.8	6.3
1982	59.4	30.0	29.4	30.7	15.8	14.9	14.2	7.2	7.0	12.3	5.9	6.4
1983	59.3	30.1	29.2	30.6	15.7	14.8	14.1	7.1	7.0	12.3	6.0	6.3
1984	58.9	29.9	29.0	30.3	15.6	14.7	13.9	7.1	6.8	12.3	6.0	6.3
1985	59.8	30.0	29.7	30.7	15.7	15.0	14.1	7.2	6.9	12.5	5.9	6.6
1986	60.1	30.4	29.7	31.1	16.1	15.0	14.0	7.1	6.9	12.4	5.8	6.6

[1] Beginning 1965, includes nursery schools, not shown separately. [2] Population controls based on 1970 census; see text, sections 1 and 4. [3] Population controls based on 1980 census; see text, sections 1 and 4.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 429, and earlier reports; and unpublished data.

No. 206. School Enrollment, by Age and Race: 1970 to 1986

[**As of October.** Covers civilian noninstitutional population enrolled in nursery school and above. Based on Current Populatio Survey, see text, section 1. See *Historical Statistics, Colonial Times to 1970,* series H 442-476 for enrollment 5-34 years o

AGE AND RACE	ENROLLMENT (1,000)				RATE		
	1970	1980	1985	1986	1970	1980	1985
Total 3 to 34 years old [1]	**60,357**	**57,348**	**58,013**	**58,153**	**56.4**	**49.7**	**48.3**
3 and 4 years old	1,461	2,280	2,801	2,813	20.5	36.7	38.9
5 and 6 years old	7,000	5,853	6,697	6,917	89.5	95.7	96.1
7 to 13 years old	28,943	23,751	22,849	22,987	99.2	99.3	99.2
14 and 15 years old	7,869	7,282	7,362	7,007	98.1	98.2	98.1
16 and 17 years old	6,927	7,129	6,654	6,861	90.0	89.0	91.7
18 and 19 years old	3,322	3,788	3,716	3,872	47.7	46.4	51.6
20 and 21 years old	1,949	2,515	2,708	2,430	31.9	31.0	35.3
22 to 24 years old	1,410	1,931	2,068	2,154	14.9	16.3	16.9
25 to 29 years old	1,011	1,714	1,942	1,882	7.5	9.3	9.2
30 to 34 years old	466	1,105	1,218	1,230	4.2	6.4	6.1
35 years old and over	(NA)	1,290	1,766	1,909	(NA)	1.4	1.7
White: Total 3 to 34 years old	**51,719**	**47,673**	**47,452**	**47,267**	**56.2**	**48.9**	**47.8**
3 and 4 years old	1,181	1,844	2,250	2,296	19.9	36.3	38.6
5 and 6 years old	5,899	4,781	5,437	5,524	90.3	95.8	96.4
7 to 13 years old	24,564	19,585	18,464	18,579	99.2	99.2	99.3
14 and 15 years old	6,761	6,038	6,007	5,677	98.2	98.3	98.1
16 and 17 years old	6,006	5,937	5,449	5,587	90.6	88.6	91.6
18 and 19 years old	2,924	3,199	3,105	3,192	48.7	46.3	52.4
20 and 21 years old	1,750	2,206	2,318	2,042	33.1	31.9	36.1
22 to 24 years old	1,305	1,669	1,744	1,759	15.7	16.4	17.0
25 to 29 years old	910	1,473	1,635	1,589	7.7	9.2	9.2
30 to 34 years old	416	942	1,043	1,021	4.2	6.3	6.2
35 years old and over	(NA)	1,104	1,533	1,644	(NA)	1.3	1.7
Black: Total 3 to 34 years old	**7,829**	**8,251**	**8,444**	**8,556**	**57.4**	**53.9**	**50.9**
3 and 4 years old	250	371	469	411	22.7	38.2	42.7
5 and 6 years old	999	904	1,030	1,100	84.9	95.4	95.7
7 to 13 years old	3,998	3,598	3,549	3,564	99.3	99.4	99.1
14 and 15 years old	1,025	1,088	1,106	1,079	97.6	97.9	97.9
16 and 17 years old	837	1,047	994	1,015	85.7	90.6	91.7
18 and 19 years old	352	494	472	518	40.1	45.7	44.1
20 and 21 years old	174	242	298	268	22.8	23.4	27.7
22 to 24 years old	84	196	215	261	8.0	13.6	13.7
25 to 29 years old	68	187	192	197	4.8	8.8	7.4
30 to 34 years old	41	124	119	143	3.4	6.8	5.1
35 years old and over [2]	(NA)	186	233	265	(NA)	1.8	1.9

NA Not available. [1] Includes other races, not shown separately. [2] Black and other races.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-20, No. 429, and earlier reports; and unpublished

No. 207. Elementary and Secondary Schools—Enrollment and Teachers, by Type of Control, 1960 to 1987, and Projections, 1990 and 1995

[**In thousands, except percent. As of fall.** Schools are classified by type of organization, rather than by grade group; elemen includes kindergarten and secondary includes junior high. Minus sign (—) indicates decrease]

ITEM	TOTAL				PUBLIC			PRIVATE [2]	
	Number	Percent change [1]	Elementary	Secondary	Number	Elementary	Secondary	Number	Elementary
Enrollment: 1960	42,181	3.6	29,150	13,031	36,281	24,350	11,931	5,900	4,800
1965	48,473	2.8	31,570	16,904	42,173	26,670	15,504	6,300	4,900
1970	51,272	1.1	31,553	19,719	45,909	27,501	18,408	5,363	4,052
1975	49,791	−.6	29,340	20,451	44,791	25,640	19,151	5,000	3,700
1980	46,318	−1.4	28,148	18,170	40,987	24,156	16,831	5,331	3,992
1985	45,066	−.6	28,485	16,581	39,509	24,290	15,219	5,557	4,195
1986	45,437	1.0	28,501	16,936	39,837	24,201	15,636	5,600	4,300
1987 [3]	45,900	1.0	29,453	16,447	40,200	25,053	15,147	5,700	4,400
1990 [4]	(NA)	(NA)	(NA)	(NA)	40,752	26,295	14,457	(NA)	(NA)
1995 [4]	(NA)	(NA)	(NA)	(NA)	43,442	27,316	16,126	(NA)	(NA)
Teachers: 1960	1,600	4.5	991	609	1,408	858	550	192	133
1965	1,933	3.9	1,112	822	1,710	965	746	223	147
1970	2,288	3.4	1,281	1,007	2,055	1,128	927	233	153
1975	2,451	1.4	1,352	1,099	2,196	1,180	1,016	255	172
1980	2,463	.1	1,389	1,074	2,162	1,177	985	301	212
1985	2,550	.7	1,476	1,078	2,207	1,237	970	343	246
1986	2,591	1.6	1,517	1,075	2,243	1,267	977	348	250
1987 [3]	2,630	1.5	1,543	1,087	2,276	1,284	992	354	259
1990 [4]	(NA)	(NA)	(NA)	(NA)	2,355	1,360	995	(NA)	(NA)
1995 [4]	(NA)	(NA)	(NA)	(NA)	2,544	1,453	1,091	(NA)	(NA)

NA Not available. [1] Average from prior year shown; for 1960, change from 1955. For explanation of average annual see Guide to Tabular Presentation. [2] Data beginning 1970 are estimated. [3] Estimate. [4] Projection.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics,* annual, and data

No. 208. Preprimary School Enrollment—Summary: 1972 to 1986

[As of October. Civilian noninstitutional population. Includes public and nonpublic nursery school and kindergarten programs. Excludes 5 year olds enrolled in elementary school. The method of identifying Hispanic children was changed in 1980 from allocation based on status of mother to status reported for each child. The number of Hispanic children using the new method is larger. Based on Current Population Survey; see text, section 1]

ITEM	1972	1975	1979	1980	1981	1982	1983	1984	1985	1986
NUMBER OF CHILDREN (1,000)										
Population, 3-5 years old	**10,166**	**10,183**	**9,119**	**9,284**	**9,644**	**9,873**	**10,252**	**10,612**	**10,733**	**10,866**
Total enrolled [1]	**4,231**	**4,956**	**4,664**	**4,878**	**4,936**	**5,105**	**5,385**	**5,480**	**5,865**	**5,971**
Nursery	1,277	1,745	1,862	1,981	2,055	2,151	2,347	2,335	2,477	2,545
Public	396	570	633	628	660	729	809	742	846	829
Private	881	1,174	1,228	1,353	1,396	1,423	1,538	1,593	1,631	1,715
Kindergarten	2,954	3,211	2,802	2,897	2,881	2,954	3,038	3,145	3,388	3,426
Public	2,475	2,682	2,381	2,438	2,372	2,459	2,416	2,668	2,847	2,859
Private	478	528	421	459	509	494	623	476	541	567
White	3,542	4,105	3,786	3,994	4,036	4,165	4,430	4,411	4,757	4,851
Black	619	731	750	725	725	769	758	845	919	892
Hispanic [2]	(NA)	(NA)	289	370	399	368	406	380	496	593
3 years old	535	683	746	857	891	928	1,005	1,004	1,035	1,041
4 years old	1,121	1,418	1,393	1,423	1,442	1,496	1,619	1,603	1,765	1,772
5 years old	2,575	2,852	2,525	2,598	2,604	2,681	2,762	2,872	3,065	3,157
ENROLLMENT RATE										
Total enrolled [1]	**41.6**	**48.6**	**51.1**	**52.5**	**51.2**	**51.7**	**52.5**	**51.6**	**54.6**	**55.0**
White	41.4	48.6	50.7	52.7	51.3	51.6	53.1	51.7	54.7	55.2
Black	43.0	48.1	53.3	51.8	50.0	52.0	48.8	51.3	55.8	54.1
Hispanic [2]	(NA)	(NA)	40.3	43.3	40.2	41.2	42.7	41.6	43.3	47.8
3 years old	15.5	21.5	24.6	27.3	27.3	27.4	28.1	27.8	28.8	28.9
4 years old	33.5	40.5	45.4	46.3	44.9	45.7	47.4	44.8	49.1	49.0
5 years old	76.1	81.3	83.5	84.7	82.1	83.4	84.6	83.9	86.5	86.7

NA Not available. [1] Includes races not shown separately. [2] Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 318; and unpublished data.

No. 209. Preprimary School Enrollment, by Level of Enrollment and Labor Force Status of Mother: 1972 and 1986

[See headnote, table 208]

RACE AND LABOR FORCE STATUS	ALL CHILDREN (1,000)		PERCENT ENROLLED IN—							PERCENT NOT ENROLLED	
			Nursery school				Kindergarten				
			Total		Full-day		Total		Full-day, 1986		
	1972	1986	1972	1986	1972	1986	1972	1986		1972	1986
TOTAL[1]											
Children 3 to 5 years old	10,166	10,866	12.6	23.4	4.0	8.2	29.1	31.5	12.4	58.4	45.1
Living with mother	9,985	10,496	12.6	23.6	4.0	8.3	29.1	31.3	12.2	58.3	45.1
Mother in labor force	3,319	5,775	15.7	26.8	8.2	12.8	29.0	32.2	13.7	55.3	41.1
Employed	3,008	5,284	16.3	27.7	8.7	13.5	29.3	32.1	13.7	54.4	40.2
Full-time	1,949	3,452	15.6	28.1	11.5	17.5	28.3	31.8	15.4	56.2	40.1
Part-time	1,059	1,832	17.6	27.0	3.5	5.9	31.2	32.6	10.6	51.3	40.4
Unemployed	311	491	10.6	16.6	3.9	5.1	26.2	33.0	14.1	63.2	50.3
Mother not in labor force	6,665	4,722	11.1	19.8	1.6	2.8	29.2	30.2	10.2	59.8	50.0
WHITE											
Children 3 to 5 years old	8,580	8,785	12.5	24.3	3.1	7.5	28.8	30.9	10.5	58.6	44.8
Living with mother	8,409	8,520	12.6	24.5	3.1	7.5	28.9	30.7	10.3	58.5	44.8
Mother in labor force	2,623	4,733	15.9	27.1	7.2	11.6	28.7	31.8	11.8	55.4	41.0
Employed	2,419	4,383	16.5	28.1	7.7	12.3	28.7	31.8	11.8	54.8	40.1
Full-time	1,499	2,732	15.8	28.5	11.1	16.6	27.7	31.0	12.9	56.5	40.4
Part-time	920	1,651	17.7	27.3	2.0	5.2	30.3	33.0	10.0	52.0	39.7
Unemployed	205	350	8.9	15.5	1.0	2.9	28.6	32.3	12.3	62.5	52.2
Mother not in labor force	5,785	3,787	11.1	21.1	1.2	2.4	29.0	29.3	8.3	59.9	49.6
BLACK											
Children 3 to 5 years old	1,442	1,649	12.8	19.1	9.5	12.6	30.1	35.0	21.8	57.0	45.9
Living with mother	1,414	1,580	12.8	19.4	9.4	12.9	30.2	34.7	21.7	56.7	45.9
Mother in labor force	639	846	15.0	25.1	12.7	19.6	29.5	33.4	23.1	55.5	41.5
Employed	537	715	15.1	26.0	13.4	21.2	30.8	33.3	23.7	54.0	40.7
Full-time	407	575	15.0	26.9	13.0	22.9	26.7	35.2	26.1	56.3	37.9
Part-time	130	140	15.5	22.4	14.6	14.2	37.7	25.6	14.1	46.8	52.0
Unemployed	103	130	14.5	19.9	8.7	11.2	22.5	34.0	20.0	63.0	46.1
Mother not in labor force	774	715	11.0	12.7	6.7	4.9	30.8	36.3	19.9	58.1	51.0

[1] Includes races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 318; and unpublished data.

No. 210. Public School Enrollment in Regular Schools, by Level—States: 1980 and

[In thousands. As of fall. Includes unclassified students. See also Appendix III]

STATE	PRE-KINDERGARTEN THROUGH GRADE 8		GRADES 9-12 [2]		HIGHER EDUCATION [3]		STATE	PRE-KINDERGARTEN THROUGH GRADE 8		GRADES 9-12 [2]		HIGHER EDUCATION
	1980	1986 [1]	1980	1986 [1]	1980	1986 [1]		1980	1986 [1]	1980	1986 [1]	1980
U.S.	**27,674**	**27,404**	**13,313**	**12,434**	**[4] 9,457**	**[4] 9,722**	MS	330	356	147	143	91
							MO	567	549	277	251	165
AL	528	519	231	215	144	160	MT	106	108	50	46	31
AK	60	78	26	30	21	26	NE	189	185	91	82	74
AZ	357	371	157	163	194	214	NV	101	112	49	49	40
AR	310	307	138	131	66	69	NH	112	110	55	54	24
CA	2,761	3,046	1,357	1,332	1,600	1,540	NJ	820	742	426	365	247
CO	374	386	172	172	146	158	NM	186	191	85	91	55
CT	364	322	168	147	98	99	NY	1,838	1,713	1,033	894	563
DE	62	65	37	30	28	[5] 10	NC	786	748	343	337	228
DC	71	63	29	23	14	12	ND	77	84	40	35	32
FL	1,042	1,121	468	486	334	385	OH	1,312	1,208	645	585	382
GA	742	778	327	318	140	147	OK	399	417	179	176	137
HI	110	113	55	51	43	43	OR	319	309	145	141	140
							PA	1,231	1,065	678	610	292
ID	144	150	59	59	34	36	RI	95	91	53	43	35
IL	1,335	1,249	649	576	491	531	SC	426	428	193	184	108
IN	708	654	347	313	189	194	SD	86	89	42	36	24
IA	351	324	183	158	97	110	TN	602	577	252	241	157
KS	283	292	133	125	122	130	TX	2,049	2,317	851	892	614
KY	464	447	206	196	115	115	UT	250	308	93	108	60
LA	544	581	234	214	137	146	VT	66	63	29	29	18
ME	153	144	70	68	32	34	VA	703	673	307	302	247
MD	493	456	258	220	195	199	WA	515	521	242	240	276
MA	676	559	346	275	184	179	WV	270	244	113	108	71
MI	1,227	1,109	638	573	454	446	WI	528	510	303	258	235
MN	482	479	272	232	162	179	WY	70	72	28	29	21

[1] Preliminary. [2] Includes postgraduates. [3] See headnote, table 249. [4] Includes U.S. military academies not shown rately. [5] Decrease due to change in reporting status of one institution.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 211. Years of School Completed, by Age and Race: 1940 to 1987

[Through **1980**, as of **April 1**; beginning **1985** as of **March.** Excludes Armed Forces, except members living off post or families on post. Beginning 1980 excludes inmates of institutions. 1940 based on complete count; 1950 based on 20-perc sample; 1960 on 25-percent sample; 1970 on 20-percent sample; and 1980 on 17-percent sample; beginning 1985 based Current Population Survey, see text, section 1. For definition of median, see Guide to Tabular Presentation]

AGE AND YEAR	ALL PERSONS					BLACK PERSONS			
	Percent not high school graduates		Percent with 4 years of high school or more		Median school years completed	Percent not high school graduates		Percent with 4 years of high school or more	
	Total	With less than 5 yr. of school	Total	College, 4 yr. or more		Total	With less than 5 yr. of school	Total	College, 4 yr. or more
25 years and over:									
1940	75.5	13.7	24.5	4.6	8.6	92.7	42.0	7.3	1.3
1950	65.7	11.1	34.3	6.2	9.3	87.1	32.9	12.9	2.1
1960	58.9	8.3	41.1	7.7	10.6	79.9	23.8	20.1	3.1
1970	47.7	5.5	52.3	10.7	12.1	68.6	14.6	31.4	4.4
1980	33.5	3.6	66.5	16.2	12.5	48.8	8.2	51.2	8.4
1985	26.1	2.7	73.9	19.4	12.6	40.2	6.2	59.8	11.1
1986	25.3	2.7	74.7	19.4	12.6	37.7	5.4	62.3	10.9
1987	24.4	2.4	75.6	19.9	12.7	36.6	5.0	63.4	10.7
25-29 years:									
1940	61.9	5.9	38.1	5.9	10.3	88.4	27.7	11.6	1.6
1950	49.5	4.7	52.8	7.7	12.0	80.4	16.8	22.2	2.7
1960	39.3	2.8	60.7	11.1	12.3	62.3	7.0	37.7	4.8
1970	26.2	1.7	73.8	16.3	12.6	44.6	3.2	55.4	6.0
1980	15.5	1.1	84.5	22.1	12.9	24.8	1.1	75.2	11.4
1985	13.9	.7	86.1	22.2	12.9	19.4	.4	80.6	11.5
1986	13.9	.9	86.1	22.4	12.9	16.7	.5	83.4	11.8
1987	14.0	.9	86.0	22.0	12.8	16.7	.4	83.3	11.4

Source: U.S. Bureau of the Census, *U.S. Census of Population, 1940, 1950, 1960, 1970,* and *1980,* vol. I; and *Current Popu Reports,* series P-20, No. 415 and forthcoming reports.

No. 212. Years of School Completed, by Race, Hispanic Origin, and Sex: 1970 to 1987

[Persons 25 years old and over. Hispanic persons may be of any race. For definition of median, see Guide to Tabular Presentation. See headnote, table 211. See also *Historical Statistics, Colonial Times to 1970,* series H 602–617]

YEAR, RACE, HISPANIC ORIGIN, AND SEX	Population (1,000)	PERCENT OF POPULATION COMPLETING—							Median school years completed
		Elementary school			High school		College		
		0–4 years	5–7 years	8 years	1–3 years	4 years	1–3 years	4 years or more	
1970, total persons [1]	**109,899**	**5.5**	**10.0**	**12.8**	**19.4**	**31.1**	**10.6**	**10.7**	**12.1**
White	98,246	4.5	9.1	13.0	18.8	32.2	11.1	11.3	12.1
Male	46,527	4.8	9.7	13.3	18.2	28.5	11.1	14.4	12.1
Female	51,718	4.1	8.6	12.8	19.4	35.5	11.1	8.4	12.1
Black	10,375	14.6	18.7	10.5	24.8	21.2	5.9	4.4	9.8
Male	4,714	17.7	19.1	10.2	22.9	20.0	6.0	4.2	9.4
Female	5,661	12.0	18.3	10.8	26.4	22.2	5.8	4.6	10.1
Hispanic	3,946	19.5	18.6	11.5	18.2	21.1	6.5	4.5	9.1
Male	1,897	19.1	18.0	11.3	18.1	19.9	7.6	5.9	9.3
Female	2,050	19.9	19.2	11.6	18.3	22.3	5.4	3.2	8.9
1980, total persons [1]	**132,836**	**3.6**	**6.7**	**8.0**	**15.3**	**34.6**	**15.7**	**16.2**	**12.5**
White	114,290	2.6	5.8	8.2	14.6	35.7	16.0	17.1	12.5
Male	53,941	2.8	6.0	8.0	13.6	31.8	16.4	21.3	12.5
Female	60,349	2.5	5.6	8.4	15.5	39.1	15.6	13.3	12.6
Black	13,195	8.2	11.7	7.1	21.8	29.3	13.5	8.4	12.0
Male	5,895	10.0	12.0	6.7	20.5	28.3	14.0	8.4	12.0
Female	7,300	6.7	11.6	7.3	22.9	30.0	13.2	8.3	12.0
Hispanic	6,739	15.5	16.6	8.1	15.8	24.4	12.0	7.6	10.8
Male	3,247	15.2	16.2	7.7	15.5	22.6	13.4	9.4	11.1
Female	3,493	15.8	17.1	8.4	16.1	26.0	10.6	6.0	10.6
1987, total persons [1]	**149,144**	**2.4**	**4.5**	**5.8**	**11.7**	**38.7**	**17.1**	**19.9**	**12.7**
White	129,170	2.0	4.1	5.9	11.0	39.2	17.2	20.5	12.7
Male	61,678	2.1	4.2	5.8	10.6	35.6	17.2	24.5	12.8
Female	67,492	2.0	4.0	6.0	11.4	42.6	17.3	16.9	12.6
Black	15,580	5.0	8.0	5.3	18.2	37.1	15.7	10.7	12.4
Male	6,919	5.9	8.6	5.2	17.2	36.5	15.5	11.0	12.4
Female	8,661	4.3	7.6	5.4	19.0	37.5	15.8	10.4	12.4
Hispanic	9,449	11.9	15.2	8.1	13.9	29.0	13.3	8.6	12.0
Male	4,614	11.8	14.8	7.4	14.2	28.0	14.2	9.7	12.1
Female	4,835	12.0	15.6	8.8	13.6	30.0	12.5	7.5	12.0

[1] Includes other races, not shown separately.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1970,* vols. I and II; *1980,* vol. I, chapter C, and *Current Population Reports,* series P–20, No. 428.

No. 213. Years of School Completed, by Sex, Age, Race, and Hispanic Origin: 1987

[Persons 25 years old and over. As of March 1987. See headnote, table 211. For definition of median, see Guide to Tabular Presentation]

SEX, AGE, RACE, AND HISPANIC ORIGIN	Population (1,000)	PERCENT OF POPULATION COMPLETING—							Median school years completed
		Elementary school			High school		College		
		0–4 years	5–7 years	8 years	1–3 years	4 years	1–3 years	4 years or more	
Total persons	**149,144**	**2.4**	**4.5**	**5.8**	**11.7**	**38.7**	**17.1**	**19.9**	**12.7**
Male	70,677	2.5	4.6	5.7	11.2	35.4	17.1	23.6	12.7
Female	78,467	2.4	4.4	5.8	12.1	41.6	17.1	16.5	12.6
25–29 years old	21,636	.9	1.6	1.7	9.9	42.4	21.5	22.0	12.8
30–34 years old	20,999	1.0	1.8	1.3	8.8	39.8	21.4	25.8	12.9
35–44 years old	33,632	1.1	2.3	2.2	8.4	39.1	20.3	26.5	12.9
45–54 years old	23,018	2.0	3.7	4.4	12.3	42.1	16.0	19.5	12.7
55–64 years old	21,883	3.2	6.0	8.0	15.0	39.8	13.1	14.9	12.4
65 years old and over	27,975	6.1	10.9	15.8	16.0	30.8	10.5	9.9	12.0
Black	**15,580**	**5.0**	**8.0**	**5.3**	**18.2**	**37.1**	**15.7**	**10.7**	**12.4**
25–29 years old	2,683	.4	.7	1.0	14.5	47.4	24.6	11.4	12.7
30–34 years old	2,513	.6	1.4	2.2	15.8	45.9	20.6	13.3	12.7
35–44 years old	3,552	.8	3.4	2.6	17.1	43.7	18.5	14.0	12.6
45–54 years old	2,437	3.5	6.6	4.9	23.8	37.5	12.6	11.1	12.3
55–64 years old	2,063	8.7	16.4	10.9	22.0	25.3	10.1	6.6	10.9
65 years old and over	2,331	19.6	24.8	13.5	17.4	15.5	3.9	5.3	8.4
Hispanic origin [1]	**9,449**	**11.9**	**15.2**	**8.1**	**13.9**	**29.0**	**13.3**	**8.6**	**12.0**
25–29 years old	1,936	4.8	12.0	5.9	17.5	33.1	18.0	8.7	12.3
30–34 years old	1,677	6.5	13.8	4.5	14.4	33.2	16.6	11.0	12.3
35–44 years old	2,437	8.9	13.7	7.0	12.9	32.6	15.2	9.6	12.2
45–54 years old	1,451	13.6	16.3	9.5	14.1	27.6	10.1	8.8	11.3
55–64 years old	1,042	21.8	18.0	13.1	11.8	21.8	7.7	5.9	8.8
65 years old and over	906	31.2	23.5	14.6	9.7	13.4	3.9	3.7	7.4

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, unpublished data.

NO. 214. YEARS OF SCHOOL COMPLETED BY SEX, RACE, AND HISPANIC ORIGIN—15 LARGEST STATES: 1987

[For persons 25 years old and over. As of March. Persons of Hispanic origin may be of any race. Data for other States are not available. Based on Current Population Survey and subject to sampling error. See text, section 1 and Appendix III]

ITEM	Total persons (1,000)	PERCENT COMPLETING	
		High school	College
California:			
Total	16,781	78.9	23.5
Male	8,151	79.0	27.0
Female	8,630	78.7	20.2
White	14,220	78.4	23.3
Black	1,093	80.0	13.4
Hispanic origin	3,021	49.1	5.6
Florida:			
Total	7,727	77.1	19.7
Male	3,634	77.2	24.4
Female	4,093	77.1	15.5
White	6,712	79.8	21.1
Black	957	59.4	9.1
Hispanic origin	774	61.2	16.4
Georgia:			
Total	3,788	71.2	19.1
Male	1,745	72.6	22.8
Female	2,043	70.0	16.0
White	2,750	74.9	23.2
Black	1,012	60.9	7.3
Hispanic origin	40	(B)	(B)
Illinois:			
Total	7,124	76.4	20.2
Male	3,283	78.2	23.7
Female	3,841	74.8	17.3
White	6,060	77.7	20.7
Black	912	66.2	10.9
Hispanic origin	314	48.4	11.5
Indiana:			
Total	3,376	76.0	13.3
Male	1,600	74.8	15.5
Female	1,777	77.0	11.3
White	3,100	76.5	13.4
Black	253	69.2	11.9
Hispanic origin	21	(B)	(B)
Massachusetts:			
Total	3,699	80.4	26.5
Male	1,705	81.3	31.9
Female	1,994	79.7	21.9
White	3,513	80.7	26.5
Black	132	77.3	21.2
Hispanic origin	80	52.5	11.3
Michigan:			
Total	5,505	75.5	16.5
Male	2,587	74.0	20.5
Female	2,918	76.8	13.0
White	4,809	76.7	16.8
Black	589	64.5	9.7
Hispanic origin	66	(B)	(B)
Missouri:			
Total	3,102	78.1	17.9
Male	1,466	78.5	22.0
Female	1,636	77.8	14.2
Missouri—Continued			
White	2,827	79.7	18.1
Black	242	59.9	7.4
Hispanic origin	18	(B)	(B
New Jersey:			
Total	4,884	76.9	23.3
Male	2,269	78.4	28.5
Female	2,616	75.5	18.7
White	4,231	78.1	24.2
Black	521	63.3	6.7
Hispanic origin	385	57.7	12.2
New York:			
Total	11,255	75.0	23.2
Male	5,186	76.2	27.1
Female	6,069	73.9	20.0
White	9,460	76.4	23.8
Black	1,347	64.1	13.1
Hispanic origin	1,141	51.4	8.5
North Carolina:			
Total	3,955	67.8	16.6
Male	1,835	67.1	19.5
Female	2,120	68.3	14.1
White	3,179	70.6	18.6
Black	717	55.8	8.2
Hispanic origin	17	(B)	(B
Ohio:			
Total	6,687	75.6	15.0
Male	3,134	75.6	17.5
Female	3,553	75.6	12.8
White	6,057	76.6	15.3
Black	577	64.1	7.5
Hispanic origin	48	(B)	(B
Pennsylvania:			
Total	7,805	75.5	17.2
Male	3,656	75.4	21.1
Female	4,149	75.6	13.8
White	7,137	76.5	17.6
Black	602	65.0	10.6
Hispanic origin	72	(B)	(B
Texas:			
Total	9,816	72.0	19.8
Male	4,862	71.7	23.0
Female	4,954	72.2	16.7
White	8,577	72.0	20.4
Black	1,060	68.7	11.1
Hispanic origin	2,065	43.1	7.5
Virginia:			
Total	3,605	72.3	23.5
Male	1,757	71.9	30.1
Female	1,848	72.6	17.9
White	2,857	75.4	25.9
Black	667	56.7	10.9
Hispanic origin	50	(B)	(B

B Base figure too small to meet standards for reliability of derived figure.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 428.

NO. 215. PERCENT OF POPULATION WITH LESS THAN 5 YEARS OF SCHOOL AND WITH 4 YEARS OF HIGH SCHOOL OR MORE, BY AGE, RACE, AND HISPANIC ORIGIN: 1970 TO 1987

[**Persons 25 years old and over.** As of **April 1970** and **1980**, and **March 1975** and **1987**]

RACE AND HISPANIC ORIGIN	LESS THAN 5 YEARS OF SCHOOL								4 YEARS OF HIGH SCHOOL OR MORE							
	1970	1975	1980	1987					1970	1975	1980	1987				
				Total	25-34 yr.	35-44 yr.	45-64 yr.	65 yr. and over				Total	25-34 yr.	35-44 yr.	45-64 yr.	65 yr. and over
All races [1]	**5.5**	**4.2**	**3.6**	**2.4**	**.9**	**1.1**	**2.6**	**6.1**	**52.3**	**62.5**	**66.5**	**75.6**	**86.5**	**85.9**	**72.8**	**51.2**
White	4.5	3.3	2.6	2.0	.9	1.1	2.1	4.6	54.5	64.6	68.8	77.0	87.2	87.1	75.1	53.7
Black	14.6	12.3	8.2	5.0	.6	.8	5.9	19.6	31.4	42.5	51.2	63.4	81.7	76.2	52.4	24.7
Hispanic [2]	19.5	18.5	15.5	11.9	5.6	8.9	17.0	31.2	32.1	37.9	44.0	50.9	60.3	57.4	41.9	20.8
Mexican	28.5	24.6	20.1	15.4	7.7	12.1	21.7	42.4	24.2	31.0	37.6	44.8	54.0	51.2	33.9	15.4
Puerto Rican	20.5	17.4	14.1	10.3	2.2	5.6	22.5	29.2	23.4	28.7	40.1	53.8	68.4	58.8	36.1	19.4
Cuban	8.2	7.3	7.3	6.1	1.2	1.6	8.6	12.2	43.9	51.7	55.3	61.6	83.1	68.1	56.5	35.9
Other [3]	8.8	7.6	8.3	5.7	2.3	4.8	7.0	17.5	44.9	58.0	57.4	61.5	68.8	69.2	56.8	25.6

[1] Includes races not shown separately. [2] Hispanic persons may be of any race. [3] Includes Central or South American and other Hispanic origin.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vols. I and II, *1980 Census of Population*, vol. I, chapter C, *Current Population Reports*, series P-20, No. 416; and unpublished data.

NO. 216. HIGHEST DEGREE EARNED, BY SELECTED CHARACTERISTICS: 1984

[**For persons 18 years old and over.** Based on the survey of Income and Program Participation; see source for details]

CHARACTERISTIC	Total persons (1,000)	PERCENT BY LEVEL								
		Doctorate	Professional	Master's	Bachelor's	Associate	Vocational	Some college, no degree	High school graduate only	Not a high school graduate
All persons [1]	170,232	.5	1.0	3.4	10.6	3.4	1.8	17.8	35.5	26.0
Male	80,834	.7	1.8	3.8	11.9	3.5	1.3	19.1	32.7	25.3
Female	89,398	.2	.3	3.0	9.5	3.3	2.3	16.6	38.0	26.7
AGE										
18 to 24 years old	28,494	(Z)	-	.2	6.9	3.4	1.4	30.5	38.8	18.8
25 to 34 years old	40,474	.4	1.3	3.9	15.7	5.2	2.0	20.3	37.0	14.3
35 to 44 years old	30,480	.8	1.8	6.4	14.2	4.5	2.2	17.8	35.7	16.6
45 to 54 years old	22,264	.6	1.1	4.5	9.5	3.0	2.0	12.7	40.2	26.4
55 to 64 years old	22,060	.6	1.2	3.1	7.9	1.9	1.7	12.1	35.3	36.2
65 years old and over	26,458	.4	.7	2.0	5.9	.9	1.5	9.2	25.3	54.0
RACE										
White	147,147	.5	1.1	3.6	11.1	3.5	1.9	17.8	36.1	24.4
Male	70,276	.8	1.9	4.2	12.4	3.6	1.3	19.1	33.1	23.6
Female	76,871	.2	.4	3.2	9.9	3.4	2.4	16.7	38.8	25.0
Black	18,475	.2	.3	1.5	5.2	2.6	1.4	17.5	32.7	38.6
Male	8,274	.2	.4	1.2	5.0	2.4	.8	19.2	31.3	39.4
Female	10,201	.2	.2	1.8	5.4	2.8	1.8	16.1	33.9	37.9

- Represents zero. Z Less than .05 percent. [1] Includes other races, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 11.

NO. 217. SCHOOL DAYS LOST ASSOCIATED WITH ACUTE CONDITIONS: 1962 TO 1986

[**Days lost per year per 100 children, ages 6-16, beginning 1985, ages 5-17.** Based on data collected during the periods July of the previous year to June of the year shown through 1980; beginning 1985 is based on calendar year data. Based on a sample of the civilian noninstitutionalized population; see Appendix III]

CONDITION	1962	1965	1970	1975	1980	1985	1986				
							Total [1]	Male	Female	White	Black
All acute conditions	**521**	**456**	**452**	**451**	**487**	**387**	**423**	**372**	**475**	**450**	**287**
Infective and parasitic diseases	108	139	90	81	99	94	79	68	91	82	67
Respiratory conditions	342	238	264	261	282	216	247	209	288	269	149
Upper respiratory	174	147	147	121	118	91	73	69	78	75	60
Influenza and other	168	91	117	140	164	124	175	141	210	194	88
Digestive system conditions	14	13	24	21	22	[2] 13	[2] 12	[2] 12	[2] 12	[2] 10	[2] 18
Injuries	27	29	36	52	37	24	29	37	[2] 21	27	[2] 32
All other acute conditions	29	38	38	36	47	41	55	47	64	62	[2] 21

[1] Includes other races not shown separately. [2] Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, series 10, and unpublished data.

NO. 218. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—SUMMARY: 1975 TO 1988

[For school year ending in year shown, except as indicated. Data are estimates]

ITEM	Unit	1975	1980	1982	1983	1984	1985	1986	1987	1988
School districts, total	Number	16,624	16,044	15,959	15,909	15,857	15,812	15,739	15,684	15,595
ENROLLMENT										
Population 5-17 years old [1]	1,000	51,498	48,041	46,352	45,655	45,130	44,942	44,975	45,198	44,290
Percent of resident population	Percent	24.1	21.4	20.2	19.7	19.3	19.0	18.8	18.7	18.2
Fall enrollment [2]	1,000	45,135	41,778	40,119	39,684	39,406	39,352	39,555	39,899	40,124
Percent of population 5-17 years old	Percent	87.6	87.0	86.6	86.9	87.3	87.6	88.0	88.3	90.6
Elementary [3]	1,000	25,780	24,397	24,082	23,887	23,730	23,744	24,046	24,516	24,980
Secondary [4]	1,000	19,355	17,381	16,037	15,796	15,676	15,608	15,508	15,382	15,144
Average daily:										
Membership (ADM)	1,000	44,442	40,812	39,306	38,882	38,588	38,751	38,724	38,988	(NA)
Attendance (ADA)	1,000	41,476	38,411	37,072	36,752	36,490	36,502	36,649	36,951	37,118
High school graduates	1,000	2,840	2,762	2,711	2,611	2,503	2,424	2,386	2,407	2,420
INSTRUCTIONAL STAFF										
Total	1,000	2,453	2,521	2,455	2,434	2,438	2,473	2,520	2,559	2,589
Classroom teachers	1,000	2,171	2,211	2,158	2,134	2,142	2,174	2,213	2,250	2,275
Average salaries:										
Instructional staff	Dollar	12,167	16,715	20,327	21,641	22,994	24,757	26,404	27,722	29,203
Classroom teachers	Dollar	11,690	15,970	19,274	20,695	21,921	23,593	25,198	26,534	28,031
REVENUES										
Revenue receipts	Mil. dol	63,047	97,635	113,999	120,778	128,952	140,874	152,813	162,453	172,379
Federal	Mil. dol	5,089	9,020	8,419	8,695	8,886	9,365	10,082	10,189	10,702
State	Mil. dol	27,472	47,929	54,573	57,587	61,645	69,057	75,520	80,545	85,913
Local	Mil. dol	30,486	40,686	51,007	54,496	58,421	62,451	67,210	71,719	75,765
Percent of revenue receipts:										
Federal	Percent	8.1	9.2	7.4	7.2	6.9	6.6	6.6	6.3	6.2
State	Percent	43.6	49.1	47.9	47.7	47.8	49.0	49.4	49.6	49.8
Local	Percent	48.4	41.7	44.7	45.1	45.3	44.3	44.0	44.1	44.0
EXPENDITURES										
Total	Mil. dol	62,340	96,105	113,005	119,159	126,780	139,186	152,218	161,265	171,690
Current expenditures (day schools)	Mil. dol	53,333	85,661	102,048	108,773	116,158	127,249	138,833	146,939	156,214
Other current expenditures [5]	Mil. dol	1,748	1,859	2,227	2,003	2,014	2,094	2,093	2,160	2,354
Capital outlay	Mil. dol	5,409	6,504	6,404	6,131	6,280	7,330	8,636	9,210	10,035
Interest on school debt	Mil. dol	1,850	2,081	2,326	2,252	2,328	2,513	2,657	2,956	3,087
Percent of total:										
Current expenditures (day schools)	Percent	85.6	89.1	90.3	91.3	91.6	91.4	91.2	91.1	91.0
Other current expenditures [5]	Percent	2.8	1.9	2.0	1.7	1.6	1.5	1.4	1.3	1.4
Capital outlay	Percent	8.7	6.8	5.7	5.1	5.0	5.3	5.7	5.7	5.8
Interest on school debt	Percent	3.0	2.2	2.1	1.9	1.8	1.8	1.7	1.8	1.8
In current dollars:										
Revenue receipts per pupil in—										
ADA	Dollar	1,520	2,542	3,075	3,286	3,534	3,859	4,170	4,396	4,644
ADM	Dollar	1,419	2,392	2,900	3,106	3,342	3,635	3,946	4,167	(NA)
Current expenditures per pupil in—										
ADA	Dollar	1,286	2,230	2,753	2,960	3,183	3,486	3,788	3,977	4,209
ADM	Dollar	1,200	2,099	2,596	2,797	3,010	3,284	3,585	3,769	(NA)
In constant (1988) dollars: [6]										
Revenue receipts per pupil in—										
ADA	Dollar	3,400	3,793	3,785	3,878	4,022	4,227	4,439	4,578	4,644
ADM	Dollar	3,174	3,569	3,570	3,666	3,804	3,981	4,201	4,340	(NA)
Current expenditures per pupil in—										
ADA	Dollar	2,876	3,328	3,389	3,494	3,623	3,818	4,033	4,142	4,209
ADM	Dollar	2,684	3,132	3,196	3,301	3,426	3,597	3,816	3,925	(NA)

NA Not available. [1] Estimated resident population as of July 1 of the previous year. [2] Fall enrollment of the previous year. [3] Kindergarten through grade 6. [4] Grades 7 through 12. [5] Current expenses for summer schools, adult education, post-high school vocational education, personnel retraining, etc., when operated by local school districts and not part of regular public elementary and secondary day-school program. [6] Compiled by U.S. Bureau of the Census. Deflated by the Consumer Price Index, all wage earners (for school year) supplied by U.S. Dept. of Education, National Center for Education Statistics.

Source: Except as noted, National Education Association, Washington, DC, *Estimates of School Statistics*, annual (copyright) and *Rankings of the States*, annual (copyright); and unpublished data.

No. 219. Public Elementary and Secondary Schools, by Type and Size of School: 1985

[Data reported by schools, rather than school districts]

ENROLLMENT SIZE OF SCHOOL	NUMBER OF SCHOOLS					ENROLLMENT (1,000)				
	Total	Elementary [1]	Secondary [2]	Combined [3]	Other [4]	Total	Elementary [1]	Secondary [2]	Combined [3]	Other [4]
Total	**84,007**	**57,231**	**22,320**	**1,596**	**2,860**	**39,965**	**23,019**	**15,867**	**758**	**320**
ERCENT DISTRIBUTION [5]										
Total [3]	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
nder 100 students	9.66	7.76	8.62	20.04	61.84	1.02	.97	.71	1.88	17.78
00 to 199 students	11.84	12.21	10.28	9.61	19.31	3.69	4.62	2.09	2.85	18.61
00 to 299 students	13.61	15.92	8.44	9.92	8.15	7.09	9.95	2.91	5.19	13.46
00 to 399 students	15.49	19.08	7.77	10.30	3.05	11.22	16.54	3.76	7.66	7.19
00 to 499 students	13.23	15.90	7.63	10.24	1.96	12.28	17.66	4.74	9.63	5.99
00 to 599 students	10.29	11.54	7.97	9.74	1.41	11.68	15.66	6.07	11.14	5.32
00 to 699 students	7.14	7.28	7.42	7.35	.68	9.58	11.66	6.67	10.03	2.96
00 to 799 students	4.81	4.30	6.46	5.34	1.23	7.46	7.97	6.71	8.33	6.27
00 to 999 students	5.55	3.86	10.30	7.54	.73	10.22	8.45	12.72	13.98	4.42
,000 to 1,499 students	5.37	1.91	14.67	7.29	.87	13.36	5.48	24.69	18.35	6.87
,500 to 1,999 students	1.91	.21	6.49	1.76	.46	6.77	.87	15.38	6.33	5.33
2,000 to 2,999 students	.97	.02	3.53	.75	.23	4.67	.13	11.33	3.74	3.68
3,000 or more students	.12	(Z)	.44	.13	.09	.93	.03	2.23	.69	2.12
Average enrollment [5]	(X)	(X)	(X)	(X)	(X)	482	403	721	476	146

X Not applicable. Z Less than .005 percent. [1] Includes schools beginning with grade 6 or below and with no grade higher than 8. [2] Includes schools with no grade lower than 7. [3] Includes schools with both elementary and secondary grades. [4] Includes special education, alternative, and other schools not classified by grade span. [5] Data for those schools reporting enrollment.

Source: U.S. Department of Education, National Center for Education Statistics, "Common Core of Data" survey.

No. 220. Public Elementary and Secondary School Enrollment, by State: 1975 to 1986

[Enrollment as of fall. Includes unclassified students. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	ENROLLMENT [1] (1,000)			ENROLLMENT RATE [2]		
	1975	1980	1986	1975	1980	1986
U.S.	**44,791**	**40,984**	**39,837**	**88.9**	**86.5**	**88.2**
Region:						
Northeast	9,667	8,213	7,294	85.1	82.3	83.5
Midwest	12,277	10,763	9,956	88.5	85.9	87.6
South	14,654	14,134	14,316	90.6	87.8	89.9
West	8,192	7,873	8,275	92.0	90.1	90.8
N. Eng	**2,557**	**2,186**	**1,904**	**89.6**	**86.6**	**87.4**
ME	251	222	212	98.0	91.5	96.3
NH	175	167	164	88.6	85.3	87.7
VT	105	96	92	90.4	87.9	91.2
MA	1,198	1,022	834	89.2	88.6	86.9
RI	176	148	134	82.8	79.7	81.7
CT	652	531	469	89.5	83.3	85.4
Mid. Atl	**[3] 7,110**	**6,026**	**5,389**	**83.6**	**80.8**	**82.3**
NY	[3] 3,406	2,871	2,608	83.1	80.8	82.9
NJ	[3] 1,458	1,246	1,107	84.7	81.5	83.1
PA	[3] 2,246	1,909	1,674	83.8	80.4	80.4
E. No. Cent	**8,774**	**7,689**	**7,035**	**88.2**	**85.6**	**87.2**
OH	2,293	1,957	1,794	89.0	84.8	86.5
IN	1,174	1,056	967	90.9	88.0	89.2
IL	2,270	1,983	1,825	85.5	82.6	83.4
MI	2,073	1,863	1,682	90.9	90.1	93.0
WI	964	830	768	84.1	82.1	84.1
W. No. Cent	**3,503**	**3,074**	**2,920**	**87.9**	**86.5**	**88.6**
MN	880	754	711	89.3	87.2	90.5
IA	612	534	481	88.3	88.4	88.6
MO	965	845	801	87.8	83.8	85.3
ND	131	117	119	82.1	85.9	90.2
SD	151	129	125	90.5	87.4	90.6
NE	316	280	267	86.5	86.6	88.4
KS	448	415	416	86.3	88.7	91.8
So. Atl	**7,102**	**6,671**	**6,583**	**90.8**	**87.4**	**89.3**
DE	127	99	94	90.4	79.5	81.7
So. Atl.—Con.						
MD	881	751	676	87.3	83.9	85.8
DC	130	100	86	87.8	91.8	94.5
VA	1,104	1,010	975	93.7	90.7	94.6
WV	404	384	352	98.6	92.6	92.1
NC	1,185	1,129	1,085	92.8	90.0	91.1
SC	630	619	612	89.8	88.1	89.7
GA	1,090	1,069	1,096	90.1	86.9	88.0
FL	1,551	1,510	1,607	88.8	84.4	87.0
E. So. Cent	**2,840**	**2,760**	**2,693**	**86.9**	**85.2**	**87.7**
KY	692	670	643	85.5	83.7	86.3
TN	877	854	818	90.5	87.8	88.6
AL	759	759	734	86.2	87.6	89.5
MS	512	477	499	84.1	79.6	85.6
W. So. Cent	**4,712**	**4,703**	**5,035**	**92.6**	**90.0**	**91.8**
AR	457	448	437	92.1	90.3	92.6
LA	847	778	795	84.7	80.3	84.5
OK	595	578	593	97.2	92.9	93.4
TX	2,813	2,900	3,210	94.5	92.4	93.3
Mt	**2,244**	**2,280**	**2,414**	**93.7**	**92.6**	**91.9**
MT	172	155	153	91.9	92.9	94.6
ID	197	203	208	96.4	95.4	93.3
WY	88	98	101	96.9	97.3	94.4
CO	569	546	558	93.6	92.2	93.2
NM	275	271	282	89.5	89.5	91.5
AZ	[3] 493	514	535	91.5	88.9	86.4
UT	310	344	416	98.6	98.2	96.5
NV	140	149	161	97.1	93.4	95.4
Pac	**5,948**	**5,593**	**5,861**	**91.4**	**88.4**	**90.3**
WA	785	758	761	93.6	91.0	93.1
OR	478	465	449	91.8	88.5	90.2
CA	4,420	4,118	4,378	91.4	88.0	89.8
AK	89	87	108	84.2	94.0	97.3
HI	176	165	165	84.8	83.4	84.2

[1] May include enrollment of 3 and 4 year olds in prekindergarten and kindergarten in some States. [2] Percent of persons, 5–17 years. Based on estimated resident population as of July 1, 1975 and 1986, and enumerated resident population as of April 1, 1980.
[3] Estimated.

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual; and *Statistics of Public Elementary and Secondary School Systems*, annual.

No. 221. Public Elementary and Secondary School Enrollment, by Grade: 1960 to 1986

[1960, for school year; thereafter, as of fall of year. Beginning 1975, kindergarten includes nursery schools. For 1970-1986 totals include ungraded, postgraduates, and special classes which are not prorated among grades. For 1960, enrollment figures are prorated and 12th grade includes postgraduates. See also *Historical Statistics, Colonial Times to 1970,* series H 420-424]

GRADE	ENROLLMENT (1,000)									PERCENT DISTRIBUTION		
	1960	1970	1971 [1]	1975	1980	1983	1984	1985	1986	1960	1980	1986
Pupils enrolled	**36,087**	**45,909**	**46,081**	**44,791**	**40,987**	**39,352**	**39,295**	**39,509**	**39,837**	**100.0**	**100.0**	**100.0**
Kindergarten and grades 1-8	**27,602**	**32,577**	**32,265**	**30,487**	**27,674**	**26,997**	**26,918**	**27,049**	**27,404**	**76.5**	**67.5**	**68.8**
Kindergarten	1,923	2,559	2,483	2,945	2,689	2,680	3,010	3,192	3,310	5.3	6.6	8.3
First	3,730	3,814	3,570	3,236	2,894	3,080	3,113	3,239	3,358	10.3	7.1	8.4
Second	3,436	3,654	3,587	3,027	2,800	2,781	2,904	2,941	3,054	9.5	6.8	7.7
Third	3,302	3,662	3,612	3,038	2,909	2,772	2,765	2,895	2,933	9.2	7.1	7.4
Fourth	3,146	3,676	3,623	3,112	3,115	2,798	2,772	2,771	2,898	8.7	7.6	7.3
Fifth	3,118	3,634	3,662	3,281	3,130	2,798	2,761	2,776	2,775	8.6	7.6	7.0
Sixth	3,070	3,599	3,622	3,476	3,038	2,938	2,823	2,789	2,806	8.5	7.4	7.0
Seventh	3,173	3,662	3,710	3,619	3,087	3,247	3,044	2,938	2,900	8.8	7.5	7.3
Eighth	2,701	3,601	3,635	3,636	3,091	3,232	3,186	2,982	2,870	7.5	7.5	7.2
Grades 9-12	**8,485**	**13,332**	**13,816**	**14,304**	**13,313**	**12,355**	**12,377**	**12,460**	**12,434**	**23.5**	**32.5**	**31.2**
Ninth	2,412	3,652	3,781	3,879	3,380	3,330	3,440	3,439	3,257	6.7	8.2	8.2
Tenth	2,258	3,457	3,571	3,723	3,375	3,100	3,145	3,230	3,215	6.3	8.2	8.1
Eleventh	2,063	3,127	3,200	3,354	3,195	2,881	2,819	2,866	2,954	5.7	7.8	7.4
Twelfth	1,752	2,774	2,862	2,986	2,925	2,678	2,589	2,550	2,601	4.8	7.1	6.5

[1] Represents peak enrollment year.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics,* annual.

No. 222. Public Elementary and Secondary School Teachers—Selected Characteristics: 1976 to 1986

[In percent, except median. As of spring. Based on sample of all public school teachers and subject to sampling variability]

CHARACTERISTIC	1976		1981			1986				
	Elementary	Secondary	Elementary	Junior high [1]	Senior high	Elementary	Junior high [1]	Senior high	Male	Female
AGE										
18 to 24 years old	(NA)	(NA)	3.6	4.8	2.8	2.6	4.1	1.6	1.8	3.1
25 to 34 years old	(NA)	(NA)	40.0	40.8	35.6	27.3	18.6	20.6	16.6	26.1
35 to 44 years old	(NA)	(NA)	28.5	27.8	34.2	36.6	44.6	43.8	47.0	37.7
45 to 54 years old	(NA)	(NA)	19.9	17.9	18.6	21.7	21.3	23.2	23.1	21.7
55 to 64 years old	(NA)	(NA)	7.2	8.4	8.6	11.1	10.8	10.3	11.0	10.8
65 years old and over	(NA)	(NA)	.9	.3	.2	.7	.7	.5	.5	.7
Median [2] age	34	33	37	36	37	39	40	41	41	39
SEX										
Male	12.8	52.2	17.7	41.3	51.5	13.8	38.6	53.0	100.0	(X)
Female	87.2	47.8	82.3	58.7	48.5	86.2	61.4	47.0	(X)	100.0
RACE										
White	89.7	91.8	90.8	89.4	94.0	89.3	86.7	92.0	90.6	89.2
Black	9.6	6.6	8.4	10.3	5.3	6.2	10.2	5.6	6.3	7.3
Other	[3] .7	[3] 1.6	.8	.3	.7	4.5	[illegible]	2.4	3.0	3.7
EDUCATION										
With bachelor's degree	69.8	53.8	54.9	52.7	42.8	53.6	47.9	40.2	38.3	52.9
With master's or 6 year degree	29.3	44.5	44.7	47.3	56.1	45.9	50.7	58.5	60.4	46.2
Required to pass competency test	(NA)	(NA)	25.9	17.9	17.4	19.9	21.2	18.1	19.2	19.5
EXPERIENCE										
With teaching experience of—										
1-2 years	10.1	12.5	6.0	6.1	5.2	4.3	5.0	4.9	3.1	5.3
3-4 years	15.9	15.8	8.7	11.0	7.0	5.7	3.2	4.3	3.1	5.5
5-9 years	28.6	29.0	28.2	25.0	22.3	19.4	19.6	13.9	12.7	18.8
10-14 years	15.6	19.0	20.5	22.0	27.2	24.4	17.9	23.0	20.7	23.1
15-19 years	12.1	12.9	14.5	16.8	16.0	21.6	24.9	23.8	24.8	22.3
20 or more years	17.5	10.6	22.3	19.2	22.3	24.7	29.6	30.1	35.6	23.8
Median [2] years	8	8	11	11	12	14	16	15	17	14
Would [4] become a teacher again	71.3	58.3	52.8	38.1	42.2	54.8	41.4	48.6	38.4	53.4
Would not [4] become a teacher again	16.1	32.6	30.4	41.5	40.1	25.8	38.3	34.5	42.2	28.2

NA Not available. X Not applicable. [1] Includes middle schools. [2] For definition of median, see Guide to Tabular Presentation. [3] Does not include minorities of Spanish descent. [4] Includes certainly would (would not) and probably would (would not).

Source: National Education Association, Washington, DC, *Status of the American Public School Teacher, 1975-76, 1980-81,* and *1985-86.* (Copyright.)

No. 223. Public Elementary and Secondary Schools—Number and Average Salary of Classroom Teachers, 1960 to 1988, and by State, 1988

[Estimates for school year ending in June of year shown. Schools classified by type of organization rather than by grade-group; elementary includes kindergarten]

YEAR AND STATE	TEACHERS [1] (1,000) Total	TEACHERS [1] (1,000) Elementary	TEACHERS [1] (1,000) Secondary	AVG. SALARY ($1,000) All teachers	AVG. SALARY ($1,000) Elementary	AVG. SALARY ($1,000) Secondary
1960	1,355	834	521	5.0	4.8	5.3
1970	2,006	1,108	898	8.6	8.4	8.9
1975	2,171	1,169	1,001	11.7	11.3	12.0
1977	2,186	1,176	1,011	13.4	13.0	13.8
1978	2,197	1,176	1,020	14.2	13.9	14.8
1979	2,206	1,193	1,013	15.0	14.7	15.4
1980	2,211	1,206	1,005	16.0	15.6	16.5
1981	2,192	1,196	996	17.6	17.2	18.1
1982	2,158	1,200	959	19.3	18.9	19.8
1983	2,134	1,182	952	20.7	20.2	21.3
1984	2,142	1,187	956	21.9	21.5	22.8
1985	2,174	1,208	966	23.6	23.2	24.2
1986	2,213	1,239	974	25.2	24.7	25.9
1987	2,250	1,273	977	26.5	26.0	27.2
1988, U.S.	**2,276**	**1,296**	**980**	**28.0**	**27.4**	**28.7**
AL	36.9	19.3	17.7	23.3	23.3	23.3
AK	6.2	2.6	3.7	40.4	40.0	40.7
AZ	31.9	23.9	8.0	27.4	27.4	27.4
AR	25.1	12.3	12.7	20.3	19.7	21.0
CA	196.5	132.1	64.4	33.1	32.4	34.1
CO	31.2	15.5	15.7	28.7	28.0	29.3
CT	34.5	20.9	13.6	33.5	33.2	34.2
DE	6.0	2.9	3.0	29.6	28.7	30.4
DC	5.6	3.3	2.3	36.5	36.5	36.5
FL	95.9	52.8	43.0	25.4	25.6	24.5
GA	59.4	37.1	22.4	26.2	26.0	26.8
HI	8.8	4.8	4.0	26.8	26.8	26.8
ID	10.3	5.4	4.9	22.8	22.0	23.6
IL	101.7	68.1	33.7	29.7	28.5	31.8
IN	53.1	27.8	25.3	27.4	26.7	28.2
IA	30.0	14.4	15.6	24.9	23.9	25.7
KS	27.3	15.6	11.8	24.4	24.4	24.4
KY	35.7	23.5	12.2	24.3	23.7	25.5

STATE	TEACHERS [1] (1,000) Total	TEACHERS [1] (1,000) Elementary	TEACHERS [1] (1,000) Secondary	AVG. SALARY ($1,000) All teachers	AVG. SALARY ($1,000) Elementary	AVG. SALARY ($1,000) Secondary
LA	43.0	29.6	13.4	20.9	20.6	21.6
ME	13.5	8.7	4.8	23.4	22.9	24.3
MD	39.6	18.6	21.0	30.8	30.8	30.8
MA	58.2	22.5	35.7	30.0	26.9	30.4
MI	82.4	53.6	28.8	32.9	32.7	33.3
MN	41.8	21.1	20.7	29.6	28.9	30.3
MS	26.3	14.8	11.5	20.7	20.3	21.1
MO	49.6	25.2	24.4	24.7	23.9	25.5
MT	9.7	6.6	3.1	23.8	23.2	24.9
NE	17.7	9.5	8.2	23.2	22.2	24.2
NV	8.3	4.6	3.8	27.6	26.9	28.4
NH	10.4	6.3	4.1	24.0	23.9	24.1
NJ	75.5	45.1	30.4	30.8	30.3	31.5
NM	15.0	9.9	5.1	24.4	24.4	24.4
NY	176.0	83.8	92.2	33.6	32.4	34.7
NC	59.7	34.8	24.9	25.1	25.0	25.2
ND	7.7	4.9	2.8	21.7	21.6	21.8
OH	99.6	54.6	45.0	28.8	28.0	29.8
OK	35.0	17.8	17.2	22.0	21.3	22.7
OR	24.9	14.6	10.3	27.8	27.3	28.3
PA	102.9	49.7	53.2	29.0	28.7	29.2
RI	8.9	4.9	4.1	32.9	32.8	32.9
SC	34.7	22.5	12.2	24.2	23.6	25.3
SD	8.5	5.7	2.8	19.8	19.6	19.8
TN	42.5	26.5	16.0	23.8	23.7	23.9
TX	187.2	98.9	88.4	25.7	24.9	26.5
UT	18.1	11.5	6.6	23.9	22.8	25.0
VT	6.5	2.9	3.6	23.4	22.9	23.8
VA	60.3	35.1	25.2	27.4	26.6	28.5
WA	37.8	22.8	15.0	28.0	27.5	28.6
WV	22.7	13.2	9.5	21.7	21.3	22.3
WI	47.7	28.1	19.7	29.2	28.4	30.0
WY	7.4	4.9	2.6	29.4	28.8	30.6

[1] Full-time equivalent.

Source: National Education Association, Washington, DC, *Estimates of School Statistics, 1987-88* and earlier issues. (Copyright © by the National Education Association. All rights reserved.)

No. 224. Average Starting Salaries of Public School Teachers Compared With Salaries in Private Industry, by Selected Position: 1975 to 1988

[Except as noted, salaries represent what corporations plan to offer graduates graduating in the year shown with bachelors' degrees. Based on a survey of approximately 200 companies]

ITEM AND POSITION	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
SALARIES (dollars)										
Teachers [1]	8,233	10,764	11,758	12,769	13,368	14,500	15,460	16,500	17,500	(NA)
College graduates:										
Engineering	12,744	20,136	22,368	25,428	25,800	26,844	26,880	28,512	28,932	29,820
Accounting	11,880	15,720	16,980	18,648	19,476	20,172	20,628	21,216	22,512	24,324
Sales—marketing	10,344	15,936	17,220	18,372	18,648	19,620	20,616	20,688	20,232	22,848
Business administration	9,768	14,100	16,200	17,448	18,564	19,416	19,896	21,324	21,972	22,920
Liberal arts [2]	9,312	13,296	15,444	15,924	18,264	19,344	18,828	21,060	20,508	22,596
Chemistry	11,904	17,124	19,536	21,492	22,344	24,192	24,216	24,264	27,048	25,692
Mathematics—statistics	10,980	17,604	18,600	21,516	21,696	22,416	22,704	23,976	25,548	26,112
Economics—finance	10,212	14,472	16,884	17,532	19,740	20,484	20,964	22,284	21,984	23,136
Computer science	(NA)	17,712	20,364	22,260	23,208	24,864	24,156	26,172	26,280	27,372
INDEX (1975=100)										
Teachers [1]	100	131	143	155	162	176	187	200	213	(NA)
College graduates:										
Engineering	100	158	176	200	202	211	211	224	227	234
Accounting	100	132	143	157	164	170	174	179	189	205
Sales—marketing	100	154	166	178	180	190	199	200	196	221
Business administration	100	144	166	179	190	199	204	218	225	234
Liberal arts [2]	100	143	166	171	196	208	202	226	220	243
Chemistry	100	144	164	181	188	203	203	204	227	216
Mathematics—statistics	100	160	169	196	198	204	207	218	233	238
Economics—finance	100	142	165	172	193	201	205	218	215	226
Computer science [3]	(NA)	125	144	157	164	176	171	185	186	194

NA Not available. [1] Estimate. Minimum mean salary. Source: National Education Association, Washington, DC, *Estimates of School Statistics*, annual (copyright). [2] Excludes Chemistry, Mathematics, Economics and Computer Science. [3] Computer science index (1978=100).

Source: Except as noted, Northwestern University Placement Center, Evanston, IL, *The Northwestern Lindquist-Endicott Report*. (Copyright.)

No. 225. Average Salary and Wages Paid in Public School Systems, by Selected Positions: 1975 to 1988

[In dollars. For school year ending in year shown. Data reported by a stratified sample of school systems enrolling 300 or more pupils. Data represent unweighted means of average salaries paid school personnel reported by each school system]

POSITION	1975	1980	1982	1983	1984	1985	1986	1987
ANNUAL SALARY								
Central office administrators:								
Superintendent (contract salary)	30,338	39,344	46,664	50,260	52,483	56,954	60,707	64,580
Deputy/assoc. superintendent	30,074	37,440	44,777	47,404	48,507	52,877	57,190	60,222
Assistant superintendent	26,460	33,452	39,799	42,194	43,983	49,003	51,200	53,656
Administrators for:								
Finance and business	21,850	27,147	32,967	34,987	36,909	40,344	43,200	45,259
Instructional services	22,608	29,790	35,973	38,018	39,580	43,452	46,110	48,810
Public relations/information	21,470	24,021	28,506	30,720	32,203	35,287	37,329	38,925
Staff personnel services	21,470	29,623	35,192	38,201	39,857	44,182	46,269	48,627
Subject area supervisors	18,601	23,974	29,063	30,905	31,537	34,422	36,797	38,763
School building administrators:								
Principals:								
Elementary	19,061	25,165	30,242	32,451	34,033	36,452	39,024	41,536
Junior high/middle	21,136	27,625	32,881	34,996	36,779	39,650	42,365	44,861
Senior high	22,894	29,207	34,776	37,602	39,334	42,094	44,986	47,896
Assistant principals:								
Elementary	15,968	20,708	25,331	27,419	28,087	30,496	32,895	34,347
Junior high/middle	17,868	23,507	28,176	29,748	31,257	33,793	36,094	37,958
Senior high	18,939	24,816	29,506	31,252	32,655	35,491	37,616	39,758
Classroom teachers	11,507	15,913	19,275	20,809	22,039	23,587	25,276	26,731
Auxiliary professional personnel:								
Counselors	14,479	18,847	22,935	24,547	25,759	27,503	29,366	31,132
Librarians	12,546	16,764	20,496	22,040	23,173	24,981	26,668	28,390
School nurses	10,673	13,788	16,704	17,630	18,310	19,944	21,339	22,219
Secretarial/clerical personnel:								
Central office:								
Secretaries/stenographers	7,318	10,331	12,718	13,639	14,366	15,343	16,383	17,182
Accounting/payroll clerks	7,588	10,479	12,720	13,676	14,522	15,421	16,604	17,273
Clerk-typists	6,069	8,359	10,314	10,930	11,561	12,481	13,208	13,729
School building level:								
Secretaries/stenographers	6,046	8,348	10,301	11,004	11,613	12,504	13,233	13,947
Library clerks	5,052	6,778	8,272	8,467	8,969	9,911	10,412	10,641
HOURLY WAGE RATE								
Other support personnel:								
Teacher aides:								
Instructional	2.91	4.06	4.88	5.28	5.48	5.89	6.20	6.43
Noninstructional	2.81	3.89	4.70	5.01	5.22	5.60	5.91	6.14
Custodians	3.54	4.88	5.95	6.23	6.49	6.90	7.28	7.51
Cafeteria workers	2.61	3.18	4.57	4.87	5.09	5.42	5.76	5.92
Bus drivers	3.75	5.21	6.26	6.56	6.89	7.27	7.72	8.06

Source: Educational Research Service, Arlington, VA, *National Survey of Salaries and Wages in Public Schools*, annual, vols and 3. (All rights reserved. Copyright.)

No. 226. Public Elementary and Secondary Schools—Employees and Payrolls of State and Local Governments: 1980 to 1986

[For **October**. Data are estimates, subject to sampling variability. For details, see source. See also Appendix III]

YEAR AND FUNCTION	EMPLOYEES (1,000)				OCTOBER PAYROLL				
	Total	Local government	Full-time		Total (mil. dol.)	Local government (mil. dol.)	Full-time employees		
			Total	Local government			Total (mil. dol.)	Local government (mil. dol.)	Average earnings (dol.)
									Total
1980: Total, public schools	4,868	4,848	3,798	3,782	5,522	5,498	5,181	5,157	1,364
Percent of all employees	36.6	50.7	36.8	50.8	37.5	52.6	37.6	52.3	102.0
Instructional employees	3,164	3,149	2,764	2,751	4,324	4,303	4,182	4,163	1,513
Other	1,704	1,699	1,035	1,030	1,198	1,192	999	994	986
1985: Total, public schools	4,994	4,969	3,911	3,892	7,839	7,800	7,340	7,303	1,877
Percent of all employees	36.5	51.3	37.0	51.4	36.7	51.9	36.8	51.7	99.6
Instructional employees	3,306	3,291	2,832	2,819	6,158	6,129	5,929	5,901	2,093
Other	1,688	1,678	1,079	1,073	1,681	1,671	1,411	1,402	1,308
1986: Total, public schools	5,090	5,065	3,977	3,959	8,662	8,622	8,106	8,069	2,038
Percent of all employees	36.6	51.4	37.1	51.5	37.5	52.9	37.6	52.7	101.4
Instructional employees	3,375	3,359	2,878	2,865	6,814	6,784	6,552	6,524	2,276
Other	1,715	1,706	1,099	1,093	1,848	1,838	1,554	1,545	1,414

Source: U.S. Bureau of the Census, *Public Employment*, series GF, No. 1, annual.

No. 227. Public Elementary and Secondary School Price Indexes: 1975 to 1987

[1975 = 100. For years ending **June 30.** Reflects prices paid by public elementary-secondary schools. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR	Index, total	Average annual percent change [1]	PERSONNEL COMPENSATION				CONTRACTED SERVICES, SUPPLIES, AND EQUIPMENT						
			Total	Professional salaries	Nonprofessional salaries	Fringe benefits	Total	Services	Supplies and materials	Equipment replacement	Library materials and textbooks	Utilities	Fixed costs
1975	100	(x)	100	100	100	100	100	100	100	100	100	100	100
1976	109	8.6	109	108	107	118	109	107	106	110	113	111	113
1977	116	6.9	116	113	114	137	117	114	113	116	120	123	128
1978	124	6.6	123	120	122	149	127	121	119	124	134	135	142
1979	136	9.3	135	128	131	184	139	128	131	135	143	156	160
1980	148	9.0	145	137	140	209	158	139	148	148	153	204	179
1981	166	12.2	162	152	155	243	180	154	165	164	162	258	200
1982	182	9.7	179	166	170	280	194	170	174	178	171	285	218
1983	194	6.6	192	179	180	307	199	180	172	186	186	279	231
1984	205	5.9	205	189	188	342	206	191	176	192	199	274	248
1985	220	7.1	222	203	200	387	212	202	178	197	210	269	261
1986	233	5.8	237	217	212	417	214	213	177	202	221	246	274
1987	244	4.7	250	229	219	440	218	220	179	207	236	232	286

X Not applicable. [1] Change from immediate prior year shown.

Source: 1975–1982, U.S. National Institute of Education, *Inflation Measures for Schools and Colleges, 1983;* thereafter, Research Associates of Washington, Washington, DC, *School Price Index,* annual.

No. 228. Finances of Public School Systems, 1980 to 1986, and by Enrollment-Size Group, 1986

[In millions of dollars, except percent. Data are estimates subject to sampling variability. For details, see source. Minus sign (−) indicates decrease. See also Appendix III]

ITEM	1980, all school systems	1985, all school systems	1986, BY ENROLLMENT-SIZE GROUP						
			All school systems		50,000 or more	25,000 to 49,999	15,000 to 24,999	7,500 to 14,999	Under 7,500
			Total	Percent change [1]					
General revenue [2]	**101,970**	**145,378**	**157,979**	**8.7**	**29,308**	**14,575**	**13,522**	**24,086**	**76,488**
Intergovernmental	56,279	78,218	85,932	9.9	16,382	8,484	7,932	13,597	39,536
From Federal government	1,645	1,373	1,460	6.0	286	118	107	248	701
From States	53,088	74,785	82,144	9.8	15,916	8,143	7,611	13,048	37,426
Federal aid distributed by State governments	7,459	7,548	8,197	8.6	2,006	783	675	1,150	3,583
From local governments	1,547	2,060	2,328	13.0	181	223	215	301	1,408
From own sources	45,692	67,157	72,047	7.3	12,926	6,090	5,589	10,486	36,954
Taxes	29,212	44,750	48,002	7.3	6,202	4,025	3,686	6,978	27,111
Property	28,089	43,539	46,739	7.4	5,892	3,916	3,619	6,798	26,514
Contribution from parent government	8,809	11,404	12,650	10.9	5,226	915	759	1,617	4,131
Charges and miscellaneous	7,670	11,003	11,395	3.6	1,496	1,151	1,144	1,893	5,711
Current charges	4,417	6,181	6,582	6.5	782	656	731	1,145	3,268
School lunch sales	2,003	2,604	2,782	6.8	376	270	247	457	1,432
Interest earnings	1,764	2,691	2,541	−5.6	349	229	217	388	1,358
Other	1,489	2,132	2,272	6.6	366	286	197	380	1,083
General expenditure [2]	**100,532**	**142,251**	**156,277**	**9.9**	**28,366**	**14,445**	**13,439**	**23,850**	**76,177**
Intergovernmental	470	381	389	2.1	29	5	10	51	294
Direct	100,063	141,871	155,888	9.9	28,336	14,440	13,430	23,799	75,881
Current operation	90,589	130,686	142,776	9.3	26,351	13,171	12,207	21,710	69,337
Salaries and wages	61,944	88,512	96,536	9.1	18,420	9,271	8,474	14,920	45,451
Capital outlay	7,517	8,684	10,343	19.1	1,653	965	963	1,639	5,123
Construction	5,226	5,181	6,318	22.0	932	619	579	1,063	3,125
Interest on debt	1,957	2,520	2,770	9.9	334	304	200	450	1,422
Direct expenditure [3] by level of instruction:									
Elementary and secondary	92,113	131,308	144,513	10.1	27,073	12,925	11,664	21,595	71,256
Higher education	5,993	8,043	8,605	7.0	931	1,211	1,506	1,753	3,205
Debt outstanding [4]	**36,685**	**36,799**	**39,588**	**7.6**	**5,197**	**4,253**	**3,805**	**6,474**	**19,859**
Long-term	35,405	34,994	37,686	7.7	5,124	4,090	3,679	6,139	18,654
Short-term	1,280	1,805	1,903	5.4	73	163	125	335	1,207
Long-term debt issued	2,961	6,054	8,345	37.8	1,709	968	834	1,279	3,555
Long-term debt retired	2,997	5,536	6,140	10.9	1,399	616	592	760	2,773
Cash, security holdings, excl. employee-retirement [3]	16,733	27,902	29,615	6.1	4,994	2,945	2,673	4,606	14,397

[1] Change from 1985. [2] Excludes interschool system transactions. [3] For current operation and capital outlay. [4] As of end of fiscal year.

Source: U.S. Bureau of the Census, *Finances of Public School Systems,* series GF, No. 10, annual.

NO. 229. PUBLIC ELEMENTARY AND SECONDARY SCHOOL ESTIMATED FINANCES, 1970 TO 1988, AND BY STATE, 1988

[In millions of dollars, except as noted. For school years ending in June of year shown]

YEAR AND STATE	RECEIPTS						EXPENDITURES				
	Total	Revenue receipts				Non-revenue receipts [1]	Total [2]	Per capita [3] (dol.)	Current expenditures		
		Total	Source						Elem. and secondary day schools	Average per pupil in ADA [4]	
			Federal	State	Local					Amount (dol.)	Rank
1970	41,621	38,192	2,767	15,628	19,797	3,429	39,091	194	32,683	773	(X)
1975	66,319	63,047	5,089	27,472	30,486	3,273	62,340	292	53,333	1,286	(X)
1980	101,724	97,635	9,020	47,929	40,686	4,089	96,105	426	85,661	2,230	(X)
1982	117,776	113,999	8,419	54,573	51,007	3,777	113,005	492	102,048	2,753	(X)
1983	125,446	120,778	8,695	57,587	54,496	4,668	119,159	509	108,773	2,960	(X)
1984	133,434	128,952	8,886	61,645	58,421	4,482	126,780	536	116,156	3,183	(X)
1985	146,615	140,874	9,365	69,057	62,451	5,741	139,186	583	127,249	3,486	(X)
1986	159,812	152,813	10,082	75,520	67,210	6,999	152,218	631	138,833	3,769	(X)
1987	169,719	162,453	10,189	80,545	71,719	7,266	161,265	663	146,939	3,977	(X)
1988, total	**180,083**	**172,379**	**10,702**	**85,913**	**75,765**	**7,703**	**171,880**	**705**	**156,214**	**4,259**	(X)
Alabama	2,059	1,952	250	1,352	350	107	2,059	504	1,900	2,752	49
Alaska	745	662	48	446	168	83	812	1,547	661	7,038	1
Arizona	2,058	2,058	73	1,100	885	-	1,830	570	1,795	3,265	40
Arkansas	1,299	1,286	120	789	378	12	1,087	455	980	2,410	51
California	19,878	19,739	1,447	13,439	4,853	139	18,063	686	17,633	3,994	26
Colorado	2,688	2,555	117	967	1,470	133	2,496	757	2,244	4,359	17
Connecticut	2,912	2,911	119	1,227	1,565	1	2,912	907	2,730	6,141	5
Delaware	491	481	36	330	115	10	465	722	438	4,994	10
District of Columbia	457	457	49	-	409	-	472	759	438	5,643	6
Florida	7,781	7,457	495	3,918	3,044	324	7,718	642	6,717	4,389	16
Georgia	3,644	3,636	276	2,042	1,318	8	3,474	556	3,134	2,939	46
Hawaii	650	650	56	592	1	-	648	598	599	3,894	30
Idaho	608	598	44	366	188	10	621	622	562	2,814	47
Illinois	8,105	7,595	561	2,885	4,150	510	7,249	626	6,574	4,217	20
Indiana	3,784	3,704	149	2,222	1,333	80	3,604	652	3,190	3,616	35
Iowa	1,840	1,807	101	780	927	33	1,856	655	1,740	3,846	32
Kansas	1,824	1,799	84	788	926	25	1,805	729	1,609	4,262	19
Kentucky	2,290	2,148	217	1,492	438	142	2,108	566	1,943	3,355	38
Louisiana	2,944	2,564	316	1,367	880	379	2,674	599	2,358	3,211	41
Maine	896	868	48	471	349	28	896	755	829	4,276	18
Maryland	3,410	3,406	180	1,357	1,869	4	3,313	731	3,031	4,871	13
Massachusetts	4,055	4,051	231	1,892	1,928	4	4,215	720	3,958	5,396	8
Michigan	6,934	6,869	251	2,415	4,203	66	6,872	747	6,319	4,122	22
Minnesota	3,498	3,313	153	1,884	1,277	185	3,394	799	3,051	4,513	15
Mississippi	1,465	1,375	216	750	409	90	1,386	531	1,290	2,760	48
Missouri	3,118	3,025	175	1,226	1,625	92	2,880	567	2,581	3,566	36
Montana	683	669	53	329	286	14	633	782	566	4,061	24
Nebraska	980	956	50	254	652	23	970	609	909	3,641	34
Nevada	648	648	27	260	362	(Z)	679	674	572	3,829	33
New Hampshire	686	632	21	48	563	54	683	627	598	3,900	27
New Jersey	7,566	7,461	310	3,189	3,962	105	7,214	940	6,984	6,910	2
New Mexico	1,039	1,028	122	785	121	10	1,188	792	952	3,880	31
New York	17,228	16,878	840	7,327	8,711	350	16,437	922	15,670	6,864	4
North Carolina	3,929	3,906	249	2,520	1,137	23	4,003	624	3,844	3,911	28
North Dakota	442	430	32	220	178	12	420	625	382	3,353	39
Ohio	7,996	7,005	315	3,320	3,370	990	7,280	673	6,687	4,010	25
Oklahoma	1,816	1,696	96	1,100	500	120	1,933	591	1,680	3,051	45
Oregon	2,062	2,037	128	541	1,368	25	2,080	756	1,922	4,574	14
Pennsylvania	10,377	8,773	374	4,046	4,353	1,604	8,706	729	7,086	5,063	9
Rhode Island	680	680	29	294	357	(Z)	683	690	666	5,456	7
South Carolina	2,234	2,120	173	1,187	760	114	2,023	591	1,767	3,075	44
South Dakota	435	423	38	117	268	13	421	594	379	3,159	43
Tennessee	2,507	2,408	232	1,214	963	99	2,631	542	2,463	3,189	42
Texas	14,117	12,726	953	5,678	6,095	1,391	12,604	751	10,573	3,462	37
Utah	1,176	1,167	67	668	432	9	1,201	715	1,045	2,658	50
Vermont	442	436	26	150	260	6	463	845	436	4,940	12
Virginia	4,320	4,252	204	1,485	2,564	68	4,026	682	3,769	4,145	21
Washington	3,399	3,321	192	2,444	685	78	3,776	832	2,948	4,083	23
West Virginia	1,471	1,448	176	892	380	23	1,380	717	1,230	3,895	29
Wisconsin	3,619	3,570	162	1,437	1,970	50	3,636	756	3,413	4,891	11
Wyoming	801	743	22	320	401	58	765	1,561	644	6,885	3

— Represents zero. X Not applicable. Z Less than $500,000. [1] Amount received by local education agencies from the sales of bonds and real property and equipment, loans and proceeds from insurance adjustments. [2] Includes interest on school debt and other current expenditures not shown separately. [3] Based on Bureau of the Census estimated resident population, as of July 1, the previous year. [4] Average daily attendance.

Source: National Education Association, Washington, DC, *Estimates of School Statistics*, annual (copyright), and unpublished data.

No. 230. School Library Media Centers (LMC)—Expenditures, Collection Size and Microcomputers, by Selected Characteristic: 1986

r school year ending in **June.** Based on sample survey of approximately 33,000 school library subscribers to *The School Library Journal.* Except as indicated, figures are medians. For definition of median, see Guide to Tabular Presentation. For composition of regions, see inside front cover]

CHARACTERISTIC	PER PUPIL EXPENDITURES (dol.)			COLLECTION SIZE				MICRO-COMPUTERS [1]	
	Books	Periodicals	Audio-visual material	Books		Audio-visuals		Total	In LMC's
				Total	Per pupil	Total	Per pupil		
evel of school:									
Elementary	3.65	.87	2.07	8,000	19	1,060	2.40	12.8	3.6
Junior high	4.81	1.47	1.98	10,329	15	865	1.57	26.2	4.0
Senior high	5.41	2.04	1.76	12,557	15	1,000	1.12	34.3	3.4
Other	4.21	1.27	1.71	10,000	17	800	1.47	21.6	3.7
chool enrollment:									
Less than 300 students	6.77	2.83	2.09	6,785	28	409	1.98	13.0	2.8
300 to 499 students	4.84	1.40	2.54	8,000	20	888	2.29	14.1	3.5
500 to 699 students	4.16	1.29	1.82	10,000	17	1,000	1.77	20.2	3.8
700 to 999 students	4.07	1.12	1.92	10,670	13	1,000	1.20	25.6	4.0
1,000 to 1,999 students	3.86	1.16	1.59	15,000	12	1,536	1.16	43.7	3.1
Over 2,000 students	4.57	1.04	1.63	23,000	9	2,150	.87	51.3	6.7
egion of school:									
Northeast	5.73	1.60	2.37	10,500	19	1,098	1.94	25.2	2.9
Midwest	5.07	1.78	2.34	10,000	19	867	1.61	22.3	4.8
South	3.87	.96	1.65	9,580	14	1,162	1.75	20.3	3.2
West	4.13	1.14	1.94	9,300	15	600	.85	27.6	3.5
Schools:									
With district media coordinator	(NA)	(NA)	(NA)	10,000	15	1,182	1.79	24.0	3.6
With no district media coordinator	(NA)	(NA)	(NA)	9,700	16	823	1.48	21.8	3.7

NA Not available. [1] Mean number of micros in schools with micros. For definition of mean, see Guide to Tabular Presentation.

Source: R.R. Bowker, New York, NY, "Expenditures for Resources in School Library Media Centers FY '85-'86," by Marilyn L. Miller and Barbera B. Moran, *School Library Journal,* June/July, 1987. (Copyright.)

No. 231. Computer Use by Students, Grades K-12—Selected Characteristics by Place of Use: 1984

[As of **October.** Based on Current Population Survey; see text, section 1 and Appendix III. For similar data on college students, see table 253]

ITEM	Total students (1,000)	PLACE OF USE OF COMPUTER							
		Number (1,000)				Percent			
		Total [1]	School	Home	Both	Total [1]	School	Home	Both
Total enrolled	**44,221**	**15,248**	**12,335**	**5,425**	**2,512**	**34.5**	**27.9**	**12.3**	**5.7**
Male	22,670	8,260	6,541	3,334	1,615	36.4	28.9	14.7	7.1
Female	21,551	6,989	5,794	2,092	897	32.4	26.9	9.7	4.2
White	35,860	13,483	10,850	4,939	2,306	37.6	30.3	13.8	6.4
Black	6,760	1,252	1,046	346	140	18.5	15.5	5.1	2.1
Other	1,601	513	439	140	66	32.0	27.4	8.7	4.1
Hispanic [2]	3,653	714	636	127	49	19.5	17.4	3.5	1.3
Non-Hispanic	40,568	14,534	11,699	5,298	2,463	35.8	28.8	13.1	6.1
Enrolled in—									
Public school	39,901	13,501	10,953	4,664	2,116	33.8	27.4	11.7	5.3
Grades K-4	14,722	4,067	3,236	1,401	570	27.6	22.0	9.5	3.9
Grades 5-8	12,382	5,159	4,383	1,679	903	41.7	35.4	13.6	7.3
Grades 9-12	12,797	4,275	3,334	1,584	643	33.4	26.1	12.4	5.0
Private school	4,320	1,747	1,382	761	396	40.4	32.0	17.6	9.2
Grades K-4	1,989	655	487	305	137	32.9	24.5	15.3	6.9
Grades 5-8	1,262	679	589	258	168	53.8	46.7	20.4	13.3
Grades 9-12	1,069	413	306	198	91	38.6	28.6	18.5	8.5

[1] Total who use computers at home or at school. Excludes duplication. [2] Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-23, No. 155 and unpublished data.

No. 232. Microcomputers for Student Instruction in Elementary and Secondary Schools: 1981 to 1987

[**As of fall for public schools; as of mid-winter of the previous year for private schools.** Public school data based on surveys of every school district and all public schools. Private school data based on surveys of all Catholic and private schools. For details, see source]

YEAR	PUBLIC SCHOOLS										PRIVATE SCHOOLS			
	Number of schools (1,000)				Percent with micros				Number of micros [2] (1,000)	Students per micro [3]	Number of schools (1,000)	Percent with micros	Number of micros [2] (1,000)	Students per micro [3]
	Total [1]	Elementary	Junior	Senior	Total	Elementary	Junior	Senior						
1981	84.2	53.3	10.1	15.6	18.2	11.1	25.6	42.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982	82.4	51.9	9.9	15.3	30.0	20.2	39.8	57.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1983	81.5	51.3	9.8	15.2	68.4	62.4	80.5	86.1	324.4	92.3	22.8	23.8	(NA)	(NA)
1984	81.1	51.0	9.8	15.2	85.1	82.2	93.1	94.6	569.8	63.5	24.4	53.0	62.2	58.2
1985	80.8	50.8	9.7	15.1	92.2	91.0	97.3	97.4	842.6	45.5	23.4	70.3	101.2	41.6
1986	80.5	50.7	9.7	15.1	95.6	94.9	98.5	98.7	1,081.9	36.5	22.7	77.1	129.2	33.7
1987	80.6	50.9	9.7	15.0	96.4	96.0	98.6	99.0	1,354.0	30.8	22.7	78.7	151.1	28.8
Number of micros [2]	1,354.0	576.1	225.6	449.6	(X)	(X)	(X)	(X)	(X)	(X)	151.1	(X)	(X)	(X)
Students per micro [3]	30.8	36.5	27.6	26.3	(X)	(X)	(X)	(X)	(X)	(X)	28.8	(X)	(X)	(X)

NA Not available. X Not applicable. [1] Includes other schools, not shown separately. [2] Includes estimates for schools not reporting number of micros. [3] For schools reporting number of micros.

Source: Market Data Retrieval, Shelton, CT, *Microcomputers in Schools, 1986–87,* (copyright), and unpublished data.

No. 233. Public Elementary and Secondary Students in Educational Programs for the Handicapped, by Type of Handicap: 1978 to 1987

[For school year ending in year shown. **For persons under 22 years old.** Funds appropriated are for three grant programs based on the counts of handicapped children: Education of handicapped children in State operated or supported schools; handicapped State grants; and handicapped pre-school incentive grants. Excludes outlying areas]

ITEM	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Federal funds appropriated (mil. dol.)	700.5	953.9	1,044.5	1,055.8	1,101.3	1,189.4	1,241.7	1,314.3	1,335.7	1,660.3
All conditions (1,000)	**3,751**	**3,889**	**4,005**	**4,142**	**4,198**	**4,255**	**4,298**	**4,315**	**4,317**	**4,374**
PERCENT DISTRIBUTION										
Learning disabled	25.7	29.1	31.9	35.3	38.6	40.9	42.0	42.4	43.1	43.6
Speech impaired	32.6	31.2	29.6	28.2	27.0	26.6	26.2	26.1	26.1	25.8
Mentally retarded	24.9	23.2	21.7	20.0	18.7	17.8	16.9	16.1	15.3	15.0
Emotionally disturbed	7.7	7.7	8.2	8.4	8.1	8.3	8.4	8.6	8.7	8.7
Hard of hearing and deaf	2.3	2.2	2.0	1.9	1.8	1.7	1.7	1.6	1.5	1.5
Orthopedically handicapped	2.3	1.8	1.6	1.4	1.4	1.3	1.3	1.3	1.3	1.3
Other health impaired	3.6	2.7	2.6	2.4	1.9	1.2	1.2	1.6	1.3	1.2
Visually handicapped	.9	.8	.8	.8	.7	.7	.7	.7	.6	1.8
Multihandicapped	(NA)	1.3	1.5	1.6	1.7	1.5	1.5	1.6	2.0	2.2
Deaf-blind	(NA)	.1	.1	.1	.1	.1	.1	.1	(Z)	(Z)

NA Not available. Z Less than .05 percent.

Source: U.S. Dept. of Education, Office of Special Education Programs, *Annual Report to Congress.*

No. 234. Catholic Elementary and Secondary Schools: 1960 to 1987

[As of **October 1.** Regular sessions only. See also *Historical Statistics, Colonial Times to 1970,* series H 535–544]

ITEM	Unit	1960	1965	1970	1975	1980	1983	1984	1985	1986	1987
Elementary schools	Number	10,501	10,879	9,362	8,340	8,043	7,937	7,891	7,806	7,693	7,601
Pupils enrolled	1,000	4,373	4,492	3,359	2,525	2,269	2,180	2,120	2,057	1,998	1,942
Teachers, total	1,000	108	120	112	99	97	99	100	97	94	90
Religious	1,000	79	76	52	35	25	21	20	18	17	15
Lay	1,000	29	44	60	64	72	78	80	79	77	76
Secondary schools	Number	2,392	2,413	1,981	1,653	1,516	1,464	1,449	1,430	1,409	1,391
Pupils enrolled	1,000	880	1,082	1,008	890	837	788	782	762	728	681
Teachers, total	1,000	44	57	54	50	49	48	50	50	48	47
Religious	1,000	33	38	28	20	14	12	12	11	10	10
Lay	1,000	11	19	26	30	35	36	38	39	38	37

Source: National Catholic Educational Association, Washington, DC, *A Statistical Report on Catholic Elementary and Secondary Schools for the Years 1967–68 to 1969–70,* and *U.S. Catholic Schools, 1973–74,* and National Catholic Educational Association/Ganley's, *Catholic Schools in America,* annual. (Copyright.)

235. CHARACTERISTICS OF PRIVATE ELEMENTARY AND SECONDARY SCHOOLS AND TEACHERS, BY LEVEL AND AFFILIATION OF SCHOOL: 1986

school year ending in year shown. Based on survey and subject to sampling error; for details, see source. For similar data on public school teachers, see table 222]

ITEM	Total	LEVEL OF SCHOOL				RELIGIOUS AFFILIATION		
		Elementary	Secondary	Combined	Other	Catholic	Other	None
ber of schools	**25,616**	**15,303**	**2,438**	**4,949**	**2,926**	**9,911**	**10,771**	**4,934**
PERCENT DISTRIBUTION								
s in operation:								
years or less	25.5	20.2	9.9	41.4	39.2	1.7	45.2	30.2
years or more	50.3	63.3	62.6	21.9	20.0	84.1	29.3	28.2
rity enrollment:								
ess than 5 percent	38.9	45.1	27.8	37.1	18.7	45.8	40.5	21.6
to 14 percent	22.4	19.8	36.1	23.4	22.9	20.4	20.9	29.4
5 to 24 percent	10.6	7.7	14.4	11.6	21.1	8.9	12.7	9.8
5 to 49 percent	10.0	7.8	11.8	5.1	28.6	7.2	8.4	19.3
) to 89 percent	9.9	9.2	4.4	18.2	4.6	6.3	12.1	12.7
) percent or more	8.1	10.4	5.4	4.6	4.1	11.5	5.4	7.1
ual tuition:								
ess than $500	13.0	18.8	4.8	5.4	1.1	25.6	6.3	1.1
500 to $1,000	27.9	35.1	4.4	29.6	5.0	37.1	30.8	1.0
1,001 to $1,500	26.4	29.1	34.4	22.7	9.3	25.7	30.7	17.6
1,501 to $2,500	14.6	8.3	28.7	18.0	31.8	7.7	20.4	16.0
lore than $2,500	18.2	8.8	27.8	24.4	52.9	3.9	11.9	64.3
n enrollment	**234**	**218**	**541**	**211**	**94**	**363**	**142**	**174**
nber of teachers [1] (1,000)	**404**	**190**	**83**	**96**	**35**	**186**	**127**	**92**
PERCENT DISTRIBUTION								
: Under 30	24.0	25.2	18.0	22.3	38.3	21.9	27.2	23.7
30 to 39 years old	37.6	36.2	39.2	38.1	40.4	36.7	37.8	39.2
40 to 49 years old	23.2	23.2	25.0	25.5	13.0	23.6	21.8	24.6
50 to 59 years old	10.5	10.3	12.3	10.5	7.9	11.8	9.6	9.5
60 years old and over	4.6	5.1	5.6	3.6	2.4	6.0	3.6	3.1
x: Male	24.1	10.3	48.6	29.9	25.4	(NA)	(NA)	(NA)
Female	75.9	89.7	51.5	70.1	74.6	(NA)	(NA)	(NA)
ce:								
White, non-Hispanic	92.2	91.1	95.0	92.6	91.1	93.5	91.9	90.2
Black, non-Hispanic	3.8	4.8	1.4	3.3	5.0	2.5	4.0	5.9
Hispanic	2.9	2.9	2.9	3.3	2.4	3.4	2.9	2.2
ducation: Bachelor's	64.0	74.1	48.5	58.0	62.5	66.7	63.6	59.3
Master's	29.4	19.8	48.8	32.0	29.9	29.5	26.4	33.6
perience:								
Less than 5 years	24.8	25.2	18.6	23.7	40.6	20.8	27.5	29.4
5 to 9 years	27.0	27.7	22.6	29.2	27.5	24.5	30.7	26.8
10 years or more	48.2	47.1	58.8	47.1	31.9	54.8	41.8	43.8
verage salary: [2]								
Base salary	$14,400	$12,900	$17,100	$14,900	$14,900	$13,900	$13,600	$16,500
Earned income	$15,600	$13,700	$19,000	$16,500	$16,600	$15,100	$14,800	$18,000

NA Not available. [1] Full- and part-time. [2] Full-time teachers with salaries.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, 1987.

NO. 236. PRIVATE SCHOOLS OFFERING SPECIAL PROGRAMS, BY LEVEL AND AFFILIATION: 1985

[As of fall. Based on survey and subject to sampling error; see source for details]

INSTRUCTIONAL LEVEL AND AFFILIATION	Total	PERCENT OFFERING SPECIAL PROGRAMS IN—							
		Bilingual education	ESL [1]	Remedial—		Programs for—		Vocational and tech. programs	Diagnostic services [2]
				Reading	Mathematics	Handicapped	Gifted and talented		
Private schools, total	**25,600**	**9**	**12**	**69**	**53**	**18**	**33**	**14**	**51**
Elementary	15,300	8	9	72	52	14	32	6	50
Secondary	2,400	8	23	53	46	11	50	35	46
Elementary/secondary	4,900	15	17	61	50	20	32	22	41
Other [3]	2,900	3	10	82	71	42	24	32	76
Catholic	9,900	4	9	78	61	15	37	8	61
Other	10,800	11	14	59	42	16	28	15	41
None	4,900	12	14	73	62	30	37	26	52

[1] English as a second language. [2] Services provided by trained professionals to diagnose learning problems of students. [3] Schools providing alternative (non-traditional) instruction, special education or vocational/technical education.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Private Schools and Private School Teachers; final report of the 1985–86 Private School Study*, March 1987.

NO. 237. SCHOLASTIC APTITUDE TEST (SAT) SCORES AND CHARACTERISTICS OF COLLEGE BOUND SENIORS: 1967 TO 1987

[For school year ending in year shown]

TYPE OF TEST AND CHARACTERISTIC	Unit	1967	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
TEST SCORES [1]												
Verbal, total [2]	Point	466	460	434	424	424	426	425	426	431	431	430
Male	Point	463	459	437	428	430	431	430	433	437	437	435
Female	Point	468	461	431	420	418	421	420	420	425	426	425
Math, total [2]	Point	492	488	472	466	466	467	468	471	475	475	476
Male	Point	514	509	495	491	492	493	493	495	499	501	500
Female	Point	467	465	449	443	443	443	445	449	452	451	453
PARTICIPANTS												
Total	1,000	(NA)	(NA)	996	992	994	989	963	965	977	1,001	1,080
Male	Percent	(NA)	(NA)	49.9	48.2	48.0	48.1	48.2	48.2	48.3	48.1	48.2
White	Percent	(NA)	(NA)	86.0	82.1	81.9	81.7	81.1	80.3	81.0	(NA)	72.8
Black	Percent	(NA)	(NA)	7.9	9.1	9.0	8.9	8.8	9.1	7.5	(NA)	8.1
Obtaining scores [1] of—												
600 or above:												
Verbal	Percent	(NA)	(NA)	7.9	7.2	7.0	7.1	6.9	7.3	7.9	7.9	8.1
Math	Percent	(NA)	(NA)	15.6	15.1	14.4	15.3	15.9	16.7	17.1	17.9	18.3
Below 400:												
Verbal	Percent	(NA)	(NA)	37.8	41.8	41.6	40.2	41.1	40.2	39.4	38.2	39.8
Math	Percent	(NA)	(NA)	29.5	30.2	29.5	29.5	30.1	29.1	28.2	28.0	28.3
Selected intended area of study:												
Business and commerce	Percent	(NA)	(NA)	11.5	18.6	18.5	18.7	18.5	19.1	21.0	(NA)	23
Engineering	Percent	(NA)	(NA)	6.7	11.1	11.8	12.6	12.5	12.0	11.7	(NA)	11
Social science	Percent	(NA)	(NA)	7.7	7.8	7.4	7.2	7.2	7.3	7.5	(NA)	11
Education	Percent	(NA)	(NA)	9.1	6.1	5.7	5.0	4.5	4.6	4.7	(NA)	8
SAT average [1] by high school rank:												
Top tenth	Point	(NA)	(NA)	(NA)	539	539	540	539	543	547	547	552
Second tenth	Point	(NA)	(NA)	(NA)	470	472	473	473	477	482	481	484
Second fifth	Point	(NA)	(NA)	(NA)	431	433	435	435	438	442	440	440
Third fifth	Point	(NA)	(NA)	(NA)	388	387	389	389	392	396	386	385

NA Not available. [1] Minimum score, 200; maximum score, 800. [2] 1967 and 1970 are estimates based on to. number of persons taking SAT.

Source: College Entrance Examination Board, New York, NY, *National College-Bound Senior*, annual. (Copyright.)

NO. 238. AMERICAN COLLEGE TESTING (ACT) PROGRAM SCORES AND CHARACTERISTICS OF COLLEGE-BOUND STUDENTS: 1970 TO 1987

[For academic year ending in year shown. Except as indicated,[*]test scores and characteristics of college-bound students. Through 1985, data based on 10 percent sample; thereafter, based on all ACT tested seniors]

TYPE OF TEST AND CHARACTERISTIC	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
TEST SCORES [1]												
Composite	Point	19.9	18.6	18.6	18.5	18.5	18.4	18.3	18.5	18.6	18.8	18.7
Male	Point	20.3	19.5	19.3	19.3	19.3	19.2	19.1	19.3	19.4	19.6	19.5
Female	Point	19.4	17.8	17.9	17.9	17.8	17.8	17.6	17.9	17.9	18.1	18.1
English	Point	18.5	17.7	17.9	17.9	17.8	17.9	17.8	18.1	18.1	18.5	18.4
Male	Point	17.6	17.1	17.4	17.3	17.3	17.3	17.3	17.5	17.6	17.9	17.9
Female	Point	19.4	18.3	18.4	18.3	18.2	18.4	18.2	18.6	18.6	18.9	18.9
Math	Point	20.0	17.6	17.5	17.4	17.3	17.2	16.9	17.3	17.2	17.3	17.2
Male	Point	21.1	19.3	19.1	18.9	18.9	18.6	18.4	18.6	18.6	18.8	18.6
Female	Point	18.8	16.2	16.2	16.2	16.0	16.0	15.7	16.1	16.0	16.0	16.1
Social studies	Point	19.7	17.4	17.2	17.2	17.2	17.3	17.1	17.3	17.4	17.6	17.5
Male	Point	20.3	18.7	18.1	18.2	18.3	18.1	18.0	18.1	18.3	18.6	18.4
Female	Point	19.0	16.4	16.4	16.4	16.4	16.6	16.4	16.5	16.6	16.9	16.7
Natural science	Point	20.8	21.1	21.1	21.1	21.0	20.8	20.9	21.0	21.2	21.4	21.4
Male	Point	21.6	22.4	22.3	22.4	22.3	22.2	22.4	22.4	22.6	22.7	22.8
Female	Point	20.0	20.0	20.2	20.0	20.0	19.7	19.6	19.9	20.0	20.2	20.1
PARTICIPANTS [2]												
Total	1,000	788	714	760	822	836	805	835	849	739	730	777
Male	Percent	52	46	45	45	45	45	46	46	46	46	46
White	Percent	(NA)	77	84	83	83	83	82	82	82	82	81
Black	Percent	4	7	8	8	8	8	9	9	8	8	8
Obtaining composite scores of—												
26 or above	Percent	14	14	13	13	13	13	13	13	14	14	14
15 or below	Percent	21	33	33	33	33	34	35	33	32	31	30
Planned educational major:												
Business [3]	Percent	18	21	20	20	19	19	18	19	21	22	20
Engineering	Percent	8	6	8	8	10	11	10	9	9	9	8
Social science [4]	Percent	10	9	6	6	6	6	6	7	7	6	9
Education	Percent	16	12	9	9	7	6	6	6	6	7	8

NA Not available. [1] Minimum score, 1; maximum score, 36. [2] Beginning 1985, data are for seniors who graduated in year shown and had taken the ACT in their junior or senior years. [3] Includes political and persuasive (e.g. sales) fields through 1975; thereafter, business and commerce. [4] Includes religion through 1975.

Source: The American College Testing Program, Iowa City, IA, *High School Profile Report*, annual.

o. 239. PUBLIC HIGH SCHOOL DISTRICTS—MEAN NUMBER OF CREDITS REQUIRED FOR GRADUATION: 1982 TO 1988

or school year ending in year shown. A credit is a class scheduled for a minimum of 200 minutes per week (275 for a laboratory class) for 36 weeks. Credits have been converted to a 4-year base. Based on survey and subject to sampling error; see source for details. For definition of mean, see Guide to Tabular Presentation]

SUBJECT AND YEAR	NCEE [1] recommendations	Districts with high schools	ENROLLMENT SIZE: Less than 2,500	ENROLLMENT SIZE: 2,500 to 9,999	ENROLLMENT SIZE: 10,000 and over	REGION: North Atlantic [2]	REGION: Great Lakes and Plains [3]	REGION: Southeast [4]	REGION: West and Southwest [5]
Total: 1982	(x)	19.7	19.8	19.5	19.7	19.0	19.4	19.0	21.2
1985	(x)	20.3	20.4	20.0	20.2	19.6	19.9	19.8	21.6
1988 [6]	(x)	21.0	21.1	20.8	21.2	20.4	20.6	20.9	22.3
English [7]	4.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	3.6	3.6	3.7	3.6	4.0	3.4	3.9	3.6
1985	(x)	3.8	3.8	3.8	3.7	4.0	3.6	3.9	3.8
1988 [6]	(x)	3.9	3.9	3.9	3.8	4.0	3.7	4.0	3.9
Mathematics	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	1.6	1.7	1.6	1.7	1.7	1.4	1.8	1.8
1985	(x)	1.9	1.9	1.8	2.0	1.9	1.7	2.2	2.1
1988 [6]	(x)	2.3	2.3	2.3	2.4	2.4	2.0	2.6	2.5
Science	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	1.5	1.6	1.4	1.4	1.5	1.4	1.6	1.7
1985	(x)	1.8	1.8	1.6	1.7	1.7	1.6	1.8	2.0
1988 [6]	(x)	2.0	2.0	2.0	2.1	2.2	1.8	2.2	2.2
Social studies [8]	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	2.5	2.6	2.7	2.6	3.1	2.5	2.4	2.6
1985	(x)	2.8	2.8	2.7	2.8	3.1	2.7	2.5	2.8
1988 [6]	(x)	2.9	2.9	2.8	2.9	3.2	2.8	2.7	2.9

X Not applicable. [1] National Commission on Excellence in Education. [2] Includes CT, DE, DC, ME, MD, MA, NH, NJ, NY, PA, RI, and VT. [3] Includes IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, and WI. [4] Includes AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, and WV. [5] Includes AK, AZ, CA, CO, HI, ID, MT, NV, NM, OK, OR, TX, UT, WA, and WY. [6] Expected. [7] Includes language arts. [8] Includes history.

Source: U.S. Dept. of Education, National Center for Education Statistics, Fast Response Survey System, No. 23, *Academic Requirement*.

NO. 240. PUBLIC HIGH SCHOOL GRADUATES—STATES: 1980 TO 1988

[**In thousands.** Excludes equivalency certificates]

STATE	1980	1985	1988	STATE	1980	1985	1988	STATE	1980	1985	1988
U.S.	**2,762.4**	**2,423.6**	**2,419.7**	KS	30.9	26.0	26.3	ND	10.0	8.2	8.3
				KY	40.8	38.0	39.7	OH	144.2	122.3	123.5
AL	45.2	40.0	42.6	LA	46.3	39.0	40.2	OK	39.3	34.6	35.0
AK	5.2	5.2	5.6	ME	15.4	13.9	13.1	OR	29.9	26.9	28.5
AZ	28.6	27.9	30.1	MD	54.5	48.3	47.2	PA	146.5	127.2	124.9
AR	29.1	26.3	27.8	MA	77.0	63.7	53.4	RI	10.9	9.2	8.5
CA	249.2	225.4	222.4	MI	124.3	105.9	95.1	SC	37.7	35.0	36.0
CO	36.8	32.3	35.0	MN	66.1	53.4	54.3	SD	10.7	8.2	8.5
CT	40.0	34.5	32.6	MS	27.6	25.3	24.1	TN	49.8	43.3	47.7
DE	7.6	5.9	6.1	MO	62.3	51.3	51.0	TX	171.4	159.3	168.4
DC	5.1	3.9	4.2	MT	12.1	10.0	10.1	UT	20.0	19.6	21.0
FL	87.8	81.1	89.0	NE	22.4	18.0	15.7	VT	6.6	5.8	6.1
GA	62.7	58.7	60.9	NV	8.5	8.6	8.7	VA	66.9	61.0	66.7
HI	11.8	10.1	10.5	NH	11.4	11.1	11.0	WA	50.4	45.8	49.9
ID	13.1	12.1	13.0	NJ	97.6	85.6	79.7	WV	23.4	22.3	22.9
IL	135.6	117.0	116.2	NM	18.3	15.6	15.8	WI	71.3	60.2	56.7
IN	75.6	64.8	54.2	NY	204.1	166.8	165.9	WY	6.1	5.7	5.3
IA	43.4	36.1	35.5	NC	70.9	67.2	64.8				

Source: National Education Association, Washington, DC, *Estimates of School Statistics*, annual. (Copyright.)

NO. 241. HIGH SCHOOL DROPOUTS 14 TO 24 YEARS OLD, BY AGE AND RACE: 1970 TO 1986

[As of **October**. See headnote, table 243 for definition of dropouts]

AGE AND RACE	NUMBER OF DROPOUTS (1,000)								PERCENT OF POPULATION			
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1980	1985	1986
Total dropouts [1] [2]	**4,670**	**4,974**	**5,212**	**5,160**	**5,025**	**4,784**	**4,456**	**4,318**	**12.2**	**12.0**	**10.6**	**10.5**
16-17 years	617	715	709	556	494	485	505	455	8.0	8.8	7.0	6.1
18-21 years	2,138	2,557	2,578	2,646	2,419	2,297	2,095	1,961	16.4	15.8	14.1	13.6
22-24 years	1,770	1,553	1,798	1,854	1,991	1,845	1,724	1,726	18.7	15.2	14.1	14.3
White [2]	**3,577**	**3,861**	**4,169**	**4,080**	**3,950**	**3,831**	**3,583**	**3,497**	**10.8**	**11.3**	**10.3**	**10.3**
16-17 years	485	594	619	478	424	421	424	394	7.3	9.2	7.1	6.5
18-21 years	1,618	1,980	2,032	2,056	1,897	1,852	1,678	1,566	14.3	14.7	13.6	13.1
22-24 years	1,356	1,169	1,416	1,467	1,531	1,429	1,372	1,408	16.3	14.0	13.3	13.9
Black [2]	**1,047**	**1,024**	**934**	**937**	**918**	**789**	**748**	**707**	**22.2**	**16.0**	**12.6**	**12.0**
16-17 years	125	116	80	66	62	55	70	52	12.8	6.9	6.5	4.7
18-21 years	500	540	486	519	438	373	376	345	30.5	23.0	17.5	16.5
22-24 years	397	337	346	332	386	339	279	272	37.8	24.0	17.8	17.3

Includes other race groups not shown separately. [2] Includes persons 14-15 years, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 409 and earlier reports; and unpublished data.

NO. 242. ENROLLMENT STATUS OF PERSONS 18 TO 21 YEARS OLD, BY RACE, HISPANIC ORIGIN, AND SEX: 1975 AND 1986

[As of **October**. For the civilian noninstitutional population. Based on the Current Population Survey; see text, section 1 and Appendix III]

CHARACTERISTIC	TOTAL PERSONS (1,000)		PERCENT DISTRIBUTION									
			Enrolled in high school		High school graduates						Not high school graduates	
					Total		In college		Not in college			
	1975	1986	1975	1986	1975	1986	1975	1986	1975	1986	1975	1986
Total [1]	15,693	14,453	5.7	7.0	78.0	79.4	33.5	36.6	44.5	42.8	16.3	13.6
White	13,448	11,915	4.7	6.1	80.6	80.8	34.6	37.9	46.0	42.9	14.7	13.1
Black	1,997	2,092	12.5	11.5	60.4	72.0	24.9	26.1	35.6	45.9	27.0	16.5
Hispanic [2]	899	1,374	12.0	9.8	57.2	58.9	24.4	22.2	32.8	36.8	30.8	31.3
Male [1]	7,584	7,068	7.4	8.9	76.6	76.3	35.4	36.2	41.3	40.2	15.9	14.7
White	6,545	5,850	6.2	7.4	79.7	78.2	36.9	37.9	42.8	40.3	14.1	14.4
Black	911	985	15.9	16.5	55.0	66.4	23.9	23.0	31.1	43.4	29.0	17.2
Hispanic [2]	416	716	17.3	9.1	54.8	56.4	25.2	21.1	29.3	35.3	27.9	34.4
Female [1]	8,109	7,385	4.2	5.3	79.2	82.3	31.8	36.9	47.4	45.4	16.6	12.5
White	6,903	6,065	3.2	4.7	81.4	83.3	32.4	37.8	49.0	45.4	15.3	12.0
Black	1,085	1,107	9.7	7.0	65.0	77.0	25.8	28.7	39.2	48.2	25.4	16.0
Hispanic [2]	484	658	7.6	10.2	59.3	62.2	23.6	23.6	35.7	38.6	33.1	27.8

[1] Includes other races not shown separately. [2] Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, Nos. 303 and 429.

NO. 243. EMPLOYMENT STATUS OF HIGH SCHOOL GRADUATES NOT ENROLLED IN COLLEGE AND SCHOOL DROPOUTS, BY SEX AND RACE: 1975 TO 1987

[In thousands, except percent. As of October. For civilian noninstitutional population 16 to 24 years old. High school graduates: Persons not enrolled in college who have completed 4 years of high school only. Dropouts: Persons not in regular school and who have not completed the 12th grade nor received a general equivalency degree. Based on Current Population Survey; see text, section 1, and Appendix III]

EMPLOYMENT STATUS, SEX, AND RACE	GRADUATES					DROPOUTS				
	1975 [1]	1980	1985	1986	1987	1975 [1]	1980	1985	1986	1987
Civilian population	10,518	11,622	10,381	9,993	9,339	4,906	5,252	4,323	4,143	[illegible]
In labor force	8,506	9,795	8,825	8,471	7,976	3,028	3,547	2,922	2,796	[illegible]
Percent of population	80.9	84.3	85.0	84.8	85.4	61.7	67.5	67.6	67.5	[illegible]
Employed [2]	7,348	8,567	7,707	7,495	7,163	2,263	2,653	2,165	2,117	[illegible]
Percent of labor force	86.4	87.5	87.3	88.5	89.8	74.7	74.8	74.1	75.7	[illegible]
Male	3,795	4,462	4,001	4,006	3,796	1,509	1,780	1,475	1,440	[illegible]
Female	3,553	4,105	3,706	3,487	3,367	754	873	690	677	[illegible]
White	6,591	7,636	6,732	6,533	6,153	1,875	2,310	1,887	1,844	[illegible]
Black	662	817	865	692	[illegible]	341	305	224	220	[illegible]
Unemployed [2]	1,158	1,228	1,118	976	813	765	894	757	679	574
Percent of labor force	13.6	12.5	12.7	11.5	10.2	25.3	25.2	25.9	24.3	[illegible]
Male	598	695	569	457	399	431	546	463	383	[illegible]
Female	560	532	549	519	414	334	348	294	296	[illegible]
White	917	924	729	640	549	547	638	584	480	[illegible]
Black	229	289	380	319	305	212	239	158	187	[illegible]
Not in labor force	2,012	1,827	1,556	1,522	1,363	1,878	1,706	1,403	1,348	[illegible]
Percent of population	19.1	15.7	15.0	15.2	14.6	38.3	32.5	32.5	32.5	34.1

[1] Population controls based on 1980 census; see text, sections 1 and 4. [2] Includes other races not shown separately.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307, and unpublished data.

No. 244. HIGH SCHOOL GRADUATES BY SEX AND CONTROL AND GENERAL EDUCATIONAL DEVELOPMENT (GED) CERTIFICATES ISSUED, BY AGE: 1960 TO 1986

[In thousands, except percent. See also *Historical Statistics, Colonial Times to 1970*, series H 598-601]

YEAR OF GRADUATION	HIGH SCHOOL GRADUATES [1]						GED'S ISSUED				
	Total		Sex		Control		Total	Percent by age			
	Number	Percent of persons 17 years old [2]	Male	Female	Public	Private, est.		17 years old or less	20–24 years old	25–29 years old	30 years old and over
	1,856	69.5	895	963	1,627	231	(NA)	(NA)	(NA)	(NA)	(NA)
	2,656	72.1	1,311	1,347	2,360	298	(NA)	(NA)	(NA)	(NA)	(NA)
	2,889	76.9	1,430	1,459	2,589	300	(NA)	(NA)	(NA)	(NA)	(NA)
	3,133	73.6	1,542	1,591	2,823	310	340	33	26	14	27
	3,043	71.4	1,491	1,552	2,748	295	479	37	27	13	23
	2,888	73.3	1,437	1,451	2,596	290	465	34	29	14	23
	2,767	73.7	(NA)	(NA)	2,495	272	427	32	28	15	25
	2,677	73.2	(NA)	(NA)	2,414	263	413	32	26	15	26
	2,642	73.0	(NA)	(NA)	2,382	260	428	32	26	15	27

A Not available. [1] Data for 1960–1970 include about 7,000 graduates of subcollegiate departments of institutions of higher cation, Federal schools for Indians and on Federal installations, and residential schools for exceptional children. [2] Based on mated resident population as of July 1.

ource: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 245. COLLEGE ENROLLMENT AND PERCENT OF HIGH SCHOOL GRADUATES ENROLLED IN, OR COMPLETED ONE OR MORE YEARS OF COLLEGE, BY SEX AND RACE: 1960 TO 1986

[As of **October**, except as noted. Covers civilian noninstitutional population 14 to 24 years old]

ITEM AND YEAR	ALL PERSONS			MALE			FEMALE		
	Total [1]	White	Black	Total [1]	White	Black	Total [1]	White	Black
llege enrollment (1,000): 1960 [2]	2,279	2,138	[3] 141	1,365	1,297	[3] 68	914	841	[3] 73
1970	6,065	5,535	437	3,461	3,213	202	2,604	2,322	236
1980	7,475	6,546	718	3,700	3,303	292	3,778	3,243	426
1985	7,799	6,729	755	3,880	3,374	355	3,917	3,357	400
1986	7,613	6,426	820	3,739	3,206	350	3,874	3,221	471
rcent of high school graduates enrolled:									
1960 [2]	23.8	24.3	[3] 18.7	30.4	31.1	[3] 21.1	18.0	18.1	[3] 16.9
1970	33.3	33.9	26.7	41.8	42.9	29.5	26.3	26.3	24.7
1980	32.3	32.5	28.3	33.8	34.3	27.0	30.9	30.9	29.2
1985	34.3	35.0	26.5	36.0	36.6	28.2	32.8	33.6	25.1
1986	34.4	34.6	28.8	35.7	36.1	28.2	33.3	33.3	29.4
ercent of high school graduates enrolled in college or completed 1 or more years of college: 1960 [2]	40.4	41.0	[3] 32.5	46.1	47.1	[3] 33.5	35.3	35.6	[3] 31.8
1970	52.3	53.4	40.0	59.2	60.8	41.2	46.5	47.1	39.0
1980	51.1	51.4	46.2	51.4	51.8	44.4	51.0	51.0	47.5
1985	54.3	55.3	43.8	54.6	55.5	43.5	54.0	55.2	43.9
1986	54.6	55.3	47.4	54.2	55.0	43.7	55.3	55.6	50.2

[1] Includes other races, not shown separately. [2] As of April. [3] Black and other races.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, vol. I, *Characteristics of the Population*, part 1; *Current Population Reports*, series P-20, No. 429 and earlier reports; and unpublished data.

No. 246. COLLEGE ENROLLMENT, BY SEX, AGE, AND RACE: 1972 TO 1986

[In thousands. As of **October**. Covers civilian noninstitutional population, 14 years old and over. Degree credit enrollment only]

SEX, AGE, AND RACE	1972	1975	1978	1979	1980	1981 [1]	1981 [2]	1982	1983	1984	1985	1986
Total	**9,095**	**10,880**	**11,140**	**11,380**	**11,387**	**11,814**	**12,127**	**12,309**	**12,320**	**12,304**	**12,524**	**12,402**
Male [3]	5,218	5,911	5,581	5,480	5,430	5,636	5,825	5,899	6,010	5,969	5,905	5,848
18-24 years	3,534	3,693	3,621	3,508	3,604	3,724	3,833	3,837	3,820	3,929	3,749	3,649
25-34 years	1,178	1,521	1,396	1,356	1,325	1,375	1,442	1,460	1,576	1,492	1,464	1,508
35 years and over	365	569	457	487	405	443	453	490	506	476	561	600
Female [3]	3,877	4,969	5,559	5,900	5,957	6,178	6,303	6,410	6,310	6,317	6,616	6,554
18-24 years	2,724	3,243	3,373	3,482	3,625	3,680	3,741	3,841	3,657	3,662	3,788	3,747
25-34 years	581	947	1,173	1,319	1,378	1,431	1,485	1,528	1,510	1,522	1,599	1,483
35 years and over	418	614	845	914	802	934	940	900	969	970	1,100	1,197
White	8,147	9,547	9,662	9,956	9,926	10,166	10,352	10,550	10,566	10,521	10,782	10,497
Male	4,723	5,263	4,913	4,823	4,804	4,900	5,011	5,078	5,162	5,111	5,101	4,987
Female	3,427	4,285	4,748	5,132	5,123	5,265	5,342	5,474	5,404	5,410	5,680	5,510
Black and other races	949	1,333	1,479	1,424	1,461	1,648	1,775	1,758	1,754	1,784	1,742	1,905
Male	496	648	668	657	626	735	814	821	848	878	805	861
Female	450	684	811	766	834	913	961	936	906	906	938	1,044

[1] Population controls based on 1970 census; see text, sections 1 and 4. [2] Population controls based on 1980 census; see text, sections 1 and 4. [3] Includes persons 14 to 17 years old, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 429 and earlier reports; and unpublished data.

NO. 247. HIGHER EDUCATION—SUMMARY: 1970 TO 1986

[Institutions, staff, and enrollment as of **fall. Finances for fiscal year ending in the following year.** Covers universities, colleges, professional schools, junior and teachers colleges, both publicly and privately controlled, regular session. Includes estimates for institutions not reporting. See also Appendix III, and *Historical Statistics, Colonial Times to 1970*, series H 680, H 699–706, and H 710]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Institutions [1]	**Number**	**2,556**	**3,026**	**3,231**	**3,253**	**3,280**	**3,284**	**3,331**	**3,340**	[illegible]
4-year	Number	1,665	1,898	1,957	1,979	1,984	2,013	2,025	2,029	2,070
2-year	Number	891	1,128	1,274	1,274	1,296	1,271	1,306	1,311	1,336
Instructional staff	**1,000**	**573**	**781**	**846**	**865**	**865**	(NA)	(NA)	(NA)	(NA)
Instructor or above	1,000	474	628	688	705	701	723	700	710	717
Percent full-time	Percent	77.8	70.1	65.6	64.9	64.9	65.1	65.0	64.2	64.2
Total enrollment [2]	**1,000**	**8,581**	**11,185**	**12,097**	**12,372**	**12,426**	**12,465**	**12,242**	**12,247**	**12,501**
Male	1,000	4,637	5,321	5,874	5,975	6,031	6,024	5,864	5,818	5,885
Female	1,000	3,284	4,410	6,223	6,397	6,394	6,441	6,378	6,429	6,615
4-year institutions	1,000	6,290	7,143	7,571	7,655	7,654	7,741	7,711	7,716	[illegible]
2-year institutions	1,000	1,630	2,588	4,526	4,716	4,772	4,723	4,531	4,531	4,675
Full-time	1,000	5,459	6,147	7,098	7,181	7,221	7,261	7,098	7,075	7,117
Part-time	1,000	2,431	3,584	4,999	5,190	5,205	5,204	5,144	5,172	5,384
Public	1,000	5,800	7,426	9,457	9,647	9,696	9,683	9,478	9,479	9,722
Private	1,000	2,120	2,306	2,640	2,725	2,730	2,782	2,765	2,768	2,779
Undergraduate [3]	1,000	7,376	9,679	10,475	10,755	10,825	10,846	10,618	10,597	10,797
Men	1,000	4,254	5,257	5,000	5,109	5,170	5,158	5,007	4,962	5,018
Women	1,000	3,122	4,422	5,475	5,646	5,654	5,688	5,612	5,634	5,779
First time freshmen	1,000	2,063	2,515	2,588	2,595	2,505	2,444	2,357	2,292	2,214
First-professional	1,000	173	242	278	275	278	279	279	274	270
Men	1,000	159	192	199	193	191	186	185	180	174
Women	1,000	15	50	78	82	87	90	94	94	[illegible]
Graduate [3]	1,000	1,031	1,263	1,343	1,343	1,322	1,340	1,345	1,376	1,434
Men	1,000	630	700	675	674	670	677	672	677	[illegible]
Women	1,000	400	563	670	669	652	663	674	699	741
Current funds revenues [4]	**Mil. dol**	**23,879**	**39,703**	**65,585**	**72,191**	**77,596**	**84,417**	**92,473**	**100,438**	(NA)
Tuition and fees	Mil. dol	5,021	8,172	13,773	15,774	17,776	19,715	21,283	23,117	
Federal Government	Mil. dol	2,739	5,414	8,479	8,320	8,181	8,783	9,615	10,466	
State government	Mil. dol	6,589	12,261	20,106	21,849	23,066	24,707	27,583	29,912	
Auxiliary enterprises	Mil. dol	3,125	4,548	7,287	8,122	8,770	9,456	10,100	10,674	
Plant funds [5]	Mil. dol	(NA)	3,910	4,774	5,185	4,997	6,238	6,737	7,713	
Increase in fund balance [6]	Mil. dol	496	959	2,793	2,224	5,322	2,410	4,653	7,239	
Current funds expenditures [4]	**Mil. dol**	**23,375**	**38,903**	**64,053**	**70,339**	**75,936**	**81,993**	**89,951**	**97,536**	
Educational and general [7]	Mil. dol	17,616	30,598	50,074	54,849	58,929	63,741	70,061	76,128	
Auxiliary enterprises and activities	Mil. dol	2,988	4,477	7,288	7,998	8,614	9,250	10,012	10,528	
Gross addition to plant value	Mil. dol	4,165	4,702	6,471	6,975	7,421	7,604	8,306	10,149	
Value of plant	Mil. dol	46,054	66,348	88,761	94,517	100,993	107,640	114,764	122,261	
Endowment (book value)	Mil. dol	11,341	13,952	20,941	23,085	26,352	29,502	33,399	38,698	

NA Not available. [1] Beginning 1975, number of institutions includes count of branch campuses. [2] Beginning 1975, branch campuses counted according to actual status, e.g., 2-year branch in 2-year category; previously a 2-year branch included in university category. [3] Includes unclassified students. (Students taking courses for credit, but are not candidates for degrees.) [4] Includes items not shown separately. [5] Annual net increase in plant funds. [6] Includes endowment, and, beginning 1975, annuity and student loans. See table 257. [7] Beginning 1975, not strictly comparable with earlier years.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual; and unpublished data.

NO. 248. JUNIOR (TWO-YEAR) COLLEGES—SUMMARY: 1970 TO 1986

[Institutions and their enrollment as of **fall**; financial data for fiscal year ending the following year. Prior to 1975, excludes two-year branches of universities and other four-year institutions. Beginning 1980, includes schools accredited by the National Association of Trade and Technical Schools. See *Historical Statistics, Colonial Times to 1970*, series H 690–692 and H 705, for related but not comparable data. See also Appendix III]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Institutions	**Number**	**892**	**1,128**	**1,274**	**1,274**	**1,296**	**1,271**	**1,306**	**1,311**	**1,336**
Public	Number	654	897	945	940	933	916	935	932	[illegible]
Private	Number	237	231	329	334	363	355	371	379	376
Enrollment	**1,000**	**2,223**	**3,970**	**4,526**	**4,716**	**4,772**	**4,723**	**4,531**	**4,531**	**4,675**
Public	1,000	2,102	3,836	4,329	4,481	4,520	4,459	4,279	4,270	4,418
Private	1,000	121	134	198	236	252	264	252	261	257
Male	1,000	1,317	2,165	2,047	2,124	2,170	2,131	2,017	2,002	2,060
Female	1,000	906	1,805	2,479	2,592	2,602	2,592	2,514	2,529	2,615
Current funds revenue [1]	**Mil. dol**	**2,504**	**5,304**	**8,505**	**9,294**	**9,879**	**10,590**	**11,449**	**12,293**	(NA)
Tuition and fees	Mil. dol	413	896	1,618	1,864	2,106	2,316	2,469	2,618	
State government	Mil. dol	916	2,248	3,961	4,269	4,487	4,773	5,189	5,659	
Local government	Mil. dol	700	1,187	1,623	1,482	1,585	1,706	1,860	2,027	
Current funds expenditures	**Mil. dol**	**2,327**	**5,082**	**8,212**	**9,006**	**9,687**	**10,314**	**11,207**	**11,976**	
Education and general [2]	Mil. dol	2,073	4,736	7,608	8,358	8,969	9,530	10,374	11,118	
Instruction	Mil. dol	1,205	2,401	3,764	4,156	4,447	4,715	5,075	5,398	

NA Not available. [1] Includes items not shown separately. [2] Includes mandatory transfers.

Source: U.S. Dept of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual; and *Financial Statistics of Institutions of Higher Education*, annual.

NO. 249. INSTITUTIONS OF HIGHER EDUCATION—NUMBER, 1986, AND ENROLLMENT, BY SELECTED CHARACTERISTICS 1980 AND 1986—STATES AND OTHER AREAS

[Number of institutions for academic year beginning 1986. Opening fall enrollment of resident and extension students attending full-time or part-time. Excludes students taking courses for credit by mail, radio, or TV, and students in branches of U.S. institutions operated in foreign countries. See Appendix III. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION AND STATE OR OTHER AREA	1980		1986								
	Total enrollment (1,000)	First time freshmen (1,000)	Number of institutions [1]	Enrollment (1,000)							
				Total	Male	Female	Public	Private	Full-time	Part-time	First time freshmen
United States	**12,097**	**2,588**	**3,406**	**12,501**	**5,885**	**6,615**	**9,722**	**2,779**	**7,117**	**5,384**	**2,217**
Region:											
Northeast	2,587	522	845	2,625	1,210	1,416	1,508	1,117	1,623	1,002	467
Midwest	3,044	721	882	3,202	1,527	1,675	2,531	670	1,857	1,345	585
South	3,437	740	1,080	3,681	1,711	1,970	3.022	659	2,170	1,511	638
West	2,978	600	589	2,940	1,391	1,549	2,606	333	1,413	1,526	523
New England	**766**	**186**	**264**	**778**	**354**	**424**	**395**	**383**	**474**	**304**	**149**
Maine	43	10	31	46	21	25	34	12	28	18	9
New Hampshire	47	12	28	54	25	28	29	25	35	19	11
Vermont	31	7	22	32	14	18	19	14	23	9	7
Massachusetts	418	90	121	418	191	227	179	239	262	156	79
Rhode Island	67	13	13	70	32	38	36	34	44	26	13
Connecticut	160	35	49	158	71	87	99	59	82	77	30
Middle Atlantic	**1,822**	**356**	**581**	**1,847**	**855**	**992**	**1,113**	**734**	**1,149**	**698**	**318**
New York	992	183	308	1,006	456	550	573	433	643	363	168
New Jersey	322	65	61	295	135	160	236	60	147	148	45
Pennsylvania	508	109	212	546	264	282	304	242	359	187	105
East North Central	**2,170**	**516**	**534**	**2,262**	**1,079**	**1,183**	**1,800**	**461**	**1,266**	**995**	**406**
Ohio	489	111	142	520	259	261	385	136	311	210	105
Indiana	247	57	76	250	123	128	194	56	162	88	47
Illinois	644	148	163	687	320	367	531	156	339	348	106
Michigan	520	125	91	520	241	279	446	75	264	256	98
Wisconsin	269	75	62	284	136	148	245	39	190	94	52
West North Central	**875**	**205**	**348**	**940**	**448**	**492**	**731**	**209**	**591**	**349**	**177**
Minnesota	207	43	73	227	105	121	179	48	145	82	46
Iowa	140	39	61	156	78	78	110	45	115	40	35
Missouri	234	50	92	246	116	130	169	77	141	106	36
North Dakota	34	10	19	37	19	18	35	2	29	9	8
South Dakota	33	8	18	31	14	17	24	7	22	9	6
Nebraska	90	24	33	100	47	53	84	16	56	44	19
Kansas	137	30	52	143	67	76	130	13	83	60	27
South Atlantic	**1,724**	**349**	**545**	**1,860**	**847**	**1,013**	**1,458**	**402**	**1,049**	**811**	**314**
Delaware	33	9	10	34	15	19	[2] 10	[2] 24	21	13	7
Maryland	225	49	56	233	103	130	199	34	109	125	33
District of Columbia	87	15	18	78	38	40	12	66	47	30	10
Virginia	281	41	75	308	136	172	266	43	168	140	47
West Virginia	82	16	29	77	34	43	67	10	49	28	14
North Carolina	288	70	125	323	145	178	263	60	199	124	67
South Carolina	133	35	62	134	61	74	108	26	93	41	29
Georgia	184	35	81	195	92	103	147	48	133	62	38
Florida	412	80	89	477	222	255	385	92	230	248	69
East South Central	**614**	**141**	**259**	**624**	**289**	**336**	**515**	**109**	**427**	**198**	**124**
Kentucky	143	31	56	145	63	81	115	29	94	51	27
Tennessee	205	45	82	197	92	105	149	48	129	68	33
Alabama	164	41	79	181	86	95	160	21	128	54	39
Mississippi	102	24	42	101	47	55	90	11	76	25	25
West South Central	**1,099**	**250**	**276**	**1,197**	**576**	**621**	**1,050**	**148**	**695**	**502**	**200**
Arkansas	78	19	34	79	35	44	69	10	55	24	17
Louisiana	160	34	32	171	31	90	146	25	126	45	29
Oklahoma	160	33	47	171	82	89	149	22	96	75	29
Texas	701	165	163	776	378	398	686	90	419	357	125
Mountain	**658**	**150**	**164**	**742**	**360**	**381**	**659**	**82**	**393**	**349**	**142**
Montana	35	8	17	35	17	18	31	4	26	9	6
Idaho	43	11	10	45	22	24	36	10	29	16	10
Wyoming	21	5	9	24	12	13	24	1	14	10	5
Colorado	163	29	52	177	86	92	158	20	102	75	29
New Mexico	58	10	21	80	38	42	79	2	39	41	9
Arizona	203	61	32	227	108	118	214	13	97	130	56
Utah	94	20	14	106	57	49	73	33	72	34	21
Nevada	41	6	9	47	20	26	46	-	13	34	6
Pacific	**2,321**	**450**	**425**	**2,198**	**1,031**	**1,167**	**1,947**	**251**	**1,021**	**1,177**	**381**
Washington	304	25	52	242	111	132	212	30	140	103	69
Oregon	158	45	45	145	70	74	126	19	85	60	25
California	1,791	360	299	1,732	813	918	1,540	192	757	975	277
Alaska	21	11	15	27	12	16	26	1	9	18	1
Hawaii	47	9	14	52	25	27	43	9	30	22	9
U.S. military [3]	50	5	10	53	47	6	53	-	53	-	4
Other:											
PR	131	36	42	157	62	95	59	98	124	32	34
GU	3	1	2	4	2	2	4	-	2	2	1
VI	2	(z)	1	2	1	2	2	-	1	2	(z)

- Represents zero. Z Less than 500. [1] Branch campuses counted as separate institutions. [2] Represents change in the reporting status of one institution. [3] Military academies.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Fall Enrollment in Higher Education*, annual; and *Directory of Postsecondary Schools*, annual.

NO. 250. ENROLLMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY SEX, AGE, AND ATTENDANCE STATUS, 1970 TO 1987, AND PROJECTIONS, 1992 AND 1997

[As of fall]

SEX AND AGE	NUMBER (1,000)						PERCENT PART-TIME					
	1970	1980	1985	1987	1992, proj.	1997, proj.	1970	1980	1985	1987	1992, proj.	1997, proj.
Total	**8,581**	**12,097**	**12,247**	**12,544**	**12,406**	**12,173**	**33.2**	**41.3**	**42.2**	**42.5**	**44.3**	**44.5**
Male	5,044	5,874	5,818	5,881	5,845	5,688	30.5	37.2	38.0	38.6	38.8	39.8
14 to 17 years old	129	99	121	91	81	90	3.9	15.2	15.7	9.9	8.9	10.0
18 and 19 years old	1,349	1,375	1,230	1,309	1,309	1,367	6.2	10.6	9.9	10.3	10.1	10.5
20 and 21 years old	1,095	1,259	1,216	1,089	1,088	1,006	9.6	12.2	15.5	14.9	14.8	14.7
22 to 24 years old	954	1,064	1,048	1,080	977	878	32.6	35.4	30.3	32.6	32.8	32.7
25 to 29 years old	783	993	991	1,016	935	867	58.2	61.9	60.1	59.0	59.0	59.1
30 to 34 years old	308	576	574	613	653	599	76.6	77.6	73.9	72.4	72.4	72.5
35 years old and over	415	507	639	684	801	878	81.9	84.8	84.8	83.2	83.3	83.1
Female	3,537	6,223	6,429	6,663	6,560	6,485	34.6	45.2	46.1	45.9	46.4	46.7
14 to 17 years old	129	148	113	119	104	115	9.3	11.5	10.6	10.9	10.6	11.3
18 and 19 years old	1,250	1,526	1,370	1,466	1,299	1,379	8.8	11.4	11.4	12.3	12.9	12.8
20 and 21 years old	765	1,166	1,186	1,136	1,136	1,043	16.3	17.9	18.7	18.9	19.0	19.5
22 to 24 years old	483	925	885	966	864	774	53.1	47.4	43.8	40.1	40.9	40.8
25 to 29 years old	292	878	962	921	854	793	72.6	73.6	68.8	67.0	67.9	67.8
30 to 34 years old	179	667	667	716	755	693	84.4	79.6	76.7	75.6	76.2	76.2
35 years old and over	439	913	1,246	1,339	1,553	1,686	85.6	87.5	80.0	81.8	82.3	82.3

Source: U.S. Dept. of Education, National Center for Education Statistics, *Projections of Education Statistics*, annual.

NO. 251. COLLEGE FRESHMEN—SUMMARY CHARACTERISTICS: 1966 TO 1987

[In percent. As of fall for first-time, full-time freshmen. Based on sample survey and subject to sampling error; see source]

CHARACTERISTIC	1966	1970	1975	1980	1982	1983	1984	1985	1986	1987
Sex: Male	57	55	53	49	49	49	48	48	48	47
Female	43	45	47	51	51	51	52	52	52	53
Average grade in high school:										
A− to A+	15	16	18	21	21	20	20	21	23	21
B− to B+	54	58	60	60	60	59	58	59	58	58
C to C+	30	27	21	19	19	21	21	20	20	19
D	1	1	1	1	1	1	1	1	1	1
Political orientation:										
Liberal	(NA)	34	29	20	19	19	20	21	22	22
Middle of the road	(NA)	45	54	60	60	60	58	57	56	55
Conservative	(NA)	17	15	17	18	18	19	19	19	19
Probable field of study:										
Arts and humanities	17	16	11	9	8	8	8	8	9	9
Biological sciences	4	4	6	4	4	4	4	4	4	4
Business	14	16	19	24	24	24	26	27	26	27
Education	11	11	10	7	5	6	7	7	8	9
Engineering	10	9	8	12	12	12	11	11	11	10
Physical science	3	2	3	3	3	3	3	2	2	2
Social science	15	14	10	7	6	6	7	8	8	9
Professional	(NA)	(NA)	(NA)	15	13	14	14	13	12	11
Technical	2	4	9	6	7	7	5	5	4	3
Data processing/computer programming	(NA)	(NA)	(NA)	2	4	4	2	2	2	1
Other [1]	(NA)	(NA)	(NA)	(NA)	16	16	16	16	15	16
Communications	(NA)	(NA)	(NA)	2	2	2	2	2	2	3
Computer science	(NA)	(NA)	(NA)	1	2	5	3	2	2	2
Recipient of financial aid:										
Pell grant	(NA)	(NA)	27	33	23	26	20	19	17	17
Supplemental educational opportunity grant	(NA)	(NA)	6	8	6	7	6	5	5	6
State scholarship or grant	(NA)	(NA)	19	16	15	16	14	14	14	16
College grant	(NA)	(NA)	[2] 9	13	12	13	17	19	18	13
Federal guaranteed student loan	(NA)	(NA)	10	21	11	15	23	23	25	20
National direct student loan	(NA)	(NA)	10	9	6	5	6	6	7	5
College loan	(NA)	(NA)	[2] 3	4	4	4	4	4	4	5
College work-study grant	(NA)	(NA)	12	15	12	14	9	10	10	10
Essential or important objectives:										
Be very well-off financially	44	39	50	63	69	69	71	71	73	76
Develop meaningful philosophy of life	(NA)	76	64	50	47	44	45	43	41	39
Help others who are in difficulty	69	65	66	65	62	62	62	63	57	58
Become involved in programs to clean environment	(NA)	[3] 43	20	27	23	21	21	20	17	19
Attitudes—agree or strongly agree:										
Activities of married women are best confined to home and family	(NA)	48	28	27	26	25	23	22	20	26
Capital punishment should be abolished	(NA)	56	(NA)	34	26	29	26	27	26	24
Legalize marijuana	(NA)	38	47	39	29	28	23	22	21	19

NA Not available. [1] Includes other fields of study, not shown separately. [2] 1976 data. [3] 1971 data.

Source: The Higher Education Research Institute, University of California, Los Angeles, CA, *The American Freshman: National Norms*, annual.

No. 252. Employed College Students, by Selected Characteristic: 1983 and 1985

[For school year ending in year shown and summer of the previous year. Covers students enrolled full-time in undergraduate four year colleges. Based on sample and subject to sampling error; for details, see source. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	TOTAL (1,000)		PERCENT EMPLOYED—							
			Full-time [1]				Part-time [2]			
			School year		Summer		School year		Summer	
	1983	1985	1983	1985	1983	1985	1983	1985	1983	1985
Total	**4,458.9**	**4,510.7**	**9.2**	**12.8**	**54.7**	**61.9**	**47.3**	**45.4**	**33.4**	**27.0**
Sex:										
Male	2,254.7	2,294.9	10.9	14.4	58.5	68.1	44.5	43.0	31.0	23.6
Female	2,204.1	2,215.8	7.5	11.1	50.7	55.3	50.0	47.9	36.8	30.5
Race:										
White	3,833.7	3,863.1	9.1	12.4	56.2	64.0	48.0	45.7	33.9	26.3
Black	377.4	381.9	12.6	16.1	47.8	51.5	36.7	41.2	26.5	31.2
Other	247.7	265.7	6.3	12.7	41.9	45.4	50.0	47.5	36.3	30.4
Enrollment:										
Freshman	1,448.0	1,481.7	7.7	7.9	50.3	56.8	41.2	38.7	37.0	31.7
Sophomore	1,012.3	1,046.3	6.2	12.4	58.3	66.1	46.8	46.5	32.1	22.4
Junior	1,021.4	1,006.0	10.5	14.1	53.7	63.1	49.4	51.8	35.1	25.1
Senior	977.2	976.8	13.4	19.1	58.3	61.6	54.0	47.7	27.5	26.7
Family income:										
Under $10,000	509.6	354.6	12.6	14.0	44.4	53.1	40.1	53.9	30.6	28.8
$10,000—$14,999	348.9	368.5	12.1	16.0	52.3	54.1	51.9	48.6	38.2	32.4
$15,000—$24,999	718.3	636.0	12.9	17.3	55.2	56.6	46.9	45.4	35.9	29.4
$25,000—$39,999	1,064.9	1,294.7	10.0	12.5	56.0	63.5	49.7	48.9	33.9	27.0
$40,000—$49,999	450.3	668.4	7.4	10.3	56.2	61.9	43.8	42.4	31.7	25.9
$50,000 and over	836.7	1,186.6	6.5	10.7	58.7	67.9	40.2	40.3	30.1	24.2
Do not know	530.2	(X)	3.6	(X)	53.2	(X)	51.3	(X)	35.0	(X)
Living arrangements:										
On campus	1,921.1	2,054.4	3.1	4.9	59.4	67.0	43.9	40.2	31.9	24.1
Off campus:										
With parents	1,190.9	922.5	12.5	18.0	49.7	53.8	61.3	58.0	39.8	37.9
Alone or with other	1,346.9	1,533.8	15.0	20.1	57.3	58.8	39.3	44.7	29.7	24.3
Earnings (dol.):										
Median annual earnings	(NA)	$2,581	(NA)	$7,228	(NA)	$3,130	(NA)	$2,208	(NA)	$1,700
Median monthly discretionary income	$102	$103	$191	$139	$105	$105	$96	$99	$94	$102

NA Not available. X Not applicable. [1] Thirty or more hours per week. [2] Less than 30 hours per week.

Source: Simmons Market Research Bureau, Inc., New York, NY, *National College Study*, 1983 and 1985. (Copyright.)

No. 253. Computer Use by College Students—Selected Characteristics by Place of Use: 1984

[As of October. Based on Current Population Survey; see text, section 1 and Appendix III. For similar data on grades K-12, see table 231]

ITEM	Total students (1,000)	PLACE OF USE OF COMPUTER							
		Number (1,000)				Percent			
		Total [1]	School	Home	Work	Total [1]	School	Home	Work
Total enrolled	**12,305**	**5,461**	**3,677**	**1,224**	**2,261**	**44.4**	**29.9**	**9.9**	**18.4**
Male	5,989	2,877	2,114	773	1,008	48.0	35.3	12.9	16.8
Female	6,316	2,584	1,563	452	1,253	40.9	24.7	7.2	19.8
White	10,522	4,767	3,151	1,108	2,002	45.3	29.9	10.5	19.0
Black	1,274	468	342	68	177	36.7	26.8	5.3	13.9
Other	509	226	184	48	82	44.4	36.1	9.4	16.7
Hispanic [2]	563	231	171	27	97	41.0	30.4	4.8	17.2
Non-Hispanic	11,742	5,230	3,506	1,197	2,164	44.5	29.9	10.2	18.4
Part-time enrolled	4,219	2,136	898	541	1,577	50.6	21.3	12.8	37.4
1-2 years	1,872	826	323	199	573	44.1	17.3	10.6	30.6
3-4 years	1,044	586	250	152	409	56.1	23.9	14.6	39.2
5 years or more	1,302	724	325	190	595	55.6	25.0	14.6	45.7
Full-time enrolled	8,086	3,323	2,776	682	683	41.1	34.3	8.4	8.4
1-2 years	4,124	1,515	1,258	341	202	36.7	30.5	8.3	4.9
3-4 years	2,868	1,274	1,096	208	266	44.4	38.2	7.2	9.3
5 years or more	1,094	534	422	133	215	48.8	38.6	12.2	19.7

[1] Total who use computers at home, school, or work. Excludes duplication. [2] Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 155.

NO. 254. HIGHER EDUCATION ENROLLMENTS IN FOREIGN LANGUAGES: 1960 TO 1986

[As of fall]

ITEM	1960	1965	1968	1970	1972	1974	1977	1980	1983	1986
Registrations [1] **(1,000)**	[2] **647.1**	**1,034.9**	**1,127.4**	**1,111.5**	**1,008.9**	**946.6**	**933.5**	**924.8**	**966.0**	**1,003.2**
Index (1960=100)	100.0	159.9	174.2	171.8	155.9	146.3	144.3	142.9	149.3	155.0
By selected language (1,000):										
Spanish	178.7	310.3	364.9	389.2	364.5	362.2	376.7	379.4	386.2	411.3
French	228.8	371.6	388.1	359.3	293.1	253.1	246.1	248.4	270.1	275.3
German	146.1	213.9	216.3	202.6	177.1	152.1	135.4	126.9	128.2	121.0
Italian	11.1	22.9	30.4	34.2	33.3	33.0	33.3	34.8	38.7	40.9
Russian	30.6	33.7	40.7	36.1	36.4	32.5	27.8	24.0	30.4	34.0
Latin	[2] 25.7	39.6	35.0	27.6	24.4	25.2	24.4	25.0	24.2	25.0
Japanese	1.7	3.4	4.3	6.6	8.3	9.6	10.7	11.5	16.1	23.5
Ancient Greek	[2] 12.7	19.5	19.3	16.7	20.6	24.4	25.8	22.1	19.4	17.6
Chinese	1.8	3.4	5.1	6.2	10.0	10.6	9.8	11.4	13.2	16.9
Hebrew	3.8	8.1	10.2	16.6	21.1	22.4	19.4	19.4	18.2	15.6
Portuguese	1.0	3.0	4.0	5.1	4.8	5.1	5.0	4.9	4.4	5.1
Arabic	.5	.9	1.1	1.3	1.7	2.0	3.1	3.5	3.4	3.4

[1] Includes other foreign languages, not shown separately. [2] Estimated.

Source: Association of Departments of Foreign Languages, New York, NY, *ADFL Bulletin*, vol. 19, No. 2, and earlier issues. (Copyright.)

NO. 255. FOREIGN (NONIMMIGRANT) STUDENT ENROLLMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY REGION OF ORIGIN, 1976 TO 1987, AND BY FIELD OF STUDY, 1976 AND 1986

[For fall of the previous year]

REGION OF ORIGIN	ENROLLMENT (1,000)									PERCENT ENROLLED IN—					
										Engineering		Science [1]		Business	
	1976	1980	1981	1982	1983	1984	1985	1986	1987	1976	1986	1976	1986	1976	1986
All regions	**179**	**286**	**312**	**326**	**337**	**339**	**342**	**344**	**350**	**23**	**22**	**13**	**8**	**18**	**19**
Africa	25	36	38	42	43	42	40	34	32	17	16	16	7	20	21
Nigeria	11	16	17	20	21	20	18	13	14	14	12	16	5	22	31
Asia [2]	97	165	179	181	187	193	200	210	210	30	27	13	8	15	18
China: Taiwan	11	18	19	21	21	22	23	24	26	26	27	27	11	8	12
Hong Kong	12	10	10	9	9	9	10	11	11	19	20	15	5	21	27
India	10	9	9	11	13	14	15	16	18	35	34	17	12	15	17
Indonesia	1	2	3	4	5	6	7	8	9	19	25	9	3	19	30
Iran	20	51	48	36	27	20	17	14	12	40	35	8	13	10	4
Japan	7	12	14	14	14	13	13	13	15	9	6	6	4	17	16
Malaysia	2	4	6	12	14	18	22	23	22	13	32	18	4	21	23
Saudi Arabia	3	10	10	10	9	9	8	7	6	27	27	5	3	18	17
South Korea	3	5	6	8	11	14	16	19	20	18	18	13	10	9	16
Thailand	7	7	7	7	7	7	7	7	6	20	14	8	5	18	31
Europe	14	23	25	29	32	32	33	34	36	13	13	13	8	15	17
Latin America [3]	30	42	50	55	57	52	49	45	43	20	18	12	6	16	23
Mexico	5	6	7	8	7	6	6	5	5	13	14	11	8	17	18
Venezuela	5	10	12	14	15	13	10	7	5	34	26	10	5	8	21
North America	10	16	15	15	15	16	16	16	16	7	10	8	7	10	14
Canada	10	15	14	15	14	15	15	15	16	6	10	7	7	8	15
Oceania	3	4	4	4	4	4	4	4	4	5	7	11	6	13	20

[1] Physical and life sciences. [2] Includes countries not shown separately. [3] Includes Central America, Caribbean, and South America.

Source: Institute of International Education, New York, NY, *Open Doors*, annual. (Copyright.)

NO. 256. HIGHER EDUCATION PRICE INDEXES: 1965 TO 1987

[1967=100. For years ending **June 30**. Reflects prices paid by colleges and universities. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR	Index, total	Average annual percent change [1]	PERSONNEL COMPENSATION				CONTRACTED SERVICES, SUPPLIES, AND EQUIPMENT					
			Total	Professional salaries	Nonprofessional salaries	Fringe benefits	Total	Services	Supplies and materials	Equipment	Books, periodicals	Utilities
1965	91	4.3	89	89	94	78	96	95	96	95	91	100
1970	121	5.9	124	121	118	146	111	113	106	111	121	104
1975	166	8.6	166	154	166	241	169	150	164	154	220	203
1977	189	6.5	187	169	192	295	195	167	181	172	268	258
1978	201	6.7	199	178	207	324	209	176	188	183	286	289
1979	217	7.7	215	189	223	367	224	187	203	198	316	321
1980	238	9.9	233	202	243	409	251	202	239	216	364	409
1981	264	10.7	255	220	266	460	299	225	270	237	400	508
1982	290	10.0	279	239	287	528	332	251	284	255	443	589
1983	309	6.4	298	255	303	569	350	265	283	265	470	638
1984	325	5.4	317	267	319	633	360	277	292	270	487	643
1985	347	6.7	341	284	331	727	371	289	298	277	505	657
1986	363	4.4	360	301	343	771	371	303	295	283	529	609
1987	378	4.2	380	319	352	620	368	312	293	288	561	538

[1] Change from immediate prior year.

Source: 1965–1982, U.S. National Institute of Education, *Inflation Measures for Schools and Colleges, 1983;* thereafter, Research Associates of Washington, Washington, DC, *Higher Education Prices and Price Indexes*, annual.

NO. 257. INSTITUTIONS OF HIGHER EDUCATION—FINANCES: 1975 TO 1986

[In millions of dollars. For fiscal years ending in year shown. For coverage, see headnote, table 247. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 729-738 and H 747-749]

ITEM	1975	1980	1982	1983	1984	1985	1986 Total	1986 Public	1986 Private
urrent funds revenues	**35,687**	**58,520**	**72,191**	**77,596**	**84,417**	**92,473**	**100,438**	**65,005**	**35,433**
Tuition and fees	7,233	11,930	15,774	17,776	19,715	21,283	23,117	9,439	13,677
Federal Government	4,991	7,772	8,320	8,181	8,783	9,615	10,466	6,699	3,767
State government	10,857	18,378	21,849	23,066	24,707	27,583	29,912	29,221	691
Local government	1,424	1,588	1,938	2,031	2,192	2,387	2,545	2,326	219
Endowment earnings	718	1,177	1,597	1,721	1,874	2,096	2,276	398	1,877
Private gifts, grants, and contracts [1]	1,745	2,808	3,564	4,053	4,415	4,896	5,410	2,110	3,301
Educational activities [2]	555	1,239	1,583	1,723	1,971	2,126	2,373	1,597	777
Auxiliary enterprises	4,080	6,481	8,122	8,770	9,456	10,100	10,674	6,685	3,989
Other funds revenues [3]	4,083	7,146	9,446	10,275	11,304	12,384	13,664	6,529	7,135
ant funds [4]	3,311	4,382	5,185	[5] 4,997	6,238	6,737	7,713	5,458	2,255
crease in fund balance	486	2,153	2,224	[5] 5,322	2,410	4,653	7,239	964	6,275
Endowment	229	1,874	2,030	[5] 4,875	2,148	4,302	6,792	880	5,912
Annuity and life income	26	64	49	[5] 177	69	153	235	11	224
Loans	231	215	145	[5] 269	193	198	212	73	139
urrent funds expenditures [6]	**35,058**	**56,914**	**70,339**	**75,936**	**81,993**	**89,951**	**97,536**	**63,194**	**34,342**
Educational and general	27,548	44,543	54,849	58,929	63,741	70,061	76,128	50,873	25,255
Instruction	11,798	18,497	22,963	24,673	26,436	28,777	31,032	21,881	9,151
Institutional support	3,057	5,054	6,471	6,951	7,763	8,588	9,351	5,667	3,684
Research	3,132	5,099	5,930	6,265	6,724	7,552	8,437	5,705	2,732
Plant operation [7]	2,787	4,700	5,979	6,392	6,730	7,346	7,605	5,177	2,428
Academic support	2,256	3,876	4,656	5,087	5,531	6,075	6,667	4,694	1,974
Libraries	1,002	1,624	1,922	2,040	2,231	2,361	2,551	1,685	866
Student services	1,439	2,567	3,177	3,461	3,798	4,178	4,563	2,922	1,641
Scholarships and fellowships	1,450	2,200	2,685	2,923	3,302	3,671	4,160	1,576	2,584
Unrestricted funds	632	905	1,236	1,479	1,738	1,962	2,285	697	1,588
Restricted funds	818	1,296	1,449	1,444	1,563	1,709	1,875	879	996
Public service	1,098	1,817	2,204	2,320	2,499	2,861	3,120	2,516	604
Mandatory transfers	532	732	784	857	958	1,015	1,192	735	457
Auxiliary enterprises [6]	4,074	6,486	7,996	8,614	9,250	10,012	10,528	6,830	3,698
Hospitals [6]	2,351	4,757	6,234	6,986	7,380	8,011	8,692	5,359	3,333
Independent operations [6]	1,087	1,128	1,259	1,406	1,622	1,868	2,187	132	2,055
ross addition to plant value [8]	**4,761**	**5,551**	**6,575**	**7,421**	**7,604**	**8,306**	**10,149**	**6,875**	**3,274**
lue of plant (grounds, buildings, quipment)	**52,183**	**83,733**	**94,517**	**100,993**	**107,640**	**114,764**	**122,261**	**82,553**	**39,708**
dowment (book value) [9]	**13,403**	**18,561**	**23,385**	**26,352**	**29,502**	**33,399**	**38,698**	**7,442**	**31,257**

[1] Private grants represent nongovernmental revenue for sponsored research and other sponsored programs; includes private ntracts. [2] Sales and services of educational departments only. [3] Includes sales and services of hospitals, federally funded search and development centers, and other sources. [4] Annual net increase in plant funds. [5] 1983 data estimated. [6] Includes mandatory transfers which are primarily current expenditures for plant. [7] Includes maintenance. [8] Includes penditures from current funds for plant expansion. [9] Includes funds functioning as endowment funds.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

o. 258. UNDERGRADUATE STUDENTS RECEIVING FINANCIAL AID, BY SOURCE OF AID, CONTROL AND LEVEL OF INSTITUTION: 1986–1987

[For full-time full-year students enrolled in the **fall**. Based on survey and subject to sampling error; see source]

NSTITUTIONAL CONTROL AND LEVEL	Total enrolled (1,000)	PERCENT RECEIVING AID BY SOURCE: Any aid [1]	Federal	State	Institutional	Other	MEAN AMOUNT OF AID BY SOURCE (dol.) [2]: Any aid	Federal	State	Institutional	Other
Total	**5,621.3**	**59.2**	**47.7**	**22.1**	**21.4**	**7.3**	**3,813**	**2,973**	**1,280**	**2,098**	**1,416**
blic	3,946.3	52.3	41.9	19.4	13.2	6.3	2,887	2,616	916	1,204	1,137
4-year doctoral	1,744.6	52.7	41.0	17.1	16.6	7.1	3,337	2,970	1,091	1,521	1,336
Other 4-year	1,045.4	55.9	47.2	25.1	11.1	5.9	2,957	2,630	928	996	1,070
2-year	1,104.8	47.4	37.3	17.7	10.3	5.6	2,053	2,008	636	627	619
Less than 2-year	51.5	71.3	63.9	21.7	3.5	3.9	2,391	2,276	907	(B)	(B)
vate, not for profit	1,392.3	73.4	57.0	31.4	48.2	10.5	5,633	3,525	1,873	2,790	1,777
4-year doctoral	538.0	67.9	52.7	25.0	44.7	9.6	6,509	3,843	2,047	3,691	2,251
Other 4-year	772.2	77.3	59.7	35.7	52.6	11.3	5,265	3,394	1,824	2,319	1,531
2-year	72.9	73.5	58.8	33.3	34.2	8.3	3,957	2,928	1,424	1,776	1,208
Less than 2-year	9.1	65.7	59.8	31.2	2.3	5.9	3,903	2,848	2,111	(B)	(B)
vate, for profit	282.7	86.4	82.6	13.3	4.8	4.5	4,025	3,631	1,825	2,182	2,751
2-year and above	135.7	86.6	83.7	18.8	4.6	3.6	3,946	3,452	1,688	2,643	2,247
Less than 2-year	147.0	86.2	81.6	8.2	4.9	5.3	4,098	3,799	2,116	1,775	3,053

B Base figure too small to provide reliable estimate. [1] Excludes duplication. Includes students who did not specify source of d. [2] For students for whom award amount was available. For definition of mean, see Guide to Tabular Presentation.

Source: U.S. Department of Education, National Center for Education Statistics, *Undergraduate Financing of Postsecondary ucation*, May 1988.

NO. 259. MAJOR FEDERAL STUDENT FINANCIAL ASSISTANCE PROGRAMS—TYPE OF PROGRAM, NUMBER OF RECIPIENTS, AND FUNDS UTILIZED: 1970 TO 1988

[For award years **July 1** of year shown to the following **June 30**. For information on various programs, see source. Funds utilized exclude operating costs, etc., and represent funds given to students]

PROGRAM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987, prel.	1988, prel.
Pell Grants:											
Number of recipients	1,000	(X)	1,216	2,856	2,608	2,849	2,830	2,910	2,762	2,672	3,2
Funds utilized	Mil. dol	(X)	925	2,387	2,425	2,792	3,035	3,572	3,443	3,626	4,51
Average grant	Dollars	(X)	761	835	930	980	1,073	1,227	1,247	1,357	1,46
Supplemental Educational Opportunity Grants: [1]											
Number of recipients	1,000	253.4	390.0	716.5	640.7	648.6	652.0	686.0	631.2	639.0	627
Funds utilized	Mil. dol	134	201	368	343	361	374	410	399	390	[illegible]
Average grant	Dollars	527	513	513	535	557	573	598	633	620	[illegible]
National Direct Student Loans:											
Number of recipients	1,000	452.0	690.0	813.4	674.9	718.6	697.2	700.9	715.9	836.0	878
Loan funds utilized [2]	Mil. dol	241	460	694	597	682	677	703	763	852	[illegible]
Average loan	Dollars	532	667	853	884	949	971	1,003	1,067	1,020	1,0
Loans in default [3]	Mil. dol	(NA)	(NA)	608.1	675.2	668.0	690.1	690.7	(NA)	(NA)	(N
Default rate	Percent	(NA)	(NA)	11.9	10.5	9.5	8.3	7.7	(NA)	(NA)	(N
College Work-Study:											
Number of recipients	1,000	425.0	570.0	819.1	720.1	771.8	735.5	728.4	700.1	722.0	717.0
Funds utilized [2]	Mil. dol	200	295	660	615	684	645	656	640	664	[illegible]
Average annual earnings	Dollars	470	518	806	854	886	877	901	915	920	[illegible]
Guaranteed Student Loans: [4]											
Number of loans	1,000	1,017	923	2,904	3,022	3,268	3,722	3,728	3,773	3,551	3,80
Loan funds utilized [5]	Mil. dol	1,015	1,267	6,200	6,694	7,578	8,606	8,831	9,083	9,386	9,75
Average loan	Dollars	998	1,373	2,135	2,215	2,319	2,313	2,369	2,408	2,643	2,56
Loans in default	Mil. dol	(NA)	(NA)	1,694	2,515	3,191	4,227	(NA)	(NA)	(NA)	(N
Default rate [6]	Percent	(NA)	(NA)	9.7	8.3	8.3	8.9	(NA)	(NA)	(NA)	(N

NA Not available. X Not applicable. [1] For 1970, data represents Educational Opportunity Grants Program. [2] Includes institutional matching funds. [3] Loans in default represents all loans in institutions' portfolio. [4] Beginning with 1982 data include activity under the PLUS Program (includes the following eligible borrowers: Parents of dependent undergraduate students, independent undergraduate students, and graduate professional students). [5] Represents dollar amount of commitments. [6] Cumulative dollar amount of default claims to lenders, minus cumulative collections as a percent of cumulative matured loans.

Source: U.S. Dept. of Education, Office of Postsecondary Education, unpublished data.

NO. 260. FINANCES OF PUBLIC INSTITUTIONS OF HIGHER EDUCATION, 1987 AND 1988, AND BY STATE, 1988

[For academic years ending in year shown. Data provided by the State higher education finance officers, except as indicated]

YEAR AND STATE	FTE [1] enrollment (1,000)	APPROPRIATIONS FOR CURRENT OPERATIONS [2]		NET TUITION REVENUES [3]	
		Total (mil. dol.)	Per FTE [1] student (dol.)	Total (mil. dol.)	Per FTE [1] student (dol.)
Total, 1987	7,114.4	27,769.4	3,903	8,370.3	1,177
Total, 1988	**7,189.4**	**29,138.6**	**4,053**	**8,986.3**	**1,250**
AL	144.9	506.1	3,493	194.2	1,340
AK	14.1	128.0	9,046	15.3	1,082
AZ	115.8	441.7	3,814	119.7	1,033
AR	56.2	198.5	3,532	71.7	1,276
CA	1,037.3	5,103.6	4,920	511.5	493
CO	116.2	318.8	2,745	203.3	1,750
CT	62.5	341.5	5,468	89.1	1,427
DE	21.8	92.7	4,244	72.1	3,301
DC	7.7	71.7	9,326	6.2	806
FL	239.1	809.6	3,386	230.5	964
GA [4]	127.0	588.2	4,631	175.0	1,378
HI	27.8	189.0	6,805	20.0	720
ID	29.6	133.5	4,513	19.8	669
IL	352.7	1,215.4	3,446	336.8	955
IN	157.3	585.4	3,723	281.2	1,788
IA	93.9	366.4	3,903	167.3	1,782
KS	94.3	328.6	3,486	110.0	1,167
KY	96.7	342.2	3,539	123.0	1,272
LA	119.8	316.4	2,641	180.4	1,506
ME	26.8	132.2	4,938	41.2	1,539
MD	147.5	533.4	3,615	234.9	1,592
MA	125.6	688.7	5,482	178.2	1,419
MI	326.4	1,202.4	3,684	684.1	2,096
MN	164.4	670.6	4,080	207.2	1,261

STATE	FTE [1] enrollment (1,000)	APPROPRIATIONS FOR CURRENT OPERATIONS [2]		NET TUITION REVENUES [3]	
		Total (mil. dol.)	Per FTE [1] student (dol.)	Total (mil. dol.)	Per FTE [1] student (dol.)
MS	83.4	239.1	2,867	119.1	1,428
MO	129.9	474.2	3,652	193.1	1,487
MT	26.1	93.1	3,563	24.5	939
NE	53.7	158.6	2,955	64.8	1,207
NV	24.1	98.3	4,085	24.5	1,016
NH	23.9	62.5	2,618	73.6	3,083
NJ	152.4	844.0	5,540	214.9	1,410
NM	47.1	196.4	4,172	36.6	777
NY	416.5	2,546.7	6,115	495.0	1,188
NC	236.0	987.0	4,182	158.9	673
ND	30.2	91.0	3,016	39.9	1,322
OH	314.4	1,045.1	3,324	573.3	1,823
OK	103.0	370.9	3,602	91.7	891
OR	95.5	342.3	3,583	115.0	1,204
PA	256.7	1,008.7	3,930	631.5	2,460
RI	26.2	116.0	4,423	49.5	1,887
SC	103.0	374.2	3,632	167.8	1,629
SD	17.7	48.0	2,705	20.1	1,133
TN	121.6	516.1	4,244	160.4	1,319
TX	549.2	1,673.8	3,048	463.0	843
UT	56.2	227.2	4,045	62.1	1,105
VT	14.8	29.9	2,018	73.0	4,927
VA	191.0	699.7	3,664	299.4	1,568
WA	150.7	604.2	4,010	155.9	1,035
WV	53.3	153.6	2,883	60.7	1,139
WI	189.0	717.6	3,796	330.8	1,750
WY	18.7	115.8	6,203	14.5	777

[1] Full-time equivalent (FTE). Credit and non-credit program enrollment including summer session. Excludes medical enrollments.
[2] State and local appropriations. Includes aid to students attending in-State public institutions. Excludes sums for research, agriculture stations and cooperative extension, and hospitals and medical schools. [3] Excludes appropriated aid to students attending in-State public institutions. [4] Estimated by collecting agency.
Source: Research Associates of Washington, Washington, DC, *State Profiles: Financing Public Higher Education*, annual.

NO. 261. INSTITUTIONS OF HIGHER EDUCATION—CHARGES: 1970 TO 1988

[In dollars. Estimated. Data are for the entire academic year ending in year shown. Figures for 1970 are average charges for full-time resident degree-credit students; figures for later years are average charges per full-time equivalent student. Room and board are based on full-time students]

ACADEMIC CONTROL AND YEAR	TUITION AND REQUIRED FEES				BOARD RATES				DORMITORY CHARGES			
	All institutions	2-yr. colleges	4-yr. universities	Other 4-yr. schools	All institutions	2-yr. colleges	4-yr. universities	Other 4-yr. schools	All institutions	2-yr. colleges	4-yr. universities	Other 4-yr. schools
Public:												
1970	323	178	427	306	511	465	540	483	369	308	395	346
1975	432	277	599	448	625	638	634	613	506	424	527	497
1980	583	355	840	662	867	894	898	833	715	572	749	703
1984	891	528	1,284	1,052	1,178	1,205	1,213	1,141	1,087	801	1,131	1,092
1985	971	584	1,386	1,117	1,241	1,302	1,276	1,201	1,196	921	1,237	1,200
1986	1,044	641	1,536	1,157	1,300	1,380	1,320	1,240	1,240	960	1,290	1,240
1987, est	1,106	660	1,651	1,248	1,468	1,417	1,537	1,416	1,301	979	1,355	1,295
1988, est	1,160	690	1,750	1,320	1,520	1,490	1,600	1,470	1,350	1,050	1,410	1,340
Private:												
1970	1,533	1,034	1,809	1,468	561	546	608	543	436	413	503	409
1975	2,117	1,367	2,614	1,954	700	660	771	666	586	564	691	536
1980	3,130	2,062	3,811	3,020	955	924	1,078	911	827	769	999	768
1984	4,851	3,099	6,217	4,726	1,380	1,219	1,559	1,327	1,278	1,253	1,531	1,191
1985	5,314	3,485	6,843	5,135	1,462	1,294	1,647	1,405	1,426	1,424	1,753	1,309
1986	5,778	3,672	7,374	5,641	1,540	1,340	1,720	1,490	1,550	1,500	1,940	1,420
1987, est	6,316	3,684	8,118	6,171	1,786	1,506	2,166	1,667	1,658	1,266	2,097	1,578
1988, est	6,820	3,910	8,770	6,670	1,900	1,600	2,310	1,770	1,760	1,360	2,250	1,610

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics,* annual.

NO. 262. VOLUNTARY FINANCIAL SUPPORT OF HIGHER EDUCATION: 1970 TO 1987

[For school years ending in years shown; enrollment as of fall of preceding year. Voluntary support, as defined in *Gift Reporting Standards,* excludes income from endowment and other invested funds as well as all support received from Federal, State, and local governments and their agencies]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Estimated support, total[1]	**Mil. dol**	**1,780**	**2,160**	**3,800**	**4,860**	**5,160**	**5,500**	**6,320**	**7,400**	**8,500**
Foundations	Mil. dol	484	497	903	1,003	1,018	1,081	1,175	1,363	1,513
Individuals	Mil. dol	822	1,002	1,757	2,337	2,427	2,621	2,876	3,606	4,412
Alumni	Mil. dol	381	486	910	1,240	1,237	1,305	1,460	1,825	2,346
Business corporations	Mil. dol	269	357	696	976	1,112	1,271	1,574	1,702	1,819
Religious denominations	Mil. dol	102	112	155	175	206	190	208	211	204
Current operations	Mil. dol	951	1,370	2,250	2,870	3,125	3,405	3,800	4,022	4,420
Capital purposes	Mil. dol	829	790	1,550	1,990	2,035	2,195	2,520	3,378	4,080
Enrollment, higher education	1,000	8,094	10,224	11,570	12,372	12,426	12,465	12,242	12,247	12,501
Support per student	Dollars	220	211	328	393	415	449	516	604	680
In 1987 dollars	Dollars	194	137	142	140	141	147	163	186	203
Expenditures, higher education	Bil. dol	24.7	38.9	62.5	77.3	83.3	89.6	98.3	105.7	113.8
Expenditures per student	Dollars	3,052	3,805	5,402	6,248	6,704	7,188	8,030	8,631	9,103
In 1987 dollars	Dollars	2,698	2,460	2,327	2,225	2,282	2,358	2,536	2,653	2,722
Institutions reporting support	Number	1,045	986	1,019	1,101	1,137	1,118	1,114	1,194	1,174
Total support reported	**Mil. dol**	**1,472**	**1,675**	**3,055**	**4,086**	**4,368**	**4,685**	**5,295**	**6,332**	**7,323**
Private 4-year institutions	Mil. dol	1,154	1,227	2,178	2,835	2,968	3,146	3,522	4,164	4,844
Public 4-year institutions	Mil. dol	292	431	856	1,217	1,362	1,504	1,728	2,104	2,413
Two-year colleges	Mil. dol	26	17	20	34	38	35	45	64	65

[1] Includes other contributions not shown separately.

Source: Council for Aid to Education, New York, NY, *Voluntary Support of Education,* annual.

NO. 263. INSTITUTIONS OF HIGHER EDUCATION—AVERAGE SALARIES AND FRINGE BENEFITS FOR FACULTY MEMBERS, BY TYPE OF CONTROL: 1970 TO 1988

[In thousands of dollars. For academic year ending in year shown. Figures are for 9 months teaching for full-time faculty members in four-year colleges and universities]

TYPE OF CONTROL AND ACADEMIC RANK	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
AVERAGE SALARIES												
Public: All ranks	13.1	16.6	20.5	22.1	23.9	26.2	28.6	29.4	31.2	33.4	35.8	37.2
Professor	17.3	21.7	26.8	28.8	31.0	33.7	36.0	37.1	39.6	42.3	45.3	47.2
Associate professor	13.2	16.7	20.5	21.9	23.4	25.7	27.5	28.4	30.2	32.2	34.2	35.6
Assistant professor	10.9	13.7	16.8	18.0	19.2	21.2	22.6	23.5	25.0	26.7	28.5	29.6
Instructor	9.1	11.2	13.9	14.8	15.1	16.7	17.7	19.1	19.5	20.9	21.8	22.2
Private:[1] All ranks	13.1	16.6	21.2	22.1	24.4	26.8	29.2	31.1	33.0	35.4	37.8	39.7
Professor	17.8	22.4	28.1	30.1	32.7	35.8	38.8	41.5	44.1	47.0	50.3	52.2
Associate professor	12.6	16.0	19.8	21.0	23.1	25.4	27.5	29.4	30.9	32.9	34.9	36.6
Assistant professor	10.3	13.0	16.0	17.0	18.4	20.4	22.1	23.7	25.0	26.8	28.3	30.1
Instructor	8.6	10.9	13.2	13.3	14.4	15.9	17.6	18.4	19.0	19.8	20.4	22.7
AVERAGE FRINGE BENEFITS												
All ranks combined:												
Public	1.9	2.5	3.4	3.9	4.7	5.1	5.4	6.0	7.0	7.3	7.8	8.2
Private[1]	2.2	2.8	3.6	4.1	4.9	5.4	5.7	6.4	7.2	8.0	8.6	9.2

[1] Excludes church-related colleges and universities.

Source: Maryse Eymonerie Associates, c/o American Association of University Professors, Washington, DC, *Annual Report on the Economic Status of the Profession.*

NO. 264. INSTITUTIONS OF HIGHER EDUCATION—TENURE STATUS OF FULL-TIME FACULTY, BY TYPE OF INSTITUTION AND RANK OF FACULTY: 1986

[Data are for those institutions of higher education reporting tenure status. Excludes schools with no tenure]

TYPE OF INSTITUTION AND STATUS	TYPE OF INSTITUTION: Total [1]	University	Other 4-yr. colleges	2-yr. colleges	RANK OF FACULTY: Professor	Associate professor	Assistant professor	Instructor	Lectur
PUBLIC									
Total faculty	266,070	90,326	114,479	61,265	83,476	67,841	58,939	18,142	[illegible]
With tenure	183,432	61,512	75,533	46,387	80,536	57,966	17,165	2,439	[illegible]
Percent	68.9	68.1	66.0	75.7	96.5	85.4	29.1	13.4	[illegible]
PRIVATE									
Total faculty	92,682	30,051	61,278	1,353	30,744	26,237	26,357	6,314	[illegible]
With tenure	53,351	18,940	33,756	655	28,849	19,376	4,214	168	[illegible]
Percent	57.6	63.0	55.1	48.4	93.8	73.8	16.0	2.7	2.1

[1] Includes instructional faculty with no academic rank, not shown separately.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 265. MONTHLY SALARY OFFERS TO CANDIDATES FOR DEGREES BY FIELD OF STUDY: 1980 TO 1988

[**In dollars.** Data are average beginning salaries based on offers made by business, industrial, government, and nonprofit and educational employers to graduating students. Data from representative colleges throughout U.S.]

FIELD OF STUDY	BACHELOR'S				MASTER'S [1]				DOCTOR'S			
	1980	1985	1987	1988	1980	1985	1987	1988	1980	1985	1987	1988
Accounting	1,293	1,697	1,812	2,010	1,517	2,005	2,163	2,290	(NA)	(NA)	(NA)	(NA)
Business, general [2]	1,218	1,636	1,701	1,772	1,795	2,382	2,657	2,791	(NA)	(NA)	(NA)	(NA)
Marketing [3]	1,145	1,548	1,697	1,757	1,794	2,454	2,384	2,608	(NA)	(NA)	(NA)	(NA)
Engineering:												
Civil	1,554	1,969	2,037	2,119	1,753	2,363	2,413	2,467	2,089	2,507	3,336	3,144
Chemical	1,801	2,369	2,487	2,584	1,947	2,596	2,813	2,871	2,452	3,405	3,605	[illegible]
Electrical [4]	1,690	2,283	2,410	2,474	1,912	2,727	2,957	3,008	2,534	3,542	3,965	4,116
Mechanical	1,703	2,259	2,359	2,451	1,893	2,621	2,835	2,840	2,426	3,168	3,569	3,853
Nuclear [5]	1,668	2,283	2,379	2,373	1,831	2,582	2,866	2,655	(NA)	(NA)	(NA)	(NA)
Petroleum	1,987	2,583	2,568	2,672	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Engineering technology	1,585	2,137	2,185	2,290	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemistry	1,459	1,897	2,131	2,192	1,688	2,177	2,333	2,664	2,261	3,032	3,202	3,415
Mathematics	1,475	2,047	2,162	2,237	1,685	2,337	2,329	2,446	2,199	2,977	3,328	3,590
Physics	(NA)	(NA)	(NA)	2,378	(NA)	(NA)	(NA)	3,194	2,303	3,176	3,345	3,447
Humanities	1,074	1,461	1,688	1,630	1,309	1,514	1,887	1,674	(NA)	(NA)	(NA)	(NA)
Social sciences [6]	1,072	1,545	1,823	1,881	1,298	1,771	1,883	1,920	(NA)	(NA)	(NA)	(NA)
Computer science	1,558	2,082	2,197	2,276	1,858	2,584	2,817	2,866	(NA)	(NA)	(NA)	3,917

NA Not available. [1] Candidates with 1 year or less of full-time nonmilitary employment. [2] For master's degree, offers are after nontechnical undergraduate degree. [3] Includes distribution. [4] Includes computer engineering. [5] Includes engineering physics. [6] Excludes economics.

Source: College Placement Council, Inc., Bethlehem, PA, *Salary Survey, A Study of Beginning Offers*, annual. (Copyright.)

NO. 266. EARNED DEGREES CONFERRED, BY LEVEL OF DEGREE AND SEX: 1950 TO 1986

[**In thousands, except percent.** Beginning **1960,** includes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970,* series H-751-763 for similar data. See also Appendix III]

YEAR	DEGREES		BACHELOR'S		MASTER'S		FIRST PROFESSIONAL		DOCTOR'S	
	Total	Percent male	Male	Female	Male	Female	Male	Female	Male	Female
1950	497	75.7	[1] 329	[1] 103	41	17	(2)	(2)	6	1
1960	477	65.8	[1] 254	[1] 138	51	24	(2)	(2)	9	1
1965	664	66.5	289	213	78	40	27	1	15	2
1970	1,065	59.7	451	341	126	83	33	2	26	[illegible]
1974	1,310	58.1	527	418	158	119	49	5	27	6
1975	1,305	56.9	505	418	162	131	49	7	27	7
1976	1,334	56.3	505	421	167	145	53	10	26	8
1977	1,334	55.5	496	424	168	149	52	12	25	8
1978	1,332	54.4	487	434	161	150	52	14	24	8
1979	1,324	53.4	477	444	153	148	53	16	24	9
1980	1,330	52.6	474	456	151	147	53	17	23	10
1981	1,336	51.8	470	465	147	149	53	19	23	10
1982	1,353	51.2	473	480	146	150	52	20	22	10
1983	1,365	51.1	479	490	145	145	51	22	22	11
1984	1,366	51.2	482	492	144	141	51	23	22	11
1985	1,374	50.8	483	497	143	143	50	25	22	11
1986	1,384	50.6	486	502	144	145	49	25	22	12

[1] Includes first-professional degrees. [2] First-professional degrees are included with bachelor's degrees.

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annu

No. 267. EARNED DEGREES CONFERRED, BY FIELD OF STUDY, AND LEVEL OF DEGREE: 1971 TO 1986

LEVEL AND FIELD OF STUDY	1971	1975	1980	1981	1982	1983	1984	1985	1986
Bachelor's, total	**839,730**	**922,933**	**929,417**	**935,140**	**952,998**	**969,510**	**974,309**	**979,477**	**987,823**
Agriculture and natural resources	12,672	17,528	22,802	21,886	21,029	20,909	19,317	18,107	16,823
Architecture and environmental design	5,570	8,226	9,132	9,455	9,728	9,823	9,186	9,325	9,119
Area and ethnic studies	2,582	3,544	2,840	2,887	2,862	2,971	2,879	2,867	3,060
Business and management	114,865	133,010	185,361	199,338	214,001	226,893	230,031	233,351	238,160
Communications [1]	10,802	19,248	28,616	31,282	34,222	38,602	40,165	42,083	43,091
Computer and information sciences	2,388	5,033	11,154	15,121	20,267	24,510	32,172	38,878	41,889
Education	176,614	167,015	118,169	108,309	101,113	97,991	92,382	88,161	87,221
Engineering [1]	50,046	46,852	68,893	75,000	80,005	89,270	94,444	96,105	95,953
Foreign languages	19,945	17,606	11,133	10,319	9,841	9,685	9,479	9,954	10,102
Health sciences	25,190	48,858	63,607	63,348	63,385	64,614	64,338	64,513	64,535
Home economics	11,167	16,772	18,411	18,370	17,872	16,705	16,316	15,555	15,288
Law	545	436	683	776	846	1,099	1,272	1,157	1,197
Letters	64,933	48,534	33,497	33,208	34,334	32,743	33,739	34,091	35,434
Liberal/general studies	5,461	13,032	20,069	18,596	18,145	18,524	18,815	19,191	19,248
Library and archival sciences	1,013	1,069	398	375	307	258	255	202	157
Life sciences	35,743	51,741	46,370	43,216	41,639	39,982	38,640	38,445	38,524
Mathematics	24,801	18,181	11,378	11,078	11,599	12,453	13,211	15,146	16,306
Military sciences	357	340	251	305	263	267	195	299	256
Multi/interdisciplinary studies	8,306	15,185	14,404	15,895	17,651	17,282	16,734	15,727	15,700
Parks and recreation	1,621	4,518	5,753	5,729	5,335	5,198	4,752	4,593	4,433
Philosophy, religion, and theology	11,890	13,806	13,276	12,617	12,307	12,538	12,349	12,439	11,841
Physical sciences	21,412	20,778	23,410	23,952	24,052	23,405	23,671	23,732	21,731
Psychology	37,880	50,988	41,962	40,833	41,031	40,354	39,872	39,811	40,521
Protective services	2,045	9,956	15,015	13,707	12,438	12,579	12,654	12,510	12,704
Public affairs	6,252	14,730	18,422	18,714	18,739	16,290	14,396	13,838	13,878
Social sciences	155,236	135,165	103,519	100,345	99,545	95,088	93,212	91,461	93,703
Visual and performing arts	30,394	40,782	40,892	40,479	40,422	39,469	39,833	37,936	36,949
Master's, total	**230,509**	**292,450**	**298,081**	**295,739**	**295,546**	**289,921**	**[2]284,263**	**286,251**	**288,567**
Agriculture and natural resources	2,457	3,067	3,976	4,003	4,163	4,254	4,178	3,928	3,801
Architecture and environmental design	1,705	2,938	3,139	3,153	3,327	3,357	3,223	3,275	3,260
Area and ethnic studies	1,032	1,166	852	804	809	826	888	879	927
Business and management	26,481	36,247	55,006	57,888	61,299	65,319	66,653	67,527	67,137
Communications [1]	1,856	2,794	3,082	3,105	3,327	3,604	3,656	3,669	3,823
Computer and information sciences	1,588	2,299	3,647	4,218	4,935	5,321	6,190	7,101	8,070
Education	88,952	120,169	103,951	98,938	93,757	84,853	77,187	76,137	76,353
Engineering [1]	16,443	15,348	16,243	16,709	17,939	19,350	[2]20,661	21,557	21,661
Foreign languages	4,755	3,807	2,236	2,104	2,008	1,759	1,773	1,724	1,721
Health sciences	5,445	9,901	15,068	16,004	15,942	17,068	17,443	17,383	18,624
Home economics	1,452	1,901	2,690	2,570	2,355	2,406	2,422	2,383	2,298
Law	955	1,245	1,817	1,832	1,883	2,091	1,802	1,796	1,924
Letters	11,148	10,068	6,807	6,515	6,421	5,757	5,818	5,934	6,291
Liberal/general studies	549	1,630	1,373	1,085	1,094	889	1,173	1,180	1,154
Library and archival sciences	7,001	8,091	5,374	4,859	4,506	3,979	3,805	3,893	3,626
Life sciences	5,728	6,550	6,510	5,978	5,874	5,696	5,406	5,059	5,013
Mathematics	5,191	4,327	2,860	2,567	2,727	2,837	2,741	2,882	3,159
Military sciences	2	-	46	43	49	110	127	119	83
Multi/interdisciplinary studies	1,157	1,938	3,579	3,434	3,884	2,930	3,148	3,184	3,104
Parks and recreation	218	604	647	643	526	565	[2]555	544	495
Philosophy, religion, and theology	4,036	4,630	5,126	5,449	5,216	5,873	6,259	5,519	5,630
Physical sciences	6,367	5,807	5,219	5,284	5,514	5,290	5,576	5,796	5,902
Psychology	4,431	7,068	7,806	7,998	7,791	8,378	8,002	8,408	8,293
Protective services	194	993	1,805	1,538	1,336	1,300	1,219	1,235	1,074
Public affairs	8,215	14,610	18,413	18,524	18,216	16,245	15,373	16,045	16,300
Social sciences	16,476	16,892	12,101	11,855	11,892	11,112	10,465	10,380	10,428
Visual and performing arts	6,675	8,362	8,708	8,629	8,746	8,742	8,520	8,714	8,416
Doctorate's, total	**32,107**	**34,083**	**32,615**	**32,958**	**32,707**	**32,775**	**33,209**	**32,943**	**33,653**
Agriculture and natural resources	1,086	991	991	1,067	1,079	1,149	1,172	1,213	1,158
Architecture and environmental design	36	69	79	93	80	97	84	89	73
Area and ethnic studies	144	165	151	162	102	153	139	137	157
Business and management	807	1,009	792	842	855	809	977	866	969
Communications [1]	145	165	193	182	200	214	219	234	223
Computer and information sciences	128	213	240	252	251	262	251	248	344
Education	6,403	7,446	7,941	7,900	7,680	7,551	7,473	7,151	7,110
Engineering [1]	3,638	3,108	2,507	2,561	2,636	2,831	2,981	3,230	3,410
Foreign languages	781	857	549	588	536	488	462	437	448
Health sciences	459	609	771	827	910	1,155	1,163	1,199	1,241
Home economics	123	156	192	247	247	255	279	276	311
Law	20	21	40	60	22	72	121	105	54
Letters	1,857	1,951	1,500	1,380	1,313	1,176	1,215	1,239	1,215
Life sciences	3,645	3,384	3,636	3,718	3,743	3,341	3,437	3,432	3,358
Mathematics	1,199	975	724	728	681	698	695	699	742
Multi/interdisciplinary studies	80	254	295	256	358	387	378	285	319
Philosophy, religion, and theology	866	1,416	1,693	1,686	1,652	1,612	1,644	1,608	1,660
Physical sciences	4,390	3,626	3,089	3,141	3,286	3,269	3,306	3,403	3,551
Psychology	1,782	2,442	2,768	2,955	2,780	3,108	2,973	2,908	3,088
Public affairs	185	271	372	388	389	347	421	431	385
Social sciences	3,659	4,209	3,219	3,114	3,061	2,931	2,911	2,851	2,955
Visual and performing arts	621	649	655	654	670	692	726	693	722
Other	53	97	218	157	176	178	180	209	160

- Represents zero. [1] Includes technologies. [2] Data revised since originally published.

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 268. Degrees Conferred in Selected Professions: 1960 to 1986

[First professional degrees for medicine, dentistry, and law. As of **spring**. See Appendix III]

TYPE OF DEGREE AND SEX OF RECIPIENT	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Medicine (M.D.):											
Institutions conferring degrees	79	86	104	109	112	116	119	118	119	120	[illegible]
Degrees conferred, total	7,032	8,314	12,447	14,786	14,902	15,505	15,814	15,484	15,813	16,041	[illegible]
Men	6,645	7,615	10,818	11,381	11,416	11,672	11,867	11,350	11,359	11,167	[illegible]
Women	387	699	1,629	3,405	3,486	3,833	3,947	4,134	4,454	4,874	[illegible]
Percent of total	5.5	8.4	13.1	23.0	23.4	24.7	25.0	26.7	28.2	30.4	[illegible]
Dentistry (D.D.S. or D.M.D.):											
Institutions conferring degrees	45	48	52	58	58	58	58	59	60	59	[illegible]
Degrees conferred, total	3,247	3,718	4,773	5,434	5,258	5,460	5,282	5,585	5,353	5,339	[illegible]
Men	3,221	3,684	4,627	4,794	4,558	4,672	4,467	4,631	4,302	4,233	[illegible]
Women	26	34	146	640	700	788	815	954	1,051	1,106	[illegible]
Percent of total	.8	.9	3.1	11.8	13.3	14.4	15.4	17.1	19.6	20.7	[illegible]
Law (LL.B. or J.D.):											
Institutions conferring degrees	134	145	154	175	179	177	180	177	179	181	[illegible]
Degrees conferred, total	9,240	14,916	29,296	35,206	35,647	36,331	35,991	36,853	37,012	37,491	[illegible]
Men	9,010	14,115	24,881	25,180	24,893	24,563	23,965	23,550	23,382	23,070	[illegible]
Women	230	801	4,415	10,026	10,754	11,768	12,026	13,303	13,630	14,421	[illegible]
Percent of total	2.5	5.4	15.1	28.5	30.2	32.4	33.4	36.4	36.8	38.5	[illegible]
Engineering: [1]											
Degrees conferred, total	45,624	63,753	65,308	80,376	87,643	94,270	100,580	111,451	118,086	120,892	[illegible]
Bachelor's	37,679	44,479	46,852	62,375	68,893	75,000	80,005	89,270	94,444	96,105	[illegible]
Master's	7,159	15,593	15,348	15,495	16,243	16,709	17,939	19,350	20,661	21,557	[illegible]
Doctorate's	786	3,681	3,108	2,506	2,507	2,561	2,636	2,831	2,981	3,230	3,410
Men	45,453	63,227	63,853	74,168	80,001	85,105	89,706	98,575	103,629	105,724	106,721
Women	171	526	1,455	6,208	7,642	9,165	10,874	12,876	14,457	15,168	15,303
Percent of total	.4	.8	2.2	7.7	8.7	9.7	10.8	11.6	12.2	12.5	[illegible]

[1] Includes engineering technologies.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 269. Total Graduate Student Enrollment and Degrees Conferred in Selected Fields, by Race/Ethnicity: 1984

[As of **fall**. Excludes outlying areas. Totals may not agree with other published data because of newly classified schools for which racial/ethnic data were not imputed. For methodological details, see source]

ITEM	NUMBER				PERCENT DISTRIBUTION			
	Total	Minority [1]	White [2]	Non-resident alien [3]	Total	Minority [1]	White [2]	Non-resident alien [3]
Graduate enrollment	1,113,113	111,625	892,091	109,397	100.0	10.0	80.1	[illegible]
Degrees conferred: [4]								
Masters	260,421	29,841	223,628	6,952	100.0	10.6	79.7	[illegible]
Doctorates	32,307	3,056	23,934	5,317	100.0	9.5	74.1	16.5
SELECTED FIELD								
Agribusiness/agri. products:								
Masters	786	56	520	210	100.0	7.1	66.2	26.7
Doctorates	198	35	111	52	100.0	17.7	56.1	26.3
Agriculture sciences:								
Masters	2,062	136	1,434	492	100.0	6.6	69.5	23.9
Doctorates	822	62	519	241	100.0	7.5	63.1	29.3
Business and management:								
Masters	66,531	6,106	54,623	5,802	100.0	9.2	82.1	8.7
Doctorates	847	57	587	203	100.0	6.7	69.3	24.0
Computer and info. systems:								
Masters	6,942	930	4,303	1,709	100.0	13.4	62.0	24.6
Doctorates	240	20	150	70	100.0	8.3	62.5	29.2
Engineering:								
Masters	20,145	2,265	12,186	5,694	100.0	11.2	60.5	28.3
Doctorates	3,165	398	1,370	1,397	100.0	12.6	43.3	44.1
Mathematics:								
Masters	2,831	273	1,873	685	100.0	9.6	66.2	24.2
Doctorates	686	65	372	249	100.0	9.5	54.2	36.3
Physical sciences:								
Masters	5,661	430	4,133	1,098	100.0	7.6	73.0	19.4
Doctorates	3,369	268	2,420	681	100.0	8.0	71.8	20.2
Social sciences:								
Masters	10,197	1,065	7,333	1,799	100.0	10.4	71.9	17.6
Doctorates	2,828	262	1,969	597	100.0	9.3	69.6	21.1

[1] American Indian/Alaskan native, Non-Hispanic Black, Asian/Pacific Islander and Hispanic. [2] Non-Hispanic. [3] A person who is not a citizen or national of the U.S. who is in the country on a temporary basis and does not have the right to remain indefinitely. [4] Includes degrees conferred in fields not shown separately.

Source: U.S. National Center for Education Statistics, *Education Data Tabulations*, January 1986.

NO. 270. EARNED DEGREES BELOW BACHELOR'S, BY CURRICULUM: 1983 TO 1986

[Covers associate degrees and other awards based on post-secondary curriculums of less than 4 years in institutions of higher education]

FIELD OF STUDY	1983	1984	1985	1986	PERCENT FEMALE			
					1983	1984	1985	1986
All degrees	**605,605**	**610,332**	**614,749**	**604,634**	**53.6**	**54.3**	**61.4**	**55.7**
Agriculture and natural resources	11,672	10,641	10,466	9,263	30.3	28.9	29.6	29.5
Architecture and environmental design	2,012	1,927	1,939	2,016	81.9	84.3	82.5	85.6
Area and ethnic studies	60	64	69	115	58.3	60.9	71.0	39.1
Business and management	161,885	166,238	170,170	166,168	65.8	66.5	68.4	70.3
Communications [1]	4,309	4,162	4,580	4,528	44.7	43.2	39.7	40.9
Computer and information sciences	12,970	16,111	15,896	13,307	50.5	49.1	49.3	49.5
Education	8,112	8,503	8,551	8,354	69.5	72.2	70.9	71.0
Engineering [1]	101,707	100,080	100,146	97,609	8.4	7.9	7.6	8.1
Foreign languages	394	372	427	526	56.3	57.5	49.6	50.2
Health sciences	101,584	107,142	107,248	104,051	87.6	87.0	86.7	86.4
Home economics	14,360	14,344	14,966	14,760	75.4	75.0	74.5	72.6
Law	2,287	2,551	2,948	3,259	83.0	83.1	84.3	83.8
Letters	731	822	681	812	63.6	64.8	65.9	62.7
Liberal/general studies	110,400	109,451	107,814	109,529	54.9	54.9	55.5	56.4
Library and archival sciences	305	260	253	208	88.9	86.2	89.7	88.0
Life sciences	1,227	1,297	1,205	1,080	47.9	52.4	60.8	56.2
Mathematics	813	821	813	705	37.7	36.4	37.8	38.3
Military sciences	88	87	34	[2] 1,000	2.3	4.6	-	3.3
Multi/interdisciplinary studies	10,518	8,398	8,697	9,873	53.6	54.5	53.8	54.2
Parks and recreation	1,144	819	893	787	52.6	50.9	51.8	50.4
Philosophy, religion, and theology	1,610	1,740	1,830	1,810	44.5	44.3	47.8	40.2
Physical sciences	3,245	2,990	2,296	2,230	34.7	34.7	36.3	39.8
Psychology	1,051	1,147	1,032	1,005	64.6	67.0	68.4	68.8
Protective services	15,873	15,554	16,057	15,592	23.6	23.8	23.8	25.2
Public affairs	6,074	5,812	6,230	6,245	49.8	47.2	40.8	42.9
Social sciences	3,004	2,755	2,613	2,753	52.9	57.1	57.3	58.3
Visual and performing arts	28,170	26,244	24,358	24,015	30.9	32.7	31.7	32.9
Undistributed	-	-	2,537	1,004	-	-	59.6	59.6

- Represents zero. [1] Includes technologies. [2] Includes a certificate program, not previously included.

Source: U.S. Dept. of Education, National Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 271. HIGHEST DEGREE HELD AND MEAN MONTHLY INCOME AND EARNINGS, FIELD OF DEGREE BY LEVEL: 1984

[For noninstitutional population 18 years of age and over with post-secondary degrees. Based on Survey of Income and Program Participation; for details see source. For definition of mean, see Guide to Tabular Presentation]

FIELD OF DEGREE	PERSONS WITH DEGREES (1,000)			MEAN MONTHLY INCOME [2] (dollars)			MEAN MONTHLY EARNINGS [2] (dollars)		
	All degrees [1]	Advanced degrees	Bachelor's degrees	All degrees [1]	Advanced degrees	Bachelor's degrees	All degrees [1]	Advanced degrees	Bachelor's degrees
Total	**35,250**	**8,306**	**18,067**	**1,910**	**2,711**	**1,841**	**1,623**	**2,341**	**1,540**
Agriculture/Forestry	561	40	387	2,110	(B)	1,945	1,819	(B)	1,559
Biology	665	148	472	1,718	(B)	1,559	1,411	(B)	1,201
Business/Management	6,687	985	3,476	2,215	3,564	2,381	1,986	3,192	2,179
Economics	493	107	354	2,824	(B)	2,846	2,366	(B)	2,280
Education	5,736	2,026	3,270	1,526	2,062	1,290	1,211	1,695	1,012
Engineering	2,778	420	1,757	2,707	3,308	2,833	2,258	2,886	2,282
English/Journalism	1,081	214	813	1,544	1,945	1,477	1,184	1,567	1,095
Home Economics	427	48	318	1,063	(B)	1,065	571	(B)	525
Law	947	827	101	3,726	4,060	(B)	3,338	3,624	(B)
Liberal Arts/Humanities	3,155	497	1,874	1,383	1,720	1,400	1,094	1,466	1,072
Math/Statistics	583	133	407	2,111	(B)	2,116	1,855	(B)	1,809
Medicine/Dentistry	977	744	127	3,440	4,234	(B)	3,060	3,797	(B)
Nursing/Pharmacy [3]	2,698	265	887	1,299	1,804	1,424	1,117	1,610	1,196
Physical/Earth Sciences	810	250	491	2,554	2,913	2,529	2,122	2,431	2,068
Police Sci./Law Enforcement	324	30	123	1,609	(B)	(B)	1,685	(B)	(B)
Psychology	808	230	519	1,543	2,282	1,251	1,350	1,881	1,166
Religion/Theology	535	303	164	1,530	1,584	(B)	1,171	1,211	(B)
Social Sciences	1,908	341	1,423	1,666	2,124	1,610	1,407	1,745	1,371
Vo-tech studies	1,589	18	139	1,456	(B)	(B)	1,280	(B)	(B)
Other	2,488	680	965	1,692	2,101	1,840	1,468	1,717	1,656

B Base is less than 200,000 persons. [1] Includes associate degrees and vocational certificates, not shown separately. [2] Four month average. [3] Includes Technical Health.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 11.

NO. 272. COLLEGE AND UNIVERSITY LIBRARIES—SUMMARY: 1985

[For **school year ending in year shown.** Based on survey of academic libraries and joint library systems in the 50 States and DC. Data from Survey of College and University Libraries, Fall 1985]

TYPE OF CONTROL AND ENROLLMENT SIZE	VOLUMES HELD		TITLES HELD		OPERATING EXPENSES ($1,000)				STAFF [1]	
	Total (1,000)	Per FTE [1] student	Total (1,000)	Per FTE [1] student	Total [2]	Wages and salaries [3]	Books	Serial subscriptions [4]	Total	Libra-ians
All types, public	**373,446**	**36**	**180,388**	**17**	**1,608,809**	**792,574**	**194,826**	**222,348**	**55,593**	[illegible]
10,000 or more	253,441	43	105,086	18	1,080,621	525,846	132,041	159,228	35,159	[illegible]
5,000 to 9,999	58,761	25	35,891	15	249,337	126,290	29,786	31,436	9,255	[illegible]
1,000 to 4,999	56,092	27	35,867	17	251,373	127,185	29,431	27,525	10,124	[illegible]
500 to 999	4,233	43	2,943	30	21,264	10,138	2,685	3,100	808	[illegible]
500 or less	917	32	586	21	6,214	3,113	683	1,059	245	[illegible]
All types, private	**260,402**	**94**	**129,069**	**46**	**808,189**	**389,146**	**108,993**	**115,926**	**33,249**	[illegible]
10,000 or more	79,220	118	29,126	43	289,960	133,004	32,218	39,593	9,173	[illegible]
5,000 to 9,999	42,633	82	14,889	29	143,618	65,753	18,399	24,503	4,969	[illegible]
1,000 to 4,999	90,559	76	53,431	45	265,033	118,498	41,957	38,289	13,074	[illegible]
500 to 999	26,474	97	17,737	65	64,210	29,888	9,045	8,743	3,470	[illegible]
500 or less	21,514	175	13,884	113	45,368	22,003	7,374	4,800	2,560	[illegible]

[1] Full-time equivalent. [2] Includes expenses not shown separately; excludes capital outlay. [3] Excludes fringe benefits and wages for student assistance. [4] Any publication issued on a recurring basis and held for reference.

Source: U.S. Dept. of Education, National Center for Education Statistics, unpublished data.

NO. 273. LIBRARIES—NUMBER, BY TYPE: 1980 TO 1987

TYPE	1980	1985	1987		TYPE	1980	1985	1987	
			Total	Percent				Total	Per-
Total [1]	**31,564**	**32,323**	**35,204**	**100.0**	Academic	4,591	5,034	4,824	[illegible]
					Junior college	1,191	1,188	1,270	[illegible]
United States	28,638	29,843	31,524	89.5	Colleges, universities	3,400	3,846	3,554	[illegible]
Public	8,717	8,849	9,170	26.0	Departmental	1,489	1,824	1,625	[illegible]
Public branches	5,936	6,330	6,117	17.4	Law, medicine, religious	269	531	532	[illegible]
Special [2]	7,649	7,530	9,147	26.0	Government	1,260	1,574	1,760	[illegible]
Medicine	1,674	1,667	1,885	5.4	Armed Forces	485	526	506	[illegible]
Religious	913	839	964	2.7	Outlying areas	113	114	123	[illegible]
Law	417	435	597	1.7					

[1] Includes public libraries with annual incomes of less than $2,000 or book funds of less than $500, law libraries with less than 10,000 volumes each, Canadian libraries, and libraries in regions administered by the U.S., not shown separately.

[2] Includes other types of special libraries, not shown separately. Increase between 1985 and 1987 is due mainly to revised criteria for identifying special libraries and improved methods of counting.

Source: R.R. Bowker Co., New York, NY, *The Bowker Annual of Library & Book Trade Information* and *American Library Directory*, annual. (Copyright by Reed Publishing.)

NO. 274. PATRON USE OF COMPUTERS IN PUBLIC LIBRARY SYSTEMS: 1984–1985

[For **winter 1984-85.** Based on survey and subject to sampling error. See source for details]

CHARACTERISTIC	Unit	Total	POPULATION SERVED			REGION [1]			
			Less than 10,000	10,000 to 99,999	100,000 and over	North Atlantic	Great Lakes and Plains	Southeast	West and Southwest
Library systems	Number	8,537	5,447	2,697	394	2,709	3,498	1,003	[illegible]
With computers for use [2]	Percent	18	13	26	42	21	16	17	[illegible]
In library	Percent	15	10	23	41	13	16	16	[illegible]
Outside library	Percent	4	4	6	3	9	3	1	[illegible]
Computers for use	Number	3,300	900	1,600	800	900	1,200	400	[illegible]
Inside library	Percent	75	68	73	88	57	80	91	[illegible]
Average per library system [3]	Number	2.1	1.3	2.3	4.6	1.6	2.1	2.4	[illegible]
Average use per week per computer [3] [4]	Hours	23.3	16.9	26.0	25.2	21.9	26.6	12.5	[illegible]
Users under 18 years [3] [4]	Percent	71	81	66	56	72	71	71	[illegible]

[1] For definition of regions, see footnotes, table 239. [2] Libraries systems with computers for use both inside and outside the library are counted only once in the total. [3] For systems with computers for patron use. [4] For computers used in library.

Source: U.S. Dept. of Education, National Center for Education Statistics, Bulletin, "Patron Use of Computers in Public Libraries," March 1986.

NO. 275. PARTICIPANTS IN ADULT EDUCATION, BY SELECTED CHARACTERISTICS: 1984

r the **year ending in May 1984.** Persons 17 years of age and over on the date of the survey. Adult education participants are nvolved in part-time organized educational activities such as college courses, employee training, continuing education and rivate instruction. Based on Current Population Survey; see text, section 1, and Appendix III]

CHARACTERISTIC	Number adults in population (1,000)	PARTICIPANTS IN ADULT EDUCATION					
		Total		Full-time students [1]		Not full-time students [1] [2]	
		Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent
Total	**172,583**	**23,303**	**13.5**	**1,118**	**.6**	**22,184**	**12.9**
e:							
17-34 years old	71,891	11,704	16.3	948	1.3	10,756	15.0
35-54 years old	52,303	8,864	16.9	152	.3	8,712	16.7
55 years old and over	48,389	2,735	5.7	18	(z)	2,717	5.6
x:							
Male	81,700	10,446	12.8	485	.6	9,961	12.2
Female	90,883	12,857	14.1	634	.7	12,224	13.5
acial/ethnic group:							
White, non-Hispanic	139,777	20,429	14.6	939	.7	19,491	13.9
Black, non-Hispanic	18,628	1,506	8.1	88	.5	1,418	7.6
Hispanic	9,706	796	8.2	63	.6	733	7.6
Other	4,472	571	12.8	28	.6	543	12.1
ghest level of education:							
Less than 4 years high school	47,297	1,890	4.0	315	.7	1,574	3.3
4 years of high school	66,224	6,991	10.6	193	.3	6,799	10.3
1 to 3 years of college	30,267	6,022	19.9	394	1.3	5,628	18.6
4 or more years of college	28,775	8,400	29.2	217	.8	8,184	28.4
bor force status:							
In labor force	112,441	19,788	17.6	740	.7	19,047	16.9
Employed	104,464	18,929	18.1	654	.6	18,275	17.5
Unemployed	7,977	859	10.8	86	1.1	772	9.7
Not in labor force	60,141	3,515	5.8	378	.6	3,137	5.2
Keeping house	31,131	2,178	7.0	22	.1	2,156	6.9
Going to school	6,866	524	7.6	330	4.8	195	2.8
Other	22,144	813	3.7	26	.1	786	3.5
nual family income:							
Under $5,000	13,016	797	6.1	85	.7	712	5.5
$5,000 to $9,999	21,870	1,454	6.6	113	.5	1,341	6.1
$10,000 to $14,999	22,588	2,117	9.4	93	.4	2,023	9.0
$15,000 to $19,999	19,775	2,508	12.7	114	.6	2,394	12.1
$20,000 to $29,999	32,521	5,128	15.8	222	.7	4,906	15.1
$30,000 to $39,999	24,126	4,424	18.3	186	.8	4,238	17.6
$40,000 to $49,999	12,643	2,626	20.8	103	.8	2,522	19.9
$50,000 to $74,999	11,981	2,543	21.2	123	1.0	2,420	20.2
$75,000 or more	5,112	1,011	19.8	48	.9	963	18.8
Not reported	8,951	695	7.8	32	.4	664	7.4

Z Less than .05 percent. [1] In high school or college degree programs on the date of the survey. [2] Includes part-time ndergraduate students and college students who indicated that they were also adult education participants.

NO. 276. COURSES TAKEN BY PARTICIPANTS IN ADULT EDUCATION: 1984

[See headnote, table 275]

FIELD OF STUDY	TOTAL (1,000)		PERCENT DISTRIBUTION	
	Male	Female	Male	Female
Total courses [1]	**17,770**	**22,981**	**100.0**	**100.0**
rts: Visual and performing	509	1,640	2.9	7.1
usiness	4,329	4,652	24.4	20.2
ducation	863	2,011	4.9	8.8
ngineering and engineering technology	4,030	1,869	22.7	8.1
ealth care and health sciences	1,648	3,453	9.3	15.0
ealth education	346	858	1.9	3.7
anguage, linguistics, and literature	828	1,338	4.7	5.8
ife science, physical sciences, and mathematical sciences	609	722	3.4	3.1
FIELD OF STUDY OR REASON	Male	Female	Male	Female
Philosophy, religion, and psychology	1,028	1,674	5.8	7.3
Physical education and leisure	684	1,640	3.8	7.1
Social sciences and social studies	1,230	850	6.9	3.7
Total courses [1]	**17,770**	**22,981**	**100.0**	**100.0**
Job-related reasons	12,607	13,552	70.9	59.0
To get new job	1,824	2,979	10.3	13.0
In current occupation	395	588	2.2	2.6
In new occupation	1,428	2,389	8.0	10.4
To advance in job	10,004	9,698	56.3	42.2
Other job-related reasons	780	876	4.4	3.8
Non-job related reasons	5,116	9,330	28.8	40.6
General education	1,448	1,910	8.1	8.3
Personal or social	3,299	6,932	18.6	30.2

[1] Includes courses or reasons not shown separately.

Source of tables 275 and 276: U.S. Dept. of Education, National Center for Education Statistics, "Survey of Adult Education, Current Population Survey, May 1984," unpublished data.

No. 433. PARTICIPATION IN ELECTIONS FOR PRESIDENT AND U.S. REPRESENTATIVES: 1960 TO 1988

[As of **November**. Estimated resident population 21 years old and over, 1960–1970, except as noted, and 18 years old and over thereafter; includes Armed Forces. District of Columbia is included in votes cast for President beginning 1964 and in votes cast for Representative beginning 1972]

YEAR	Resident population (incl. aliens) of voting age [1] (1,000)	VOTES CAST: For President (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)	Percent of voting-age population	YEAR	Resident population (incl. aliens) of voting age [1] (1,000)	VOTES CAST: For President (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)	Percent of voting-age population
1960	109,672	68,838	62.8	64,133	58.5	1974	146,338	(X)	(X)	52,495	35.9
1962	112,952	(X)	(X)	51,267	45.4	1976	152,308	81,556	53.5	74,422	48.9
1964	114,090	70,645	61.9	65,895	57.8	1978	158,369	(X)	(X)	55,332	34.9
1966	116,638	(X)	(X)	52,908	45.4	1980	164,595	86,515	52.6	77,995	47.4
1968	120,285	73,212	60.9	66,288	55.1	1982	169,939	(X)	(X)	64,514	38.0
1970	124,498	(X)	(X)	54,173	43.5	1984	174,447	92,653	53.1	83,231	47.7
1972	140,777	77,719	55.2	71,430	50.7	1986	178,335	(X)	(X)	59,619	33.4
						1988	182,628	[2] 91,610	50.2	(NA)	(NA)

NA Not available. X Not applicable. [1] Population 18 and over in Georgia and Kentucky, 19 and over in Alaska and 20 and over in Hawaii, 1960–1970. [2] Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study, '88–'89*, forthcoming.

Source: Except as noted, U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1019; and Elections Research Center, Washington, DC, *America Votes*, biennial (copyright).

No. 434. PRESIDENTIAL PRIMARIES—VOTES CAST AND PERCENT OF VOTING-AGE POPULATION CASTING VOTES, BY PARTY: 1988

[Presidential primaries were not held in AK, AZ, CO, DE, HI, IA, KS, ME, MI, MN, NV, ND, SC, UT, VT, WA, and WY]

STATE	Voting age population (VAP) (1,000)	VOTES CAST IN DEMOCRATIC PRIMARY: Total (1,000)	Percent of VAP	VOTES CAST IN REPUBLICAN PRIMARY: Total (1,000)	Percent of VAP	STATE	Voting age population (VAP) (1,000)	VOTES CAST IN DEMOCRATIC PRIMARY: Total (1,000)	Percent of VAP	VOTES CAST IN REPUBLICAN PRIMARY: Total (1,000)	Percent of VAP
AL	3,010	406	13.5	214	7.1	NE	1,167	164	14.1	203	17.4
AR	1,761	498	28.3	68	3.9	NH	823	124	15.0	158	19.2
CA	20,875	3,139	15.0	2,243	10.8	NJ	5,943	671	11.3	282	4.8
CT	2,492	241	9.7	104	4.2	NM	1,101	189	17.1	89	8.1
DC	489	86	17.7	7	1.5	NY	13,460	1,575	11.7	-	-
FL	9,614	1,273	13.2	901	9.4	NC	4,913	680	13.8	274	5.6
GA	4,665	623	13.4	401	8.6	OH	7,970	1,376	17.3	787	9.9
ID	701	51	7.3	68	9.7	OK	2,404	393	16.3	209	8.7
IL	8,550	1,496	17.5	858	10.0	OR	2,051	401	19.6	274	13.4
IN	4,066	646	15.9	438	10.8	PA	9,060	1,508	16.6	871	9.6
KY	2,746	319	11.6	121	4.4	RI	764	49	6.4	16	2.1
LA	3,175	624	19.7	145	4.6	SD	509	72	14.1	93	18.4
MD	3,491	531	15.2	201	5.8	TN	3,661	576	15.7	254	6.9
MA	4,535	714	15.7	241	5.3	TX	12,270	1,767	14.4	1,015	8.3
MS	1,867	359	19.3	159	8.5	VA	4,544	365	8.0	234	5.2
MO	3,821	528	13.8	400	10.5	WV	1,398	340	24.3	143	10.2
MT	586	122	20.8	86	14.7	WI	3,536	1,015	28.7	359	10.2

- Represents zero.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study, '88–'89*, forthcoming.

No. 435. POLITICAL PARTY IDENTIFICATION OF THE ADULT POPULATION, BY DEGREE OF ATTACHMENT: 1960 TO 1986

[**In percent.** Covers citizens of voting-age living in private housing units in the contiguous U.S. Data are from the National Election Studies and are based on a sample (for 1986, 2,166 respondents) and subject to sampling variability; for details, see source]

DEGREE OF ATTACHMENT	1960	1964	1968	1970	1972	1976	1980	1984	1986
Total	100	100	100	100	100	100	100	100	100
Strong Democrat	20	27	20	20	15	15	18	17	18
Weak Democrat	25	25	25	24	26	25	23	20	22
Independent Democrat	6	9	10	10	11	12	11	11	10
Independent	10	8	11	13	13	15	13	11	12
Independent Republican	7	6	9	8	11	10	10	12	11
Weak Republican	14	14	15	15	13	14	14	15	15
Strong Republican	16	11	10	9	10	9	9	12	10
Apolitical	3	1	1	1	1	1	2	2	2

Source: Center for Political Studies, University of Michigan, Ann Arbor, MI, unpublished data.

best copy available

No. 436. Resident Population of Voting-Age and Percent Casting Votes—States: 1976 to 1988

[As of November. Estimated population, 18 years old and over. Includes Armed Forces stationed in each State, aliens, and institutional population. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	VOTING AGE POPULATION (1,000)								PERCENT CASTING VOTES FOR PRESIDENTIAL ELECTORS			PERCENT CASTING VOTES FOR U.S. REPRESENTATIVES		
	1976	1980	1982	1984	1986	1988, proj.			1980	1984	1988	1982	1984	1986
						Total	Percent—							
							Black	Hispanic [1]						
U.S.	152,308	164,595	169,939	174,467	178,482	182,628	11.2	7.1	52.6	53.1	50.2	38.0	47.7	33.4
Region:														
Northeast	35,354	36,287	36,903	37,522	37,997	38,402	10.1	5.7	52.9	54.6	51.7	39.7	51.1	32.6
Midwest	40,248	42,194	42,670	43,180	43,610	43,952	8.9	2.3	59.7	58.9	56.1	44.7	56.0	38.9
South	49,113	54,556	57,235	59,297	61,060	63,032	16.9	6.2	47.3	48.6	45.3	29.4	38.6	26.9
West	27,592	31,558	33,132	34,469	35,815	37,242	5.2	15.9	51.7	51.9	49.7	42.1	49.3	38.5
N.E.	8,711	9,144	9,333	9,559	9,738	9,920	4.0	2.4	59.6	58.7	57.8	44.8	56.5	37.4
ME	759	811	829	854	874	893	.3	.4	64.5	64.7	62.1	54.5	63.5	48.3
NH	593	672	699	734	775	823	.6	.6	57.1	53.0	54.8	38.5	50.8	31.1
VT	337	370	382	392	402	412	.3	.7	57.7	[illegible]	59.0	43.2	57.6	47.0
MA	4,132	4,278	4,350	4,443	4,497	4,535	4.2	2.5	59.0	57.6	58.1	43.5	52.8	33.4
RI	689	710	720	735	750	764	3.2	2.2	58.6	55.7	53.0	46.2	53.0	40.8
CT	2,201	2,304	2,353	2,401	2,440	2,492	7.1	3.9	61.0	61.1	57.9	45.5	59.7	40.2
M.A.	26,643	27,143	27,569	27,963	28,259	28,482	12.3	6.8	50.6	53.2	49.6	37.9	49.6	31.0
NY	12,892	12,933	13,113	13,301	13,406	13,480	14.5	10.3	48.0	51.2	48.1	35.7	46.7	29.1
NJ	5,220	5,422	5,557	5,687	5,812	5,943	12.7	7.3	54.9	56.6	52.1	38.6	52.6	26.7
PA	8,531	8,787	8,899	8,975	9,041	9,060	8.6	1.2	51.9	54.0	50.1	40.8	51.9	36.6
E.N.C.	28,469	29,766	30,009	30,322	30,649	30,914	10.8	2.8	58.7	58.1	54.9	43.3	54.6	37.0
OH	7,461	7,744	7,798	7,841	7,906	7,970	10.0	.9	55.3	58.0	55.1	42.7	55.2	36.8
IN	3,692	3,892	3,938	3,993	4,032	4,068	7.5	1.4	57.6	55.9	53.3	45.6	54.6	36.6
IL	7,939	8,235	8,343	8,436	8,501	8,550	14.2	6.6	57.7	57.1	53.3	43.3	54.3	35.5
MI	6,214	6,520	6,497	6,566	6,691	6,791	13.2	1.6	60.0	57.9	54.0	43.2	52.6	34.8
WI	3,163	3,375	3,433	3,485	3,517	3,536	3.9	1.3	67.4	63.5	62.0	42.3	59.5	39.3
W.N.C.	11,780	12,428	12,661	12,853	12,961	13,037	4.4	1.2	62.1	60.9	58.9	48.1	58.7	43.4
MN	2,726	2,933	3,001	3,056	3,112	3,161	1.3	.8	70.0	68.2	66.3	58.3	64.6	44.8
IA	2,026	2,099	2,113	2,120	2,098	2,068	1.6	.9	62.8	62.2	59.3	47.5	59.8	42.4
MO	3,408	3,578	3,635	3,708	3,766	3,821	9.7	.9	58.7	57.3	54.8	42.0	55.0	38.0
ND	442	467	485	493	488	483	.5	.5	64.6	62.7	61.5	53.8	62.7	58.6
SD	469	488	498	506	510	509	.4	.5	67.1	62.6	61.5	55.3	62.2	56.9
NE	1,081	1,133	1,157	1,172	1,170	1,167	3.0	1.7	56.6	55.6	56.7	44.9	55.5	47.4
KS	1,628	1,730	1,772	1,798	1,816	1,829	5.2	2.8	56.6	56.8	54.3	42.7	55.3	43.3
S.A.	24,586	27,273	28,521	29,737	30,872	32,137	18.8	3.6	46.2	47.5	44.3	29.3	38.6	26.8
DE	412	432	444	459	475	490	16.4	1.5	54.7	55.5	51.1	42.4	52.9	33.9
MD	2,920	3,080	3,164	3,260	3,372	3,491	23.9	1.7	50.0	51.4	49.1	34.5	45.9	31.5
DC	525	495	491	489	488	489	64.8	3.1	35.4	43.1	39.4	22.9	33.1	26.0
VA	3,613	3,930	4,080	4,235	4,377	4,544	17.8	1.6	47.5	50.7	48.2	32.7	43.4	23.8
WV	1,314	1,400	1,421	1,422	1,412	1,398	2.9	.4	52.7	51.8	46.7	38.5	49.5	28.0
NC	3,907	4,274	4,424	4,593	4,738	4,913	20.2	.6	43.4	47.4	43.4	29.9	47.0	33.2
SC	1,993	2,215	2,305	2,382	2,452	2,534	27.3	.6	40.4	40.7	38.9	28.5	39.0	29.2
GA	3,494	3,870	4,041	4,231	4,430	4,665	24.4	.9	41.3	42.0	38.8	22.4	35.9	24.0
FL	6,408	7,578	8,152	8,665	9,127	9,614	11.8	9.4	48.7	48.2	44.7	[2] 27.1	[2] 28.1	[2] 23.5
E.S.C.	9,624	10,399	10,659	10,881	11,068	11,284	17.8	.4	48.5	50.2	46.9	32.6	41.6	30.5
KY	2,434	2,596	2,656	2,697	2,724	2,746	6.9	.4	49.9	50.8	48.2	26.4	44.0	23.1
TN	3,033	3,323	3,406	3,490	3,568	3,661	14.7	.4	48.7	49.1	44.7	34.5	37.7	31.0
AL	2,554	2,757	2,826	2,892	2,947	3,010	23.2	.5	48.7	49.9	45.8	34.0	39.7	37.9
MS	1,603	1,723	1,771	1,802	1,830	1,867	31.4	.4	51.8	52.2	51.1	36.2	48.2	28.6
W.S.C.	14,904	16,884	18,055	18,679	19,120	19,610	13.4	13.9	47.8	49.5	46.2	27.6	36.9	25.1
AR	1,502	1,628	1,667	1,706	1,732	1,761	13.6	.6	51.5	51.8	47.0	45.6	[2] 27.1	36.5
LA	2,623	2,919	3,064	3,129	3,157	3,175	27.5	2.3	53.0	54.5	51.3	16.9	20.5	12.4
OK	1,990	2,207	2,371	2,408	2,405	2,404	6.0	2.1	52.1	52.2	48.7	36.1	46.1	[2] 30.1
TX	8,789	10,130	10,952	11,436	11,826	12,270	11.2	21.1	44.8	47.2	44.2	26.0	40.9	25.5
Mt.	6,834	8,067	8,560	8,967	9,311	9,691	2.4	12.3	53.9	52.8	51.7	41.6	50.5	40.3
MT	519	560	579	591	588	586	.2	1.2	65.0	65.0	62.5	54.7	62.8	54.1
ID	567	646	668	686	693	701	.5	4.0	67.7	59.9	58.4	48.0	59.0	54.3
WY	267	332	355	354	352	351	.7	4.9	53.2	53.3	50.4	44.9	53.1	45.4
CO	1,838	2,123	2,268	2,353	2,414	2,489	3.6	10.6	55.8	55.0	55.1	41.7	53.0	42.2
NM	783	900	957	1,002	1,045	1,101	1.6	36.0	50.8	51.3	47.3	41.3	49.9	36.9
AZ	1,611	1,970	2,116	2,268	2,437	2,605	2.4	14.5	44.4	45.2	45.0	33.6	41.6	33.0
UT	791	935	965	1,023	1,051	1,078	.7	4.2	64.6	61.6	60.0	49.7	58.8	40.8
NV	457	602	652	691	732	780	5.9	7.3	41.2	41.6	44.9	35.9	39.2	35.1
Pac.	20,758	23,491	24,553	25,502	26,504	27,552	6.2	17.2	51.0	51.6	49.0	42.3	48.8	37.9
WA	2,601	3,040	3,143	3,228	3,323	3,417	2.3	3.0	57.3	58.4	54.6	41.6	56.0	39.0
OR	1,679	1,929	1,955	1,984	2,018	2,051	1.4	2.6	61.2	61.9	58.6	51.9	60.6	51.1
CA	15,596	17,548	18,406	19,181	20,015	20,875	7.5	21.6	48.9	49.6	47.4	41.2	46.7	36.0
AK	257	277	318	351	366	385	3.3	2.2	57.3	59.3	52.0	57.0	58.8	49.2
HI	624	687	729	758	784	824	1.8	6.3	43.5	44.3	43.0	40.9	38.4	42.2

[1] Hispanic persons may be of any race. [2] State law does not require tabulation of votes for unopposed candidates.

Source: Compiled by U.S. Bureau of the Census. Population data from U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 948 and 1019; votes cast from Elections Research Center, Washington, DC, *America Votes*, biennial (copyright) and, for 1988, from Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study, '88–'89*, forthcoming.

NO. 437. VOTER REGISTRATION—REGISTERED VOTERS, 1980 TO 1988, AND REGISTRATION DEADLINES AND RESIDENCY REQUIREMENTS, 1988

[Registration figures are based on final and official registration statistics provided by Secretaries of State and State Registrars. The accuracy of registration figures varies according to the stringency of purges conducted in each State and locality. There is, therefore, some inflation in these figures, although the trends between years are likely to be accurate]

STATE	1980		1984		1988							
							Registered voters				Votes cast	
							Total [3]					
	Registered voters (1,000)	Percent registered of voting age population	Registered voters (1,000)	Percent registered of voting age population	Registration deadline [1] (days)	Residency requirement [2] (days)	Number (1,000)	Percent of voting-age population	Democrats, percent of total registered	Republicans, percent of total registered	Number (1,000)	Percent of registered voters
U.S.	[4] 114,002	[4] 69.8	[4] 126,987	[4] 72.8	(X)	(X)	(NA)	(NA)	(NA)	(NA)	91,610	(NA)
AL	2,132	77.4	2,343	81.0	10	(6)	2,360	79.1	(NA)	(NA)	1,378	57.9
AK	259	94.0	305	87.7	30	30	294	78.3	20.5	20.7	200	68.1
AZ	1,121	57.1	1,463	64.8	50	50	1,798	69.0	42.7	45.7	1,172	65.2
AR	1,186	72.9	1,268	74.4	20	(6)	1,203	68.3	(NA)	(NA)	828	68.8
CA	11,361	64.8	13,074	68.5	29	29	14,005	67.1	50.4	38.6	9,887	70.6
CO	1,434	67.6	1,621	69.1	25	32	2,030	81.5	30.5	32.9	1,372	67.6
CT	1,706	74.1	1,806	75.0	21	(6)	1,784	71.6	39.1	27.1	1,443	80.9
DE	301	69.7	314	66.6	(7)	(6)	318	65.0	43.6	36.1	250	78.5
DC	289	58.5	275	56.3	30	(6)	300	61.3	79.3	8.8	193	64.3
FL	4,810	63.6	5,574	64.6	30	(6)	6,047	62.9	54.0	39.0	4,302	71.1
GA	2,377	61.4	2,732	64.6	30	(6)	2,941	63.1	(NA)	(NA)	1,810	61.5
HI	403	57.9	419	55.3	30	(6)	444	53.9	(NA)	(NA)	354	79.8
ID	581	90.1	582	84.5	10	30	572	81.7	(NA)	(NA)	409	71.4
IL	6,230	75.7	6,470	76.7	28	30	6,357	74.4	(NA)	(NA)	4,559	71.7
IN	2,944	75.7	3,054	76.4	29	30	2,866	70.5	(NA)	(NA)	2,169	75.7
IA	1,717	81.9	1,729	81.5	10	(6)	1,690	81.7	36.1	31.1	1,226	72.5
KS	1,291	74.7	1,291	72.1	20	(6)	1,266	69.2	28.5	41.3	993	78.4
KY	1,759	67.8	2,023	75.0	30	30	2,026	73.8	67.2	29.4	1,323	65.3
LA	2,015	69.1	2,262	72.4	24	(6)	2,228	70.2	75.2	16.4	1,628	73.1
ME	760	93.8	811	94.7	(8)	(6)	855	95.7	(NA)	(NA)	556	65.0
MD	2,065	67.0	2,253	69.1	29	(6)	2,310	66.2	64.2	27.6	1,714	74.2
MA	3,153	73.7	3,254	73.0	28	(6)	3,275	72.2	(NA)	(NA)	2,633	80.4
MI	5,726	87.7	5,889	89.4	30	30	5,953	87.7	(NA)	(NA)	3,669	61.6
MN	2,353	80.3	2,893	94.9	(8)	20	2,917	92.3	(NA)	(NA)	2,097	71.9
MS	1,482	86.1	1,670	92.8	30	30	1,596	85.5	(NA)	(NA)	953	59.7
MO	2,841	79.5	2,969	80.3	20	(6)	2,942	77.0	(NA)	(NA)	2,094	71.2
MT	496	86.7	527	89.6	30	30	506	86.3	(NA)	(NA)	366	72.3
NE	856	75.8	903	77.2	(9)	(6)	899	77.0	42.1	50.7	661	73.6
NV	297	49.4	356	52.0	30	30	445	57.0	47.0	42.4	350	78.7
NH	523	77.9	544	74.1	10	10	650	79.0	30.4	36.9	451	69.3
NJ	3,766	69.5	4,073	71.3	29	30	4,011	67.5	(NA)	(NA)	3,094	77.1
NM	653	72.6	651	65.4	28	(6)	675	61.3	58.5	35.4	521	77.3
NY	7,898	61.1	9,044	67.7	30	30	8,612	63.9	(NA)	(NA)	6,486	75.3
NC	2,775	65.0	3,271	71.1	[10] 21	30	3,432	69.9	(NA)	(NA)	2,134	62.2
ND	(11)	(11)	(11)	(11)	(11)	30	(11)	(11)	(11)	(11)	297	(X)
OH	5,887	78.1	6,358	80.9	29	30	6,323	79.3	(NA)	(NA)	4,394	69.5
OK	1,456	66.2	1,950	81.2	10	(6)	2,199	91.5	65.3	32.1	1,171	53.3
OR	1,569	81.4	1,609	80.8	21	20	1,524	74.3	48.3	38.7	1,202	78.8
PA	5,754	65.5	6,194	68.9	30	30	5,876	64.9	52.2	42.9	4,536	77.2
RI	531	74.9	542	73.5	30	30	549	71.8	(NA)	(NA)	405	73.7
SC	1,236	55.8	1,396	58.4	30	30	1,436	56.7	(NA)	(NA)	986	68.8
SD	448	91.9	443	87.9	15	(6)	440	86.5	42.8	49.2	313	71.1
TN	2,149	64.6	2,560	73.9	29	20	2,417	66.0	(NA)	(NA)	1,636	67.7
TX	6,640	65.6	7,900	69.2	30	30	8,202	66.8	(NA)	(NA)	5,427	66.2
UT	782	83.3	840	82.1	20	30	807	74.9	(NA)	(NA)	647	80.2
VT	312	84.3	322	82.2	17	(6)	348	84.5	(NA)	(NA)	243	69.8
VA	2,302	58.7	2,552	60.2	31	(6)	2,877	63.3	(NA)	(NA)	2,192	76.2
WA	2,162	71.9	2,456	76.1	30	30	2,499	73.1	(NA)	(NA)	1,865	74.6
WV	1,035	74.0	1,025	71.6	30	30	969	69.3	66.1	31.3	653	67.5
WI	(12)	(12)	(12)	(12)	(8)	10	(12)	(12)	(12)	(12)	2,192	(X)
WY	219	66.1	240	67.8	30	(6)	226	64.4	35.8	54.9	177	78.1

NA Not available. X Not applicable. [1] Number of days prior to a general election by which a prospective voter must register with State or local election officials. [2] Number of days a prospective voter must reside in a State to vote in a general election. [3] Includes voters registered with other parties and with no party (independents), not shown separately. [4] Estimates based on actual registration statistics from the States which keep registration records. Percentages are the actual percentage of the voting age population who registered in the States, for which actual registration figures are available. The estimates are derived by applying that percentage to the national voting age population figure. [5] No residency requirements. [6] No durational requirement. To varying degrees, States without durational residency requirements may call for proof of residency or some certification of resident status; enforcement of such residency certification often left to discretion of local registration officials. [7] Third Saturday in October. [8] Election day. [9] Second Friday before election day. [10] Business days. [11] North Dakota does not require registration. [12] WI does not keep statewide registration statistics.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study,* '80-'81, '84-'85, and '88-'8

No. 438. Voter Registration in 11 Southern States, by Race: 1960 to 1986

[**In thousands, except percent.** Covers population 18 years old and over]

YEAR AND RACE	Total	AL	AR	FL	GA	LA	MS	NC	SC	TN	TX	VA
0: White	24,981	1,700	1,056	4,331	1,800	1,550	1,152	2,314	916	2,200	6,020	1,942
Black	4,254	350	130	489	450	465	330	440	320	300	620	360
Percent of—												
White voting age pop	71.9	61.4	76.9	67.7	63.0	74.8	98.9	70.1	58.5	78.5	75.1	62.2
Black voting age pop	55.8	55.8	57.2	58.3	48.6	60.7	62.3	51.3	53.7	64.0	56.0	53.2
2: White	22,866	1,657	964	4,200	1,907	1,491	1,055	2,161	862	1,996	4,753	1,820
Black	4,302	437	145	500	467	468	340	436	321	310	548	330
4: [1] White	27,999	[2] 1,828	[2] 1,097	4,983	2,102	1,701	[2] 1,211	2,622	1,005	[2] 2,217	[2] 7,030	[2] 2,203
Black	5,597	[2] 516	[2] 171	591	594	561	[2] 459	619	389	[2] 362	[2] 870	[2] 464
6: [3] White	[2] 27,026	[2] 1,807	[2] 1,030	4,677	1,990	1,580	[2] 1,193	2,468	932	[2] 2,186	[2] 7,068	[2] 2,097
Black	[2] 5,450	[2] 509	[2] 157	576	576	551	[2] 450	585	371	[2] 358	[2] 875	[2] 442
Percent of—												
White voting age pop	69.9	77.5	67.2	66.9	62.3	67.8	91.6	67.4	53.4	70.0	79.0	60.3
Black voting age pop	60.8	68.9	57.9	58.2	52.8	60.6	70.8	58.4	52.5	65.3	68.0	56.2

[1] As of October, except Arkansas as of November. [2] Estimated. [3] As of August.

Source: Voter Education Project, Inc., Atlanta, GA, *Voter Registration in the South*, semiannual.

No. 439. Political Party Financial Activity, by Major Political Party: 1977–1978 to 1985–1986

[**millions of dollars.** Covers financial activity during 2 year calendar period indicated. Some political party financial activities, such as building funds and state and local election spending, are not reported to the source. Also excludes contributions earmarked to federal candidates through the party organizations, since some of those funds never passed through the committees' accounts]

YEAR AND TYPE OF COMMITTEE	DEMOCRATIC				REPUBLICAN			
	Receipts, net [1]	Disbursements, net [1]	Contributions to candidates	Monies spent on behalf of party's nominees [2]	Receipts, net [1]	Disbursements, net [1]	Contributions to candidates	Monies spent on behalf of party's nominees [2]
977-1978	26.4	26.9	1.8	.4	84.5	85.9	4.5	4.3
1979-1980, total	**37.2**	**35.0**	**1.7**	**4.9**	**169.5**	**161.8**	**4.5**	**12.4**
ational committee	15.1	14.8	(Z)	3.9	76.2	73.2	.8	5.4
enatorial committee	1.7	1.6	.5	.6	23.3	21.2	.4	5.0
ongressional committee	2.1	2.0	.6	(Z)	28.6	26.1	2.0	1.2
onventions, other national	9.2	7.8	(Z)	-	7.6	8.7	.5	-
tate and local	9.1	8.5	.4	.4	33.8	32.5	.8	.8
1981-1982, total	**39.3**	**40.1**	**1.7**	**3.3**	**215.0**	**214.0**	**5.6**	**14.3**
ational committee	16.4	16.5	.1	.1	83.5	84.3	1.7	.2
enatorial committee	5.6	5.6	.5	1.9	48.9	47.7	.6	8.7
ongressional committee	6.5	6.5	.6	.2	58.0	57.0	2.6	4.9
onventions, other national	3.1	3.9	-	-	.6	.9	(Z)	-
tate and local	7.6	7.7	.5	1.1	24.0	24.1	.8	.4
1983-1984, total	**98.5**	**97.4**	**2.6**	**9.0**	**297.9**	**300.8**	**4.9**	**20.1**
ational committee	46.6	46.6	.9	2.7	105.9	104.6	.8	6.8
enatorial committee	8.9	8.7	.4	3.9	81.7	83.6	.6	6.7
ongressional committee	10.4	10.2	.8	1.1	58.3	61.7	2.6	6.3
onventions, other national	14.0	13.7	-	-	8.9	8.9	-	-
tate and local	18.5	18.2	.5	1.3	43.1	41.9	.9	.3
1985-1986, total	**64.8**	**65.9**	**1.7**	**9.0**	**255.2**	**258.9**	**3.4**	**14.3**
ational committee	17.2	17.4	(Z)	.3	83.8	86.7	.4	(Z)
enatorial committee	13.4	13.5	.6	6.1	84.4	83.7	.6	10.0
ongressional committee	12.3	12.6	.6	1.5	39.8	40.8	1.7	4.1
onventions, other national	7.9	8.1	(Z)	-	.2	.2	-	-
tate and local	14.0	14.3	.5	1.0	47.0	47.4	.8	.3

- Represents zero. Z Less than $50,000. [1] Excludes monies transferred between affiliated committees. [2] Monies spent in the general election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, Final Report, Party and Non-Party Political Committees*, biennial.

NO. 440. INDEPENDENT EXPENDITURES FOR PRESIDENTIAL AND CONGRESSIONAL CAMPAIGNS: 1979-1980 TO 1985-1986

[**In thousands of dollars.** Covers campaign finance activity during 2 year calendar period indicated. An "independent expenditure" is money spent to support or defeat a clearly identified candidate. According to Federal election law, such an expenditure must be made without cooperation or consultation with the candidate or his/her campaign. Independent expenditures are not limited as are contributions]

TYPE OF OFFICE	ALL PARTIES			DEMOCRATS		REPUBLICANS		OTHERS	
	Total	For	Against	For	Against	For	Against	For	Agains
1979-1980, total	**16,084**	**13,893**	**2,191**	**441**	**2,057**	**13,180**	**123**	**272**	11
President	13,745	12,933	813	123	737	12,538	65	272	11
Congress	2,339	961	1,378	318	1,321	642	58	(Z)	(NA)
Senate	1,654	359	1,295	127	1,283	232	12	(NA)	(NA)
House of Representatives	685	602	83	191	38	410	45	(Z)	(NA)
1983-1984, total	**23,419**	**19,951**	**3,468**	**1,693**	**1,015**	**18,257**	**2,453**	(NA)	(NA)
President	17,468	16,637	831	806	487	15,830	344	1	(NA)
Congress	5,951	3,313	2,638	887	528	2,427	2,109	(NA)	(NA)
Senate	4,627	2,134	2,493	326	410	1,808	2,082	(NA)	(NA)
House of Representatives	1,325	1,180	145	561	118	619	27	(NA)	(NA)
1985-1986, total [1]	**10,205**	**8,832**	**1,373**	**3,450**	**888**	**5,376**	**485**	**6**	-
Senate	5,312	4,331	980	988	632	3,343	348	(NA)	(NA)
House of Representatives	4,053	3,706	347	2,388	227	1,314	120	6	-

- Represents zero. NA Not available. Z Less than $500. [1] Includes some independent expenditures made for and against Presidential candidates that were paid in 1985-86 but related to 1983-84 elections, not shown separately.

Source: U.S. Federal Election Commission, *1979-80 FEC Index of Independent Expenditures*, November 1981; *1983-1984 FEC Index of Independent Expenditures*, July 1985; and *FEC Index of Independent Expenditures, 1985-86*, March 1986.

NO. 441. PRESIDENTIAL CAMPAIGN FINANCES—PRIMARY CAMPAIGN RECEIPTS AND DISBURSEMENTS AND FEDERAL FUNDS FOR GENERAL ELECTION: 1979-1980 AND 1983-1984

[**In millions of dollars.** Covers campaign finance activity during 2 year calendar period indicated. Based on disclosure documents submitted by candidates, their principal campaign committees, and other authorized committees. Figures adjusted to eliminate refunds and rebates, refunded contributions, loan repayments, and transfers to or from affiliated committees]

RECEIPTS AND DISBURSEMENTS	PRIMARY CAMPAIGN						GENERAL ELECTION—NET FEDERAL FUNDS DISTRIBUTED			
	1979-1980 [1]			1983-1984 [2]			1979-1980		1983-1984	
	Total	Democratic	Republican	Total [3]	Democratic	Republican	Candidate	Amount	Candidate	Amount
Receipts, total [4]	**94.2**	**35.6**	**58.5**	**105.0**	**77.5**	**27.1**	**Total**	**62.7**	**Total**	**80.3**
Individual contributions	61.0	23.9	37.1	62.8	46.2	16.4	Anderson [5]	4.2	Mondale	40.2
Federal matching funds	30.8	10.3	20.5	34.9	24.6	10.1	Carter	29.4	Reagan	40.1
Disbursements	92.3	35.6	56.7	103.6	77.4	25.9	Reagan	29.2		

[1] Covers 10 candidates who received Federal matching funds (Democrats: Edmund Brown, James Carter, Edward Kennedy, and Lyndon LaRouche; Republicans: John Anderson, Howard Baker, George Bush, Phillip Crane, Robert Dole, and Ronald Reagan).

[2] Covers 11 candidates who received Federal matching funds (Democrats: Reubin Askew, Alan Cranston, John Glenn, Gary Hart, Ernest Hollings, Jesse Jackson, Lyndon LaRouche, George McGovern and Walter Mondale; Republican: Ronald Reagan; Citizens Party: Sonia Johnson). [3] Includes Citizens Party candidate not shown separately. [4] Includes other types of receipts, not shown separately. [5] John Anderson, as the candidate of a new party, was permitted to raise funds privately. Total receipts for the Anderson campaign, including Federal funds, were 17.6 million dollars and total expenditures were 15.6 million dollars.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1979-1980, Final Report: Presidential Pre-Nomination Campaigns*, October 1981; November 15, 1981 press release on public financing 1980 Presidential election; and *FEC Reports on Financial Activity, 1983-84, Final Report: Presidential Pre-Nomination Campaigns*, April 1986; June 4, 1986 press release on final 1984 Presidential statistical report.

NO. 442. POLITICAL ACTION COMMITTEES—NUMBER BY COMMITTEE TYPE: 1974 TO 1987

[As of **December 31, except 1975 as of November 24**]

YEAR	Total	Corporate	Labor	Trade/ membership/ health	Non-connected	Cooperative	Corporation without stock
1974	608	89	201	318			
1975	722	139	226	357			
1976	1,146	433	224	489			
1977	1,360	550	234	438	110	8	20
1978	1,653	785	217	453	162	12	24
1979	2,000	950	240	514	247	17	32
1980	2,551	1,206	297	576	374	42	56
1981	2,901	1,329	318	614	531	41	68
1982	3,371	1,469	380	649	723	47	103
1983	3,525	1,538	378	643	793	51	122
1984	4,009	1,682	394	698	1,053	52	130
1985	3,992	1,710	388	695	1,003	54	142
1986	4,157	1,744	384	745	1,077	56	151
1987	4,165	1,775	364	865	957	59	145

Source: U.S. Federal Election Commission, press release January 18, 1988.

No. 443. CONGRESSIONAL CAMPAIGN FINANCES—RECEIPTS AND DISBURSEMENTS: 1981 TO 1986

[Covers all campaign finance activity during 2 year calendar period indicated for primary, general, run-off, and special elections. For 1981-1982 relates to 1,957 House of Representatives candidates and to 283 Senate candidates; for 1983-1984 to 1,782 House of Representatives candidates and 254 Senate candidates; for 1985-1986 to 1,611 House of Representatives candidates and 252 Senate candidates. Data have been adjusted to eliminate transfers between all committees within a campaign. For further information on legal limits of contributions, see source's brochure "Contributions"]

ITEM	HOUSE OF REPRESENTATIVES						SENATE					
	Amount (mil. dol.)			Percent distribution			Amount (mil. dol.)			Percent distribution		
	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986
Total receipts [1]	**213.2**	**222.5**	**257.7**	**100.0**	**100.0**	**100.0**	**141.5**	**174.7**	**214.4**	**100.0**	**100.0**	**100.0**
Contributions:												
$500 and over	34.0	37.5	50.4	15.9	16.8	19.6	36.6	44.0	68.6	25.9	25.2	32.0
Party committee	6.1	5.5	3.6	2.8	2.5	1.0	1.2	1.1	1.4	.8	.6	.6
Non-party committee	61.1	75.7	87.4	28.6	34.0	33.9	22.6	29.7	45.3	15.9	17.0	21.1
Democrats	108.8	121.4	139.9	51.1	54.6	54.3	69.0	84.2	91.8	48.8	48.2	42.8
Republicans	104.1	100.5	117.7	48.8	45.2	45.7	72.1	90.3	122.5	51.0	51.7	57.1
Others	.3	.5	.1	.1	.2	(z)	.4	.2	.1	.3	.1	(z)
Incumbents	110.6	132.4	149.7	51.9	59.5	58.1	55.1	74.8	90.3	38.9	42.8	42.1
Challengers	53.7	55.5	49.2	25.2	25.0	19.1	48.0	38.9	67.2	33.9	22.3	31.3
Open seats [2]	48.9	34.6	58.8	22.9	15.5	22.8	38.4	61.0	56.9	27.1	34.9	26.5
Total disbursements	**204.0**	**203.6**	**239.3**	**100.0**	**100.0**	**100.0**	**138.4**	**170.5**	**211.6**	**100.0**	**100.0**	**100.0**
Democrats	103.1	111.0	128.7	50.5	54.5	53.8	66.9	82.0	89.0	48.3	48.1	42.0
Republicans	100.6	91.8	110.5	49.3	45.1	46.2	71.1	88.3	122.6	51.4	51.8	57.9
Others	.3	.7	.1	.2	.3	(z)	.4	.2	(z)	.3	.1	(z)
Incumbents	102.6	114.9	132.5	50.3	56.5	55.4	52.9	72.1	89.3	38.2	42.3	42.2
Challengers	53.1	54.7	48.8	26.1	26.9	20.4	47.6	38.3	66.2	34.4	22.5	31.3
Open seats [2]	48.2	33.9	58.0	23.6	16.7	24.2	37.9	60.1	56.1	27.4	35.3	26.5

Z Less than $50,000 or .05 percent. [1] Includes other types of receipts, not shown separately. [2] Elections in which an incumbent did not seek re-election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1981-1982, Final Report, U.S. Senate and House Campaigns*, October 1983; *FEC Reports on Financial Activity, 1983-84, Final Report, U.S. Senate and House Campaigns*, November 1985; and *FEC Reports on Financial Activity, 1985-86, Final Report, U.S. Senate and House Campaigns*, March 1988.

No. 444. CONTRIBUTIONS TO CONGRESSIONAL CAMPAIGNS BY POLITICAL ACTION COMMITTEES (PAC) BY TYPE OF COMMITTEE: 1979 TO 1986

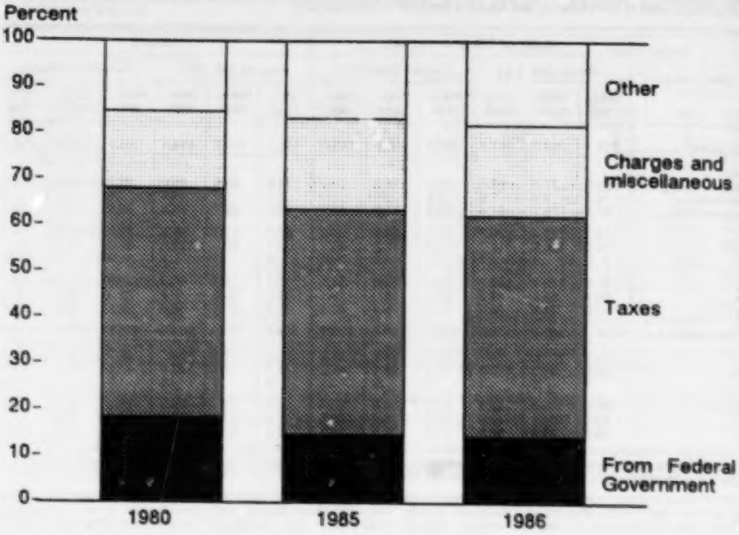
[In millions of dollars. Covers amounts given to candidates in primary, general, run-off, and special elections during the two-year calendar period indicated]

TYPE OF COMMITTEE	HOUSE OF REPRESENTATIVES						SENATE					
	Total	Democrats	Republicans	Incumbents	Challengers	Open seats [1]	Total	Democrats	Republicans	Incumbents	Challengers	Open seats [1]
1979-1980, total [2]	**37.9**	**20.5**	**17.2**	**24.9**	**7.9**	**5.1**	**17.3**	**8.4**	**9.0**	**8.6**	**6.6**	2.1
Corporate	12.2	4.8	7.5	8.1	2.6	1.5	6.9	2.1	4.8	2.7	3.3	.9
Trade association [3]	11.7	5.1	6.6	8.0	2.2	1.5	4.1	1.9	2.2	2.2	1.4	.5
Labor	9.4	8.9	.4	6.6	1.5	1.2	3.8	3.4	.4	2.7	.7	.4
Non-connected [4]	3.1	.9	2.1	1.0	1.4	.7	1.9	.5	1.4	.5	1.1	.3
1981-1982, total [2]	**61.1**	**34.2**	**26.8**	**40.8**	**10.9**	**9.4**	**22.6**	**11.2**	**11.4**	**14.3**	**5.2**	3.0
Corporate	18.9	7.0	12.0	14.4	2.0	2.6	8.6	2.4	6.2	5.5	1.7	1.4
Trade association [3]	16.8	7.2	9.7	12.4	2.1	2.3	5.0	2.2	2.8	3.7	.8	.5
Labor	15.4	14.7	.7	8.5	4.3	2.6	4.9	4.5	.4	3.0	1.3	.5
Non-connected [4]	7.4	3.9	3.5	3.4	2.5	1.6	3.3	1.6	1.7	1.5	1.3	.5
1983-1984, total [2]	**75.7**	**46.3**	**29.3**	**57.2**	**11.3**	**7.2**	**29.7**	**14.0**	**15.6**	**17.9**	**6.3**	5.4
Corporate	23.4	10.4	13.1	18.8	2.6	2.0	12.0	3.2	8.8	8.8	1.1	2.2
Trade association [3]	20.4	10.5	9.9	16.5	2.1	1.7	6.3	2.7	3.7	4.5	.9	1.0
Labor	19.8	18.8	1.0	14.3	3.5	2.0	5.0	4.7	.3	1.6	2.3	1.2
Non-connected [4]	9.1	4.7	4.4	4.9	2.9	1.3	5.4	3.0	2.4	2.4	2.0	1.0
1985-1986, total	**87.4**	**54.7**	**32.6**	**65.9**	**9.1**	**12.4**	**45.3**	**20.2**	**25.1**	**23.7**	**10.2**	**11.4**
Corporate	26.9	12.9	14.0	22.9	1.0	3.0	19.2	4.8	14.4	11.7	2.7	4.9
Trade association [3]	23.4	12.3	11.2	19.3	1.3	2.8	9.5	3.8	5.7	5.7	1.6	2.1
Labor	22.6	21.1	1.6	14.7	4.3	3.6	7.2	6.6	.6	2.2	3.2	1.9
Non-connected [4]	11.1	6.6	4.5	6.1	2.4	2.6	7.7	4.2	3.4	3.1	2.4	2.2
Cooperative	1.9	1.1	.8	1.7	(z)	.2	.6	.3	.3	.4	.1	.1
Corporation without stock	1.4	.8	.6	1.2	.1	.2	1.0	.4	.6	.6	.2	.2

Z Less than $50,000. [1] Elections in which an incumbent did not seek re-election. [2] Includes other types of political action committees not shown separately. [3] Includes membership organizations and health organizations. [4] Represents "ideological" groups as well as other issue groups not necessarily ideological in nature.

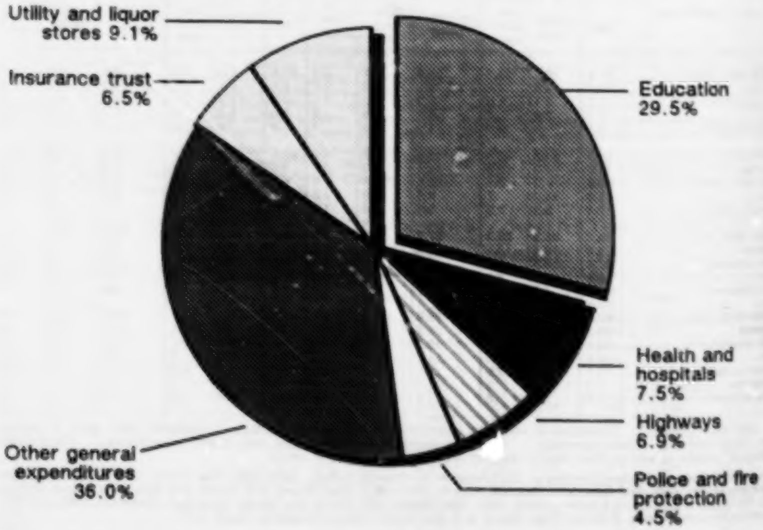
Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1979-1980, Final Report, U.S. Senate and House Campaigns*, March 1982; *FEC Reports on Financial Activity, 1981-1982, Final Report, U.S. Senate and House Campaigns*, October 1983; *FEC Reports on Financial Activity, 1983-1984, Final Report, U.S. Senate and House Campaigns*, November 1985; and *FEC Reports on Financial Activity, 1985-86, Final Report, U.S. Senate and House Campaigns*, March 1988.

Figure 9.1
State and Local Government Revenue-Percent Distribution, by Source: 1980 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 453.

Figure 9.2
State and Local Government Expenditure-Percent Distribution, by Sector: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 453.

Section 9

State and Local Government Finances and Employment

This section presents data on revenues, expenditures, debt, and government employment of State and local governments. Nationwide statistics relating to State and local governments, their numbers, finances, and employment, are compiled primarily by the Bureau of the Census through a program of censuses and surveys. Every fifth year (for years ending in "2" and "7") the Bureau conducts a Census of Governments involving collection of data for all governmental units in the United States. In addition, the Bureau conducts annual surveys which cover all the State governments and a sample of local governments.

Publications issued annually by the Bureau of the Census include a report on governmental finances which presents figures for the Federal Government, nationwide totals for State and local governments, by type, and State-local data by States. Also issued annually are a series of publications on State, city, county, and school finances, and on city, county, and other public employment. Financial data are published in the GF publication series; employment data in the GE series. There is also a series of quarterly reports covering tax revenue, and of finances of major public employee retirement systems, as well as a series (GSS) of special studies. *Recurrent Publications on Governments* describes the publication program.

Basic information for Census Bureau statistics on governments is obtained by mail canvass from State and local officials; however, financial data for each of the State governments and for many of the large local governments are compiled from their official records and reports by Census Bureau personnel. In over half of the States, all or part of local government financial data are obtained through central collection arrangements with State governments. Financial data on the Federal Government is based on the *Budget* published by the Office of Management and Budget (see page 301).

Governmental units.—The governmental structure of the United States includes, in addition to the Federal Government and the States, thousands of local governments—counties, municipalities, townships, school districts, and numerous kinds of "special districts." As shown by table 445, almost 83,200 local governments were identified by the 1987 Census of Governments. As defined by the census, governmental units include all agencies or bodies having an organized existence, governmental character, and substantial autonomy. While most of these governments can impose taxes, many of the special districts—such as independent public housing authorities, the New York Port Authority, and numerous local irrigation, power, and other types of districts—are financed from rentals, charges for services, benefit assessments, grants from other governments, toll charges, and other nontax sources. The count of governments excludes semi-autonomous agencies through which States, cities, and counties sometimes provide for certain functions—for example, "dependent" school systems, State institutions of higher education, and certain other "authorities" and special agencies which are under the administrative or fiscal control of an established governmental unit.

Finances.—Unless otherwise stated, financial data relate to fiscal years ending in the year shown. Most States end their fiscal year June 30; however Alabama and Michigan end their fiscal years Sept. 30; New York, March 31; and Texas, Aug. 31. The Federal Government ended the fiscal year June 30 until 1976 when its fiscal year, by an act of Congress, was revised to extend from Oct. 1 to Sept. 30. A three-month quarter (July 1 to Sept. 30, 1976) bridged the transition. Beginning 1963, local government figures are for fiscal years which close at various dates during the 12 months ended June 30 of the year specified (exceptions are school districts in Alabama, which close Sept. 30 of the specified year; school districts in Texas, which close Aug. 31 of year cited; and Washington, DC which ends its fiscal year Sept. 30); figures for 1962 and earlier years are for fiscal years ended during the calendar year.

Nationwide government finance statistics have been classified and presented in terms of uniform concepts and categories, rather than according to the highly diverse terminology, organization, and fund structure utilized by individual governments. Accordingly, financial statistics which appear here for the Federal Government and for individual States or local governments have been standardized and may not agree directly with figures appearing in the original sources.

Statistics on governmental finances distinguish among general government, utilities, liquor stores, and insurance trusts. *General government* comprises all activities except utilities, liquor stores, and insurance trusts. Utilities include government water supply, electric light and power, gas supply, and transit systems. Liquor stores are operated by 17 States and by local governments in six States. Insurance trusts relate to employee retirement, unemployment compensation, and other social insurance systems administered by the Federal, State, and local governments.

Data for cities relate only to municipal corporations and their dependent agencies, and do not include amounts for other local governments overlying city areas. Therefore, expenditure figures for "education" do not include spending by the separate school districts which administer public schools within most municipal areas. Variations in the assignment of governmental responsibility for public assistance, health, hospitals, public housing, and other functions to a lesser degree also have an important effect upon reported amounts of city expenditure, revenue, and debt. Therefore, any intercity comparisons based upon these figures should be made with caution, and with due recognition of variations that exist among urban areas in the relative role of the municipal corporation.

Employment and payrolls.—These data are based mainly on mail canvassing of State and local governments. Payroll includes all salaries, wages, and individual fee payments for the month specified, and employment relates to all persons on governmental payrolls during a pay period of the month covered—including paid officials, temporary help, and (unless otherwise specified) part-time as well as full-time personnel. Beginning 1986, statistics for full-time equivalent employment have been computed with a formula using hours worked by part-time employees. A payroll based formula was used prior to 1985. Full-time equivalent employment statistics were not computed for 1985. Figures shown for individual governments cover major dependent agencies such as institutions of higher education, as well as the basic central departments and agencies of the government.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 445. NUMBER OF GOVERNMENTAL UNITS, BY TYPE OF GOVERNMENT: 1942 TO 1987

[See text, section 9]

TYPE OF GOVERNMENT	1942	1952 [1]	1957 [1]	1962	1967	1972	1977	1982	1987
Total	**155,116**	**116,807**	**102,392**	**91,237**	**81,299**	**78,269**	**79,913**	**81,831**	**83,237**
U.S. Government	1	1	1	1	1	1	1	1	1
State government	48	50	50	50	50	50	50	50	50
Local governments	155,067	116,756	102,341	91,186	81,248	78,218	79,862	81,780	83,186
County	3,050	3,052	3,050	3,043	3,049	3,044	3,042	3,041	3,042
Municipal	16,220	16,807	17,215	18,000	18,048	18,517	18,862	19,076	19,200
Township and town	18,919	17,202	17,198	17,142	17,105	16,991	16,822	16,734	16,691
School district	108,579	67,355	50,454	34,678	21,782	15,781	15,174	14,851	14,721
Special district	8,299	12,340	14,424	18,323	21,264	23,885	25,962	28,078	29,532

[1] Adjusted to include units in Alaska and Hawaii which adopted statehood in 1959.

Source: U.S. Bureau of the Census, *Census of Governments: 1967*, vol. 1, No. 1, *Governmental Organization, 1982*, vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *Census of Governments, 1987*, vol. 1, No. 1, GovernmentOrganization.

No. 446. All Governments—Revenue, Expenditure, and Debt: 1970 to 1986

[For fiscal years ending in year shown; see text, section 9. Local government amounts are estimates subject to sampling variation; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970,* series Y 505-637 and Y 652-848]

ITEM AND YEAR	All governments (bil. dol.)	FEDERAL [1]		STATE AND LOCAL (bil. dol.)			ANNUAL PERCENT CHANGE [2]			PER CAPITA [3] (dollars)		
		Total (bil. dol.)	Percent of total	Total	State	Local	Federal	State	Local	Total	Federal	State and local
Revenue: [4] 1970	[5] 334	206	61.6	[5] 150	89	89	7.5	10.5	9.1	[5] 1,642	1,011	736
1980	[5] 932	565	60.7	[5] 452	277	258	10.6	12.0	11.2	[5] 4,115	2,496	1,993
1985	[5] 1,419	807	56.9	[5] 720	439	402	7.4	9.7	9.3	[5] 5,943	3,379	3,016
1986	[5] 1,516	848	55.9	[5] 783	481	435	5.1	9.5	8.0	[5] 6,286	3,515	3,249
Intergovernmental: 1970	(x)	-	(x)	[5] 22	20	30	-	11.6	11.3	(x)	-	106
1980	(x)	2	(x)	[5] 83	64	102	(x)	12.3	13.3	(x)	8	367
1985	(x)	2	(x)	[5] 106	90	138	1.6	6.9	6.2	(x)	8	445
1986	(x)	2	(x)	[5] 113	99	147	10.7	9.7	6.6	(x)	9	469
General, own sources:												
1970	272	164	60.0	109	58	51	6.5	10.8	8.4	1,340	805	536
1980	717	417	58.2	299	169	130	9.8	11.4	9.7	3,163	1,842	1,321
1985	1,050	559	53.2	492	276	216	6.0	10.3	10.7	4,400	2,339	2,061
1986	1,107	578	52.3	528	295	233	3.6	6.9	8.1	4,591	2,399	2,191
Taxes: [4] 1970	233	146	62.7	87	48	39	6.6	10.3	7.9	1,145	719	427
1980	574	351	61.1	223	137	86	9.2	11.1	8.3	2,535	1,548	986
1985	804	454	56.4	350	216	134	5.3	9.5	9.3	3,369	1,902	1,466
1986	845	472	55.8	373	228	145	3.9	5.6	7.8	3,505	1,957	1,547
Property: 1970	34	-	(x)	34	1	33	(x)	6.1	7.6	168	-	168
1980	68	-	(x)	68	3	66	(x)	10.2	7.1	302	-	302
1985	104	-	(x)	104	4	100	(x)	6.6	8.8	435	-	435
1986	112	-	(x)	112	4	107	(x)	9.3	7.6	463	-	463
Individual income: 1970	101	90	89.3	11	9	2	8.3	15.3	20.4	496	445	53
1980	286	244	85.3	42	37	5	10.4	15.0	11.9	1,263	1,077	186
1985	401	331	82.5	70	64	6	6.3	11.5	5.3	1,681	1,386	295
1986	423	349	82.4	74	67	7	5.5	5.6	7.7	1,756	1,447	309
Corporate income:												
1970	37	33	88.8	4	4	([6])	4.3	12.2	(x)	180	161	18
1980	78	65	82.9	13	13	-	7.0	13.6	-	344	285	59
1985	80	61	76.2	19	18	2	−1.0	5.8	(x)	337	257	80
1986	83	63	76.0	20	18	2	3.0	4.2	4.4	345	262	83
Sales or gross receipts: 1970	49	[7] 18	37.6	30	27	3	3.8	10.0	8.6	239	[7] 90	148
1980	112	[7] 32	28.6	80	68	12	5.8	9.6	14.7	494	[7] 141	353
1985	176	[7] 49	28.0	126	105	21	8.9	9.2	11.7	735	[7] 206	529
1986	182	[7] 47	25.8	135	112	23	−4.3	6.6	8.0	755	[7] 195	560
Current charges and miscellaneous: 1970	40	18	44.2	22	10	13	5.7	14.0	10.0	195	86	109
1980	142	67	46.7	76	33	44	14.3	12.9	13.3	629	294	335
1985	246	104	42.5	142	60	82	9.4	13.3	13.3	1,031	438	593
1986	262	107	40.7	155	67	88	2.0	11.3	8.5	1,086	442	644
Expenditures: [4] 1970	[5] 333	206	62.5	[5] 148	85	93	7.9	10.4	9.0	[5] 1,638	1,024	728
1980	[5] 959	617	64.4	[5] 434	256	261	11.5	11.7	10.9	[5] 4,232	2,724	1,916
1985	[5] 1,581	1,032	65.3	[5] 658	391	391	10.8	8.7	8.4	[5] 6,622	4,323	2,758
1986	[5] 1,696	1,096	64.6	[5] 718	424	428	6.2	8.6	9.5	[5] 7,035	4,548	2,976
Intergovernmental: 1970	(x)	23	(x)	[5] -	29	1	12.8	11.8	11.7	(x)	114	-
1980	(x)	91	(x)	[5] 2	85	2	14.6	11.3	10.8	(x)	401	8
1985	(x)	107	(x)	[5] 2	122	4	3.4	7.6	18.1	(x)	449	8
1986	(x)	116	(x)	[5] 2	132	5	7.8	8.6	18.9	(x)	480	9
Direct: [4] 1970	333	185	55.5	148	56	92	7.4	9.8	9.0	1,638	910	728
1980	959	526	54.9	432	173	259	11.0	11.9	10.9	4,232	2,323	1,909
1985	1,581	925	58.5	656	269	387	11.9	9.2	8.4	6,622	3,874	2,748
1986	1,696	981	57.8	715	292	423	6.0	8.6	9.4	7,035	4,068	2,967
Current operation: 1970	197	99	50.3	98	31	67	8.1	12.5	9.6	969	487	482
1980	517	209	40.5	308	108	200	7.8	13.3	11.6	2,282	923	1,359
1985	833	360	43.3	472	172	300	11.5	9.7	8.5	3,488	1,509	1,979
1986	898	386	43.0	512	186	325	7.3	8.2	8.4	3,724	1,603	2,122
Capital outlay: 1970	48	18	37.6	30	13	16	.6	7.2	6.8	234	88	146
1980	99	36	36.7	63	23	40	7.4	5.8	9.2	439	161	278
1985	157	77	49.1	80	31	49	16.1	5.6	4.5	667	323	335
1986	176	86	48.6	90	35	56	11.2	12.7	13.5	730	355	375
Debt outstanding: [8] 1970	514	371	72.1	144	42	102	2.6	8.5	7.1	2,531	1,824	706
1980	1,250	914	73.2	336	122	214	9.4	11.3	7.7	5,517	4,036	1,481
1985	2,396	1,827	76.3	569	212	357	14.8	11.7	10.8	10,036	7,655	2,382
1986	2,766	2,130	76.4	659	248	411	16.5	16.9	15.3	11,565	8,833	2,733

- Represents zero. X Not applicable. [1] Data adjusted to system for reporting State and local data and therefore differ from figures in section 10 tables. [2] Represents average for period of intervals shown; for 1970, change from 1960. For explanation, see Guide to Tabular Presentation. Minus sign (–) indicates decrease. [3] 1970 and 1980, based on enumerated resident population as of April 1; 1985 and 1986 based on estimated resident population as of July 1. Excludes intergovernmental amounts. [4] Includes amounts, not shown separately. [5] Aggregates exclude duplicative transactions between levels of government; see source. [6] Minor amounts included in individual income tax. [7] Includes customs. [8] End of fiscal year.

Source: U.S. Bureau of the Census, *Census of Governments: 1977* and *1982, Historical Statistics on Governmental Finances and Employment* (GC 77(6)–4 and 82(6)–4); and *Government Finances,* series GF, No. 5, annual.

No. 447. All Governments—Revenue and Expenditure, by Level of Government: 1986

[For fiscal year ending in year shown, see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 505-637 and Y 652-848]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	All governments (mil. dol.)	Federal (mil. dol.)	State (mil. dol.)	Local (mil. dol.)	PERCENT		PER CAPITA[1] (dol.)	
					Federal	State and local	Federal	State and local
Revenue	**[2] 1,515,523**	**847,516**	**481,174**	**[2] 434,802**	**100.0**	**100.0**	**3,515**	[illegible]
Intergovernment revenue	([2])	2,138	98,574	147,256	.3	14.4	9	409
Revenue from own sources	1,515,523	845,378	382,600	287,545	99.7	85.6	3,506	2,780
General revenue from own sources	1,106,832	578,473	294,902	233,457	68.3	67.5	2,399	2,191
Percent of total revenue	73.0	68.3	61.3	53.7	(x)	(x)	(x)	(x)
Taxes [3]	844,949	471,898	228,054	144,997	55.7	47.6	1,957	1,547
Property	111,711	(x)	4,355	107,356	(x)	14.3	(x)	463
Individual income	423,376	348,959	67,469	6,948	41.2	9.5	1,447	309
Corporation income	83,094	63,143	18,363	1,588	7.5	2.5	262	63
Sales and gross receipts	182,017	47,046	112,343	22,628	5.6	17.2	195	569
Customs duties	13,420	13,420	(x)	(x)	1.6	(x)	56	(x)
General sales and gross receipts	90,710	(x)	74,821	15,889	(x)	11.6	(x)	376
Selective sales and gross receipts [3]	77,886	33,626	37,522	6,739	4.0	5.7	139	184
Motor fuel	26,041	11,641	14,087	313	1.4	1.8	48	60
Alcoholic beverages	8,924	5,601	3,062	261	.7	.4	23	14
Tobacco products	9,257	4,608	4,449	200	.5	.6	19	19
Public utilities	15,074	5,047	6,003	4,024	.6	1.3	21	42
Motor vehicle and operators' licenses	8,942	(x)	8,374	568	(x)	1.1	(x)	37
Death and gift	9,492	6,958	2,534	-	.8	.3	29	11
Charges and misc. general revenue [3]	261,883	106,575	66,848	88,460	12.6	19.8	442	644
Current charges [3]	143,691	63,291	29,987	50,413	7.5	10.3	263	335
National defense and international relations	6,774	6,774	(x)	(x)	.8	(x)	28	(x)
Postal service	29,099	29,099	(x)	(x)	3.4	(x)	121	(x)
Education[3]	23,745	-	17,163	6,583	-	3.0	-	98
School lunch sales	2,794	(x)	10	2,784	(x)	.4	(x)	12
Higher education	19,060	-	16,960	2,100	-	2.4	-	79
Natural resources	15,844	14,705	807	331	1.7	.1	61	5
Hospitals	22,954	124	6,300	16,530	(Z)	2.8	1	95
Sewerage and sanitation	10,809	(x)	2	10,807	(x)	1.4	(x)	45
Parks and recreation	2,264	61	519	1,684	(Z)	.3	(Z)	9
Housing and community development	5,597	3,395	228	1,974	.4	.3	14	9
Air transportation	3,522	68	306	3,148	(Z)	.4	(Z)	14
Water transport and terminals	1,757	527	324	906	.1	.2	2	5
Special assessments	2,163	(x)	142	2,021	(x)	.3	(x)	9
Sale of property	3,783	2,697	137	949	.3	.1	11	5
Interest earnings	49,833	13,931	17,745	18,156	1.6	4.6	58	149
Utility revenue	43,850	(x)	2,907	40,943	(x)	5.6	(x)	182
Liquor stores	3,313	(x)	2,807	506	(x)	.4	(x)	14
Insurance trust revenue	361,528	266,905	81,984	12,639	31.5	12.1	1,107	392
Expenditure	**[2] 1,696,208**	**1,096,401**	**424,216**	**[2] 427,980**	**100.0**	**100.0**	**4,546**	[illegible]
Intergovernment expenditure	([2])	115,632	131,966	4,791	10.5	.3	480	9
General revenue sharing	([2])	5,113	(x)	(x)	.5	(x)	21	(x)
Direct expenditure	1,696,208	980,769	292,249	423,190	89.5	99.7	4,068	2,967
General expenditure	1,284,261	680,577	244,553	359,131	62.1	84.1	2,823	2,504
Percent of total expenditure	75.7	62.1	57.6	83.9	(x)	(x)	(x)	(x)
Education [3]	224,400	13,581	58,260	152,559	1.2	29.4	56	874
Elementary and secondary education	145,111	-	1,159	143,952	-	20.2	-	602
Higher education	56,536	-	47,928	8,607	-	7.9	-	234
Public welfare	99,665	25,790	56,256	17,618	2.4	10.3	107	306
Health and hospitals	68,706	15,093	25,471	28,142	1.4	7.5	63	222
Highways	49,936	568	30,191	19,177	.1	6.9	2	205
Police protection	26,228	3,543	3,328	19,357	.3	3.2	15	94
Fire protection	9,567	(x)	(x)	9,567	(x)	1.3	(x)	40
Corrections	15,755	798	9,855	5,102	.1	2.1	3	62
Natural resources [4]	79,313	60,075	8,631	10,607	5.5	2.7	249	80
Sewerage and sanitation	19,142	(x)	341	18,801	(x)	2.7	(x)	79
Housing and community development	19,210	7,925	1,189	10,096	.7	1.6	33	47
Governmental administration	40,422	8,619	12,222	19,581	.8	4.4	36	132
Interest on general debt	181,231	144,167	16,876	20,188	13.1	5.2	598	154
Other	450,867	400,418	21,932	28,316	36.5	7.0	1,661	208
Utility expenditure	62,430	(x)	5,530	56,900	(x)	8.7	(x)	259
Liquor stores expenditure	2,867	(x)	2,418	449	(x)	.4	(x)	12
Insurance trust expenditure	346,651	300,192	39,749	6,710	27.4	6.5	1,245	183
By character and object:								
Current operation	897,954	386,388	186,188	325,378	35.2	71.3	1,603	2,122
Capital outlay	176,104	85,647	34,550	55,907	7.8	12.6	355	375
Construction	79,837	11,866	26,557	41,414	1.1	9.5	49	282
Equip., land and existing structures	96,266	73,781	7,993	14,493	6.7	3.1	306	93
Assistance and subsidies	86,963	64,375	14,162	8,426	5.9	3.1	267	94
Interest on debt (general and utility)	188,537	144,167	17,601	26,769	13.1	6.2	598	184
Insurance benefits and repayments	346,651	300,192	39,749	6,710	27.4	6.5	1,245	190
Expenditure for salaries and wages	379,678	123,054	76,098	180,526	11.2	35.8	510	1,064

- Represents or rounds to zero. X Not applicable. Z Less than .05 percent or $.50. [1] Based on estimated resident population as of July 1. [2] Aggregates exclude duplicative transactions between levels of government; see source. [3] Includes amounts not shown separately. [4] Includes parks and recreation.

Source: U.S. Bureau of the Census, *Government Finances, 1985-86*, series GF 86, No. 5.

No. 448. ALL GOVERNMENTS—EXPENDITURE FOR CAPITAL OUTLAY, BY LEVEL OF GOVERNMENT AND BY FUNCTION: 1970 TO 1986

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Except for 1982, local government data are estimates subject to sampling variation; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 523-524, Y 673-674, Y 740-741, and Y 787-788]

LEVEL AND FUNCTION	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total	**47,519**	**66,622**	**93,156**	**99,386**	**116,499**	**129,637**	**148,478**	**143,107**	**156,915**	**176,104**
Federal Government:										
Total	**17,869**	**21,798**	**39,960**	**36,492**	**48,903**	**62,835**	**80,744**	**72,456**	**77,014**	**85,647**
Annual percent change [1]	−6.0	4.1	10.1	−8.7	34.0	28.5	28.5	−10.3	6.3	11.2
As percent of direct expenditure	9.7	7.5	8.8	6.9	7.8	8.8	10.3	8.7	8.3	8.7
By function:										
National defense [2]	14,027	14,507	29,502	28,161	39,441	52,958	69,697	60,382	64,154	71,995
Education	9	2	63	97	1	19	26	58	39	5
Highways	9	70	126	132	115	84	153	187	121	204
Health and hospitals	166	311	579	673	606	827	1,146	1,016	916	1,160
Natural resources	1,691	3,416	5,986	4,046	5,097	4,963	4,500	4,435	4,092	3,651
Housing [3]	853	1,059	345	317	376	613	1,080	1,471	1,935	2,515
Air transportation	234	383	238	151	285	115	283	249	785	391
Water transportation [4]	285	251	557	1,003	858	780	634	482	583	245
All other	595	1,819	2,564	1,912	2,124	2,476	3,225	4,176	4,389	5,481
State and local governments:										
Total	**29,650**	**44,824**	**53,196**	**62,894**	**67,596**	**66,802**	**67,734**	**70,651**	**79,901**	**90,457**
Annual percent change [1]	5.0	8.6	18.8	18.2	7.5	−1.2	1.4	4.3	13.1	13.2
As percent of direct expenditure	20.0	16.7	14.0	14.5	13.9	12.8	12.0	11.8	12.2	12.6
By function:										
Education [5]	7,621	9,861	9,505	10,737	11,327	10,855	10,880	11,596	13,477	15,490
Higher education	2,705	2,834	2,781	2,972	3,474	3,696	3,403	3,855	4,629	5,217
Elementary and secondary	4,658	6,532	6,370	7,362	7,441	6,864	7,200	7,258	8,358	10,009
Highways	10,762	13,646	15,567	19,133	19,334	18,178	18,627	20,260	23,900	26,807
Health and hospitals	790	1,781	1,984	2,443	2,559	2,503	2,460	2,380	2,712	2,817
Natural resources	789	1,113	720	1,052	1,017	1,072	1,311	1,414	1,736	1,803
Housing [3]	1,319	1,821	1,685	2,248	2,689	3,259	2,921	3,104	3,217	3,516
Air transportation	691	852	966	1,391	1,438	1,374	1,408	1,814	1,875	2,183
Water transportation [4]	258	419	559	623	878	698	716	585	717	911
Sewerage	1,385	3,569	5,619	6,272	6,911	5,922	5,806	5,664	5,926	6,461
Parks and recreation [6]	684	1,261	1,791	2,023	2,072	2,029	2,100	1,962	2,196	2,554
Utilities [6]	2,437	4,846	8,357	9,933	11,562	12,484	12,870	12,599	13,435	15,340
Water	1,201	2,111	2,701	3,335	3,784	3,689	3,821	3,438	4,160	5,134
Electric	820	1,485	3,943	4,572	4,980	5,603	5,292	5,153	5,247	6,127
Transit	366	1,203	1,618	1,921	2,617	3,072	3,615	3,873	3,830	3,830
Gas	50	48	96	105	181	120	143	135	198	250
Other	2,915	5,656	6,443	7,039	7,809	8,427	8,634	9,265	10,711	12,573

[1] Change from immediate prior year. [2] Includes international relations and U.S. service schools. [3] Includes community development. [4] Includes terminals. [5] Includes other education. [6] Beginning 1979, includes outlays by State governments.

Source: U.S. Bureau of the Census, *Census of Governments: 1977* and *1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment*; and *Government Finances*, series GF No. 5, annual.

No. 449. STATE AND LOCAL GOVERNMENT RECEIPTS AND EXPENDITURES IN THE NATIONAL INCOME AND PRODUCT ACCOUNTS: 1970 TO 1987

[In billions of dollars. For explanation of national income, see text, p. 417]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Receipts	**135.8**	**239.6**	**390.0**	**425.6**	**449.4**	**487.7**	**540.5**	**581.8**	**623.0**	**655.7**
General, own source	102.1	168.2	271.6	305.2	329.7	363.0	406.7	438.9	470.2	504.9
Personal tax and nontax receipts [1]	23.6	44.7	82.6	94.5	104.9	116.1	129.8	140.2	150.0	164.7
Income taxes	10.9	22.5	42.6	47.9	51.9	58.3	67.6	72.2	78.8	86.1
Nontaxes	8.3	16.3	31.5	37.5	43.2	47.4	51.3	56.2	60.4	64.8
Corporate profits tax accruals	3.7	7.3	14.5	15.4	14.0	15.9	18.7	20.2	22.7	27.9
Indirect business tax and nontax accruals [1]	74.8	116.2	174.5	195.3	210.8	231.0	258.2	278.5	297.6	312.3
Sales taxes	31.6	51.7	82.9	90.7	96.2	106.6	120.8	131.0	139.9	148.7
Property taxes	36.7	53.4	68.8	77.1	85.3	91.9	99.7	107.1	114.6	121.9
Contributions for social insurance	9.2	16.8	29.7	32.5	35.8	38.5	40.2	43.2	46.0	48.1
Federal grants-in-aid	24.4	54.6	88.7	87.9	83.9	86.2	93.6	99.7	106.8	102.7
Expenditures [2]	**134.0**	**235.2**	**363.2**	**391.4**	**414.3**	**440.2**	**475.9**	**516.7**	**561.9**	**602.8**
Purchases of goods and services [1]	119.4	205.9	322.2	345.9	369.0	391.5	425.3	465.6	505.0	542.8
Compensation of employees	71.1	121.1	192.2	209.3	226.9	241.7	256.5	278.6	299.9	321.7
Transfer payments to persons	20.1	38.9	65.7	73.6	79.9	86.5	93.7	101.1	110.1	118.7
Net interest paid [3]	−1.8	−4.2	−17.0	−20.1	−24.4	−26.2	−28.4	−32.4	−34.8	−37.7
Less: Dividends received	.2	.9	1.9	2.3	2.9	2.8	3.5	4.5	5.5	6.9
Subsidies [4]	−3.6	−4.5	−5.8	−5.6	−7.3	−8.8	−11.3	−13.1	−13.1	−14.0
Surplus	**1.8**	**4.5**	**26.8**	**34.1**	**35.1**	**47.5**	**64.6**	**65.1**	**61.2**	**52.9**
Social insurance funds	6.9	13.1	27.1	30.0	36.9	43.1	44.8	51.3	56.2	62.1
Other	−5.1	−8.6	−.3	4.1	−1.7	4.4	19.8	13.8	5.0	−9.2

[1] Includes other items not shown separately. [2] Includes wage accruals less disbursements of −$40 million in 1980, not shown separately. [3] Interest paid less interest received. [4] Less current surplus of government enterprises.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July issues.

No. 450. Federal Grants-in-Aid—Summary: 1965 to 1989

[For fiscal year ending in year shown; see text, section 9. Minus sign (–) indicates decrease]

YEAR	CURRENT DOLLARS							CONSTANT (1982) DOLLARS	
	Total grants (bil. dol.)	Average annual percent change [1]	Grants to individuals: Total (bil. dol.)	Grants to individuals: Percent of total grants	Grants as percent of—: State-local govt. outlays [2]	Grants as percent of—: Federal outlays	Grants as percent of—: Gross national product	Total grants (bil. dol.)	Average annual percent change [1]
1965	10.9	7.9	3.7	33.9	15.1	9.2	1.6	35.4	7.5
1970	24.0	17.2	8.6	35.8	19.0	12.3	2.4	61.2	11.6
1975	49.8	15.7	16.4	33.0	22.6	15.0	3.3	87.1	7.3
1978	77.9	16.1	24.2	31.0	26.5	17.0	3.6	109.7	8.0
1979	82.9	6.4	26.9	32.4	25.8	16.5	3.4	106.7	–2.7
1980	91.5	10.4	31.9	34.9	25.8	15.5	3.4	105.9	–.7
1981	94.8	3.6	36.9	39.0	24.7	14.0	3.2	100.7	–4.9
1982	88.2	–7.0	37.9	42.9	21.6	11.8	2.8	88.2	–12.4
1983	92.5	4.9	41.6	45.0	21.3	11.4	2.8	88.8	.7
1984	97.8	5.5	44.3	45.4	20.9	11.5	2.6	90.2	1.6
1985	105.9	8.5	48.1	45.4	20.9	11.2	2.7	93.9	4.1
1986	112.4	6.1	52.8	47.0	20.5	11.3	2.7	96.7	3.0
1987	108.4	–3.6	56.4	52.0	18.2	10.8	2.5	90.6	–6.3
1988, est	116.7	7.7	61.0	52.3	18.1	11.0	2.5	93.8	3.5
1989, est	119.0	2.0	63.8	53.6	17.1	10.9	2.4	92.2	–1.7

[1] Average annual percent change from prior year shown. For explanation, see Guide to Tabular Presentation. 1965, change from 1960. [2] Outlays as defined in the national income and product accounts.

Source: Advisory Commission on Intergovernmental Relations, Washington, DC, *Significant Features of Fiscal Federalism, 198[illegible] Edition*, vol. II, based on *Budget of the United States Government*, FY 89, Special Analysis H.

No. 451. Federal Aid to State and Local Governments: 1970 to 1988

[In millions of dollars. For fiscal year ending in year shown; see text, section 9. Includes trust funds. Minus sign (–) indicates previously disbursed funds returned to the Federal Government. See *Historical Statistics, Colonial Times to 1970*, series Y 638-651, for related data]

TYPE OF AID, FUNCTION, AND MAJOR PROGRAM	1970	1975	1980	1983	1984	1985	1986	1987	1988, est.
Grant-in-aid shared revenue	[1] 24,065	49,791	91,451	92,495	97,577	105,897	112,357	108,392	[illegible]
National defense	37	74	93	86	95	157	177	193	210
Natural resources and environment	411	2,437	5,363	4,018	3,779	4,069	4,255	4,073	[illegible]
Environmental Protection Agency	194	2,025	4,603	3,266	2,922	3,197	3,419	3,251	[illegible]
Energy	25	43	499	462	534	529	538	455	414
Agriculture	604	404	569	1,822	1,832	2,420	1,932	2,092	[illegible]
Transportation [2]	4,599	5,864	13,087	13,248	15,013	17,055	18,366	16,919	[illegible]
Airports	83	292	590	453	694	789	853	917	[illegible]
Highways	4,395	4,702	9,209	8,896	10,522	12,841	14,109	12,849	13,270
Railroads	-	(Z)	54	182	34	35	22	22	[illegible]
Urban mass transit	105	689	3,129	3,656	3,716	3,304	3,299	3,253	[illegible]
Commerce and housing credit	4	2	3	62	2	2	2	1	2
Community and regional development [2]	1,780	2,842	6,486	4,962	5,157	5,221	4,861	4,236	[illegible]
Appalachian development	184	306	335	262	209	198	154	141	[illegible]
Community development block grants	(X)	38	3,902	3,554	3,819	3,817	3,326	2,967	[illegible]
Urban renewal	1,054	1,374	214	38	24	28	13	-	-
Education, employment, training, social services [2]	6,417	12,133	21,862	16,125	16,669	17,817	18,953	18,657	[illegible]
Compensatory education for the disadvantaged [3]	1,470	2,184	3,370	2,629	3,067	4,194	3,392	3,199	[illegible]
School improvement programs [3]	66	332	523	509	570	479	576	785	[illegible]
Bilingual immigrant and refugee education [3]	-	93	166	106	112	111	96	103	[illegible]
Federally affected areas impact aid	622	577	622	546	567	629	678	695	[illegible]
Vocational and adult education	295	653	854	705	719	633	1,006	1,225	[illegible]
Library and learning resources	105	210	158	124	80	79	98	122	[illegible]
Work incentives	61	304	383	281	259	274	227	137	[illegible]
Social services—block grants to States	574	2,047	2,763	2,508	2,789	2,743	2,671	2,688	[illegible]
Human development	390	803	1,548	1,685	1,717	1,807	1,831	1,771	[illegible]
Employment and training assistance	954	2,504	6,191	3,187	2,555	2,775	3,019	2,929	[illegible]
Temporary employment assistance	(X)	372	1,707	46	–15	–18	-	-	-
Health [2]	3,849	6,810	15,758	20,224	21,837	24,451	26,823	29,466	[illegible]
Alcohol, drug abuse, and mental health [4]	146	590	679	506	501	501	494	622	714
Medicaid [4]	2,727	6,840	13,957	18,985	20,061	22,655	24,996	27,435	[illegible]
Income security [2]	5,795	9,352	18,495	24,756	25,678	27,153	29,070	29,972	[illegible]
Assistance payment program [4]	4,142	5,121	7,273	8,341	8,799	9,169	9,877	10,540	[illegible]
Food stamps—administration	559	136	413	629	732	886	968	1,108	[illegible]
Child nutrition and special milk programs [4]	379	1,565	3,388	3,115	3,361	3,480	3,678	3,882	[illegible]
Housing assistance [4]	436	1,326	3,435	5,685	5,750	6,407	7,418	7,375	[illegible]
Veterans benefits and services	18	33	90	66	66	91	90	95	[illegible]
Administration of justice	42	725	529	101	69	95	133	234	[illegible]
General government [5]	479	7,072	8,616	6,541	6,848	6,838	7,159	2,000	[illegible]
General revenue sharing	(X)	6,130	6,829	4,614	4,567	4,584	5,114	76	-

- Represents zero. X Not applicable. Z Less than $500,000. [1] Includes $5 million for international affairs [illegible] quently provided to a private institution. [2] Includes items not shown separately. [3] The 1983 Budget proposed [illegible] of the Dept. of Education (DED). Budget data for elementary and secondary education previously performed by DED are [illegible] in the Foundation for Education Assistance under compensatory education for the disadvantaged, school improvement ([illegible] titled "Special programs and populations") programs and bilingual immigrant and refugee education. [4] Includes grants [illegible] payments to individuals. [5] Includes general purpose fiscal assistance.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, 198[illegible]

No. 452. Federal Aid to State and Local Governments—Selected Programs, by State: 1987

[In millions of dollars, except per capita. For fiscal year ending Sept. 30]

DIVISION AND STATE	FEDERAL AID [1]		OE [3] compensatory education [4]	EPA [5] waste treatment facilities construction	HHS [6]		HUD [8]		ETA [10] employment/ training	DEPARTMENT OF—	
	Total	Per capita [2] (dol.)			Family support administration [7]	Medicaid	Lower income housing assistance [9]	Community development		Transportation, highway trust fund	Treasury, general revenue sharing
Total [11]	107,962	437	3,199	2,913	13,320	27,317	7,352	2,967	3,009	12,609	77
N.E.	6,414	499	160	211	862	1,872	599	158	135	602	5
ME	689	580	15	25	118	214	53	13	13	59	-
NH	389	368	8	28	22	85	26	9	8	63	-
VT	314	573	8	10	43	73	16	3	7	54	-
MA	2,983	510	79	86	390	954	315	94	64	120	3
RI	550	558	13	15	68	168	60	14	12	66	-
CT	1,489	464	38	47	221	378	129	24	31	240	1
M.A.	20,530	548	650	618	2,836	6,949	1,690	538	451	1,492	13
NY	11,932	669	360	412	1,590	4,738	941	259	211	648	7
NJ	3,327	434	114	102	562	801	365	99	88	248	2
PA	5,271	442	176	105	684	1,410	385	180	152	597	4
E.N.C.	17,186	410	524	646	2,700	4,717	1,186	517	620	1,483	12
OH	4,382	406	124	217	622	1,362	352	135	158	265	3
IN	1,982	358	53	98	155	595	117	51	81	232	1
IL	4,488	386	160	137	620	924	428	170	161	421	3
MI	4,190	456	134	124	845	1,151	189	107	162	408	3
WI	2,155	448	52	70	458	686	99	54	59	147	2
W.N.C.	7,366	418	187	241	895	1,745	439	213	180	1,095	5
MN	2,037	480	42	66	289	611	123	53	44	268	1
IA	1,090	385	30	36	149	265	39	29	30	162	1
MO	1,926	377	55	87	249	408	126	70	57	251	1
ND	419	623	8	7	30	89	31	7	9	72	-
SD	440	621	10	8	29	80	44	11	10	71	-
NE	607	381	18	15	65	137	36	16	12	91	1
KS	848	342	24	23	84	156	41	27	19	180	1
S.A.	15,870	381	554	411	1,582	3,483	1,045	411	432	2,177	11
DE	301	468	10	18	24	49	27	6	7	47	-
MD	2,002	441	59	66	289	399	160	32	48	365	1
DC	1,515	2,435	15	16	64	187	69	22	17	54	-
VA	1,905	323	66	58	164	377	143	55	51	387	2
WV	1,028	542	32	56	105	203	60	29	28	187	1
NC	2,171	339	81	36	267	597	146	56	77	211	2
SC	1,280	374	53	37	146	334	67	28	41	145	1
GA	2,512	404	92	37	220	621	169	63	57	352	2
FL	3,155	262	145	86	304	716	202	119	105	428	3
E.S.C.	6,552	429	268	143	459	1,707	443	166	228	749	5
KY	1,702	457	61	41	144	464	111	36	57	197	2
TN	2,018	416	73	44	111	622	141	45	65	233	1
AL	1,559	382	70	39	85	310	128	46	68	188	1
MS	1,274	485	64	20	120	311	63	39	37	132	1
W.S.C.	9,097	338	395	216	586	2,344	605	310	260	1,083	9
AR	1,009	422	41	24	60	317	59	27	32	112	1
LA	1,919	430	85	25	151	576	121	57	57	237	1
OK	1,317	403	35	28	102	343	103	33	32	155	1
TX	4,853	289	234	139	273	1,108	322	193	140	579	6
Mt.	5,678	431	137	92	386	842	360	123	154	1,063	4
MT	540	667	11	9	40	101	31	7	13	102	-
ID	392	392	10	7	32	67	13	10	13	70	-
WY	449	916	4	7	18	24	10	3	7	82	-
CO	1,152	350	32	19	106	204	70	29	28	203	-
NM	779	519	27	7	58	144	55	14	19	95	1
AZ	1,188	351	34	13	46	97	138	36	49	267	1
UT	784	467	12	13	67	159	18	18	14	156	1
NV	394	391	6	16	18	46	26	6	11	79	-
Pac.	15,311	419	417	296	2,915	3,578	799	438	449	1,448	11
WA	1,978	436	44	41	283	450	83	44	62	325	1
OR	1,243	456	29	19	129	201	58	26	40	151	1
CA	11,006	398	328	195	2,416	2,773	589	342	324	794	8
AK	624	1,188	6	22	41	57	43	6	12	140	1
HI	460	424	11	18	46	96	26	20	12	39	-
Outlying areas	2,626	736	111	32	99	81	186	91	99	70	-

- Represents zero. [1] Includes other amounts not shown separately. [2] Based on Bureau of the Census estimated resident population as of July 1. [3] Office of Education. [4] For the disadvantaged. [5] Environmental Protection Agency. [6] Department of Health and Human Services. [7] Includes work incentives, family support payments (Aid to Families with Dependent Children), community service block grant, low income home energy assistance, and refugee assistance. [8] Department of Housing and Urban Development. [9] Includes public housing, housing payments (section 8) to public agencies, and college housing, and operating assistance for low rent housing. [10] Employment and Training Administration, Job Training Partnership Act. [11] Includes $1,331 million undistributed by State (programs shown here which are affected are compensatory education ($-204 million), waste treatment facilities construction ($6 million), community development ($4 million), employment/training ($1 million), and highway trust fund ($1,348 million)).

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

No. 453. State and Local Governments—Summary of Finances: 1980 to 1986

[For fiscal year ending in year shown, see text, section 9. Local government amounts included here are estimates subject to sampling variations; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 652-709]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	TOTAL (mil. dol.)			PER CAPITA (dol.)[1]			PERCENT DISTRIBUTION		
	1980	1985	1986	1980	1985	1986	1980	1985	1986
Revenue[2]	**451,537**	**720,082**	**783,244**	**1,993**	**3,016**	**3,249**	**100.0**	**100.0**	**100.0**
From Federal Government	**83,029**	**106,158**	**113,099**	**367**	**445**	**469**	**18.4**	**14.7**	**14.4**
Public welfare	24,921	39,081	42,194	110	164	175	5.5	5.4	5.4
Highways	8,980	12,993	14,142	40	54	59	2.0	1.8	1.8
Education	14,435	16,758	18,040	64	70	75	3.2	2.3	2.3
Employment security administration	2,066	2,605	2,801	9	11	12	.5	.4	.4
Revenue sharing	6,844	4,556	4,424	30	19	18	1.5	.6	.6
Other and unallocable	25,793	30,164	31,498	114	126	131	5.7	4.2	4.0
From State and local sources	**368,508**	**613,924**	**670,145**	**1,627**	**2,571**	**2,780**	**81.6**	**85.3**	**85.6**
General, net intergovernmental	299,293	491,953	528,359	1,321	2,061	2,191	66.3	68.3	67.5
Taxes	223,463	350,367	373,051	986	1,468	1,547	49.5	48.7	47.6
Property	68,499	103,757	111,711	302	435	463	15.2	14.4	14.3
Sales and gross receipts	79,927	126,376	134,971	353	529	560	17.7	17.6	17.2
Individual income	42,080	70,361	74,417	186	295	309	9.3	9.8	9.5
Corporation income	13,321	19,152	19,951	59	80	83	3.0	2.7	2.5
Other	19,636	30,721	32,001	87	129	133	4.3	4.3	4.1
Charges and miscellaneous	75,830	141,586	155,308	335	593	644	16.8	19.7	19.8
Utility and liquor stores	25,560	44,772	47,163	113	188	196	5.7	6.2	6.0
Water supply system	6,766	11,980	13,260	30	50	55	1.5	1.7	1.7
Electric power system	11,387	21,767	22,846	50	91	95	2.5	3.0	2.9
Transit system	2,397	4,216	4,453	11	18	18	.5	.6	.6
Gas supply system	1,809	3,573	3,291	8	15	14	.4	.5	.4
Liquor stores	3,201	3,235	3,313	14	14	14	.7	.4	.4
Insurance trust revenue[3]	43,656	77,170	94,623	193	323	392	9.7	10.7	12.1
Employee retirement	25,441	53,212	69,365	112	223	288	5.6	7.4	8.9
Unemployment compensation	13,529	17,640	18,267	60	74	76	3.0	2.4	2.3
Direct expenditure	**432,328**	**656,022**	**715,439**	**1,908**	**2,748**	**2,967**	**100.0**	**100.0**	**100.0**
By function:									
Direct general expenditure[3]	367,340	552,033	603,684	1,621	2,312	2,504	85.0	84.1	84.4
Education[3]	133,211	192,686	210,819	588	807	874	30.8	29.4	29.5
Higher education	33,919	52,316	56,535	150	219	234	7.8	8.0	7.9
Local schools	92,930	131,987	145,111	410	553	602	21.5	20.1	20.3
Highways	33,311	44,989	49,368	147	188	205	7.7	6.8	6.9
Public welfare	45,552	69,523	73,875	201	291	306	10.5	10.6	10.3
Health	8,387	13,711	15,550	37	57	64	1.9	2.1	2.2
Hospitals	23,787	35,987	38,063	105	151	158	5.5	5.5	5.3
Police protection	13,494	20,956	22,686	60	88	94	3.1	3.2	3.2
Fire protection	5,718	8,817	9,587	25	37	40	1.3	1.4	1.3
Natural resources	5,509	8,357	9,074	24	35	38	1.3	1.3	1.3
Sanitation and sewerage	13,214	17,396	19,142	58	73	79	3.1	2.7	2.7
Housing and urban renewal	6,062	10,378	11,285	27	43	47	1.4	1.6	1.6
Parks and recreation	6,520	9,100	10,164	29	38	42	1.5	1.4	1.4
Financial administration	6,719	10,471	11,897	30	44	49	1.6	1.6	1.7
General control	8,697	14,314	15,800	38	60	66	2.0	2.2	2.2
Interest on general debt[4]	14,747	32,427	37,064	65	136	154	3.4	4.9	5.2
Utility and liquor stores[4]	36,191	59,798	65,297	160	250	271	8.4	9.1	9.1
Water supply system	9,228	14,298	16,196	41	60	67	2.1	2.2	2.3
Electric power system	15,016	25,341	28,182	66	106	117	3.5	3.9	3.9
Transit system	7,641	13,868	14,761	34	58	61	1.8	2.1	2.1
Gas supply system	1,715	3,468	3,291	8	15	14	.4	.5	.5
Liquor stores	2,591	2,823	2,867	11	12	12	.6	.4	.4
Insurance trust expenditure[3]	28,797	44,191	46,459	127	185	193	6.7	6.7	6.5
Employee retirement	14,008	24,414	26,521	62	102	110	3.2	3.7	3.7
Unemployment compensation	12,070	14,995	14,887	53	63	62	2.8	2.3	2.1
By character and object:									
Current operation	307,811	472,406	511,566	1,359	1,979	2,122	71.2	72.0	71.5
Capital outlay	62,894	79,901	90,457	278	335	375	14.5	12.2	12.6
Construction	51,492	60,656	67,971	227	254	282	11.9	9.2	9.5
Equipment, land and existing structures	11,402	19,245	22,486	50	81	93	2.6	2.9	3.1
Assistance and subsidies	15,222	20,707	22,588	67	87	94	3.5	3.2	3.2
Interest on debt (general and utility)	17,604	38,617	44,370	78	163	184	4.1	5.9	6.2
Insurance benefits and repayments	28,797	44,191	46,459	127	185	193	6.7	6.7	6.5
Expenditure for salaries and wages	*163,896*	*236,621*	*256,622*	*723*	*992*	*1,064*	*37.9*	*36.1*	*35.9*
Debt outstanding, end of year	**335,603**	**568,633**	**658,875**	**1,481**	**2,382**	**2,733**	**100.0**	**100.0**	**100.0**
Long-term	322,456	549,050	640,550	1,423	2,300	2,657	96.1	96.6	97.2
Short-term	13,147	19,583	18,325	58	82	76	3.9	3.4	2.8
Long-term debt:									
Issued	42,364	101,184	162,045	187	424	672	12.6	17.8	24.6
Retired	17,404	43,521	74,380	77	182	308	5.2	7.7	11.3

[1] Based on estimated resident population as of July 1; except 1980 based on enumerated resident population as of April 1, 1980. [2] Aggregates exclude duplicative transactions between State and local governments; see source. [3] Includes amounts not shown separately. [4] Interest on utility debt included in "utility expenditure." For total interest on debt, see "Interest on debt (general and utility)," below.

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC 82(6)-4) and *Government Finances*, series GF, No. 5, annual.

No. 454. New Issues of Long-Term State and Local Government Securities: 1970 to 1987

[**In billions of dollars.** Beginning 1982, includes outlying areas]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
All issues, new capital and refunding	18.2	30.6	48.5	47.7	79.0	85.1	108.0	222.2	151.2	105.7
General obligations	11.9	16.0	14.1	12.4	21.1	21.5	26.7	54.1	42.7	30.8
Revenue	6.1	14.5	34.3	35.3	58.0	63.6	81.3	168.1	108.5	74.9
Type of issuer:										
State	4.2	7.8	5.3	5.3	10.3	9.2	9.1	13.1	14.7	10.0
Special district and statutory authority	5.6	12.4	27.0	27.5	43.3	48.6	64.5	138.6	85.1	61.3
Municipalities, counties, townships[1]	8.4	10.7	16.1	14.9	25.4	27.3	34.3	70.5	51.4	34.4
Issues for new capital, total	18.1	29.5	46.7	46.5	74.8	71.1	95.2	160.0	80.8	55.5
Use of proceeds:										
Education	5.0	4.7	4.8	4.8	6.5	8.2	7.9	16.6	11.4	9.1
Transportation	3.2	2.2	2.8	3.4	6.3	4.4	7.6	12.1	7.8	3.8
Roads, bridges	1.5	1.3	1.1	.9	1.7	1.3	2.0	4.7	4.2	1.3
Utilities and conservation	3.5	5.5	8.0	10.2	14.3	13.5	18.0	27.0	13.1	9.5
Electric and gas	.9	1.8	3.4	6.3	7.1	6.3	6.8	10.9	5.1	1.9
Social welfare	1.2	3.9	19.4	12.1	25.6	25.4	29.4	63.3	12.5	10.6
Public housing	.5	1.2	15.5	5.9	14.9	17.4	19.3	37.2	8.7	6.9
Industrial aid	.1	.4	1.7	3.4	2.8	3.6	15.7	14.1	4.7	2.2
Other	5.1	12.6	10.4	12.8	19.2	16.0	16.6	26.9	31.3	20.3

[1] Includes school districts.

Source: Public Securities Association, New York, NY, *Statistical Yearbook of Municipal Finances,* periodic, and IDD/PSA Municipal Database.

No. 455. State and Local Governments—Indebtedness and Debt Transactions: 1970 to 1986

[**In billions of dollars, except per capita.** As of end of fiscal year; see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See *Historical Statistics, Colonial Times to 1970,* series Y 680, Y 747, and Y 794, for debt outstanding]

ITEM	DEBT OUTSTANDING						LONG-TERM		
	Total	Per capita[1] (dol.)	Long-term			Short-term	Net long-term	Debt issued	Debt retired
			Local schools[2]	Utilities[3]	All other				
1970: Total	143.6	704	31.5	19.6	80.3	12.2	121.7	12.8	7.0
State	42.0	206	3.0	(NA)	35.9	3.1	34.5	3.9	1.9
Local	101.6	498	28.6	19.6	44.4	9.1	87.3	8.9	5.1
1980: Total	335.6	1,482	32.3	55.2	235.0	13.1	262.9	42.4	17.4
State	122.0	540	3.8	4.6	111.5	2.1	79.8	16.4	5.7
Local	213.6	942	28.5	50.6	123.5	11.0	183.1	25.9	11.7
1985: Total	568.6	2,382	43.8	90.8	414.5	19.6	430.5	101.2	43.5
State	211.9	890	6.7	8.6	193.8	2.8	110.4	41.7	16.4
Local	356.7	1,494	37.1	82.2	220.6	16.8	320.1	59.5	27.2
1986: Total	658.9	2,733	47.4	104.8	488.3	18.3	496.9	162.0	74.4
State	247.7	1,030	7.8	10.0	228.4	1.6	129.1	64.0	26.4
Local	411.2	1,705	39.6	94.9	260.0	16.7	367.8	98.1	48.0

NA Not available. [1] 1970 and 1980 based on enumerated resident population as of April 1; 1985 and 1986 based on estimated resident population as of July 1. [2] Includes debt for education activities other than higher education. [3] Beginning 1980, data for State governments classified as "utility," rather than in "All other."

Source: U.S. Bureau of the Census, *Government Finances,* series GF, No. 5, annual, and unpublished data.

No. 456. State and Local Government Revenues from Alcoholic Beverages: 1985 and 1986

[**In millions of dollars, except per capita.** For fiscal or calendar year; see text, section 9]

STATE	REVENUE		Revenue per capita[2] (dol.)	STATE	REVENUE		Revenue per capita[2] (dol.)	STATE	REVENUE		Revenue per capita[2] (dol.)
	Total	Taxes[1]			Total	Taxes[1]			Total	Taxes[1]	
Total, 1985	7,070.4	6,198.3	30								
Total, 1986	**7,280.5**	**6,392.3**	**30**	KY	64.7	59.8	17	ND	17.1	14.9	25
AL	196.7	173.6	49	LA	130.7	126.9	29	OH	311.9	244.2	29
AK	15.0	13.3	28	ME	47.0	30.8	40	OK	77.2	70.2	23
AZ	112.2	107.6	34	MD	99.0	80.7	22	OR	65.4	10.8	24
AR	41.8	40.3	18	MA	106.9	99.8	18	PA	299.8	221.6	25
CA	554.4	523.2	21	MI	278.5	209.3	30	RI	28.5	27.1	29
CO	100.9	98.3	31	MN	177.6	159.8	42	SC	150.7	145.2	45
CT	116.8	110.3	37	MS	96.3	70.2	37	SD	24.1	20.6	34
DE	5.8	5.2	9	MO	97.4	92.8	19	TN	186.0	175.5	39
DC	39.6	37.6	63	MT	20.9	14.1	26	TX	529.2	496.3	32
FL	602.7	562.7	52	NE	32.1	29.2	20	UT	47.9	29.7	29
GA	290.5	265.1	48	NV	74.4	71.9	77	VT	20.1	17.6	37
HI	55.3	51.7	52	NH	44.7	11.3	44	VA	201.6	149.0	35
ID	28.4	20.2	28	NJ	158.5	145.4	21	WA	241.5	208.7	54
IL	329.9	308.6	29	NM	42.4	40.2	29	WV	42.0	26.8	22
IN	108.2	99.4	20	NY	486.1	448.0	27	WI	117.5	111.0	25
IA	80.4	40.9	28	NC	218.1	192.5	34	WY	15.0	10.8	30
KS	50.9	49.3	21								

[1] Excise and sales taxes. [2] Based on estimated resident population as of July 1.

Source: Distilled Spirits Council of the United States, Inc., Washington, DC, unpublished data.

No. 457. State and Local Governments—Revenue, Expenditure, and Debt

[In millions of dollars, except as indicated. For fiscal years ending in year shown; see text, section 9. Except for 1982, local

YEAR, DIVISION, AND STATE	GENERAL REVENUE										
	Total¹	Amount from—					Per capita² (dol.)				Per $1,000 personal income (dol.)
		Federal Government	Taxes			Current charges	Total		Taxes		
			Total	Property	Other		Amount	Rank	Total	Rank	
1970	130,756	21,857	86,795	34,054	52,741	14,873	643	(x)	427	(x)	178
1975	228,171	47,034	141,465	51,491	89,974	25,588	1,071	(x)	664	(x)	198
1980	382,322	83,029	223,463	68,499	154,964	44,373	1,688	(x)	987	(x)	198
1981	423,404	90,294	244,514	74,969	169,545	50,238	1,869	(x)	1,079	(x)	196
1982	457,654	87,282	266,390	82,067	184,322	56,920	2,020	(x)	1,176	(x)	190
1983	486,753	90,007	284,436	89,105	195,332	62,625	2,078	(x)	1,214	(x)	172
1984	542,730	96,935	320,194	96,457	223,737	69,022	2,295	(x)	1,354	(x)	175
1985	598,121	106,158	350,367	103,757	246,610	74,323	2,505	(x)	1,468	(x)	180
U.S., 1986	**641,458**	**113,099**	**373,051**	**111,711**	**261,340**	**80,400**	**2,661**	(x)	**1,547**	(x)	**182**
New England:											
Maine	2,864	692	1,660	561	1,099	263	2,444	32	1,416	25	191
New Hampshire	2,170	397	1,249	758	491	238	2,113	43	1,216	41	133
Vermont	1,436	330	803	301	502	161	2,658	23	1,484	21	196
Massachusetts	17,559	3,201	11,275	3,506	7,769	1,650	3,010	7	1,933	6	170
Rhode Island	2,713	587	1,494	609	885	251	2,783	17	1,532	18	191
Connecticut	9,377	1,364	6,210	2,331	3,879	667	2,937	11	1,945	5	150
Middle Atlantic:											
New York	70,061	12,274	45,129	13,293	31,836	6,314	3,937	4	2,536	4	230
New Jersey	22,514	3,430	14,231	5,766	8,465	2,228	2,953	10	1,866	7	159
Pennsylvania	29,117	5,656	17,342	4,617	12,725	2,707	2,448	31	1,458	22	172
East North Central:											
Ohio	25,844	4,706	15,183	4,241	10,942	3,407	2,405	33	1,413	26	173
Indiana	11,928	2,146	6,754	2,166	4,588	2,067	2,167	41	1,227	39	165
Illinois	28,606	5,114	17,866	6,225	11,641	2,754	2,477	28	1,547	17	159
Michigan	26,336	4,736	15,577	5,945	9,633	3,527	2,882	12	1,705	13	195
Wisconsin	13,425	2,366	8,279	2,870	5,408	1,821	2,807	14	1,731	10	202
West North Central:											
Minnesota	13,254	2,187	7,226	2,229	4,999	1,929	3,146	5	1,716	12	210
Iowa	7,070	1,176	4,041	1,551	2,490	1,197	2,481	27	1,418	24	188
Missouri	10,235	1,896	5,835	1,233	4,602	1,361	2,021	48	1,152	43	147
North Dakota	1,878	409	872	247	625	336	2,785	18	1,284	33	222
South Dakota	1,650	410	808	338	470	191	2,330	35	1,142	44	187
Nebraska	3,997	682	2,138	926	1,213	727	2,501	26	1,338	30	182
Kansas	6,070	922	3,430	1,311	2,120	826	2,467	29	1,394	28	168
South Atlantic:											
Delaware	1,951	333	1,052	141	911	318	3,082	6	1,661	14	205
Maryland	12,488	2,083	7,776	1,955	5,821	1,218	2,799	15	1,743	9	166
District of Columbia	3,450	1,346	1,717	484	1,233	176	5,520	2	2,748	2	284
Virginia	13,235	2,275	8,125	2,289	5,836	1,768	2,284	38	1,402	27	148
West Virginia	4,317	981	2,330	390	1,940	478	2,252	39	1,215	42	213
North Carolina	13,044	2,448	7,738	1,675	6,063	1,610	2,060	46	1,222	40	166
South Carolina	7,014	1,357	3,844	879	2,965	1,167	2,075	45	1,137	45	184
Georgia	14,470	2,679	7,815	2,009	5,806	2,747	2,372	34	1,281	35	176
Florida	25,729	3,485	14,868	4,794	10,073	4,132	2,200	40	1,271	36	150
East South Central:											
Kentucky	7,880	1,740	4,114	726	3,388	917	2,115	42	1,104	46	188
Tennessee	9,684	2,168	5,172	1,131	4,041	1,595	2,018	49	1,077	47	166
Alabama	8,559	1,785	4,140	479	3,661	1,701	2,113	44	1,022	49	186
Mississippi	5,325	1,314	2,533	580	1,953	985	2,029	47	965	51	209
West South Central:											
Arkansas	4,486	1,050	2,398	431	1,968	589	1,892	51	1,011	50	171
Louisiana	11,075	2,034	5,640	852	4,788	1,647	2,462	30	1,254	37	220
Oklahoma	7,651	1,262	4,243	773	3,470	1,190	2,314	36	1,283	34	188
Texas	38,197	5,502	21,546	8,619	12,928	5,125	2,289	37	1,291	32	170
Mountain:											
Montana	2,285	548	1,127	533	594	216	2,796	16	1,379	29	236
Idaho	1,969	448	1,057	300	757	301	1,985	50	1,055	48	177
Wyoming	2,736	491	1,332	595	738	270	5,396	3	2,628	3	422
Colorado	8,765	1,405	4,852	1,702	3,150	1,284	2,684	22	1,486	20	176
New Mexico	4,436	772	1,836	211	1,625	456	2,999	8	1,241	38	263
Arizona	8,260	1,032	4,896	1,399	3,498	926	2,525	25	1,493	19	185
Utah	4,292	927	2,150	610	1,540	539	2,580	24	1,292	31	235
Nevada	2,626	425	1,501	327	1,174	408	2,716	20	1,552	16	177
Pacific:											
Washington	11,967	2,050	7,092	1,971	5,121	1,672	2,686	21	1,589	15	179
Oregon	7,389	1,426	3,874	1,755	2,119	975	2,735	19	1,434	23	206
California	80,297	14,041	46,585	12,165	34,419	10,589	2,974	9	1,725	11	176
Alaska	6,657	480	2,397	579	1,818	409	12,513	1	4,505	1	701
Hawaii	3,060	532	1,896	334	1,562	369	2,873	13	1,780	8	180

X Not applicable. [1] Includes miscellaneous revenue, not shown separately. [2] Data for 1975 based on estimated resident population as of July 1; 1970 and 1980–1982 based on enumerated resident population as of April 1, 1970 and 1980, respectively; 1983–1986 based on estimated resident population as of July 1.

1970 TO 1986 AND BY STATE, 1986

government amounts included here are estimates subject to sampling variation; see source and Appendix III]

DEBT OUTSTANDING			DIRECT GENERAL EXPENDITURE								CAPITAL OUTLAY [4]		YEAR, DIVISION, AND STATE
Total	Per capita [3] (dol.)	Rank	Total	Per capita [3] (dol.)	Rank	Education	Highways	Public welfare	Health, hospitals	All other	Total	Per capita [3] (dol.)	
143,570	706	(x)	131,332	646	(x)	52,718	16,427	14,679	9,668	37,840	29,650	146	1970
221,224	1,038	(x)	229,747	1,077	(x)	87,858	22,528	27,191	18,846	73,324	44,824	211	1975
335,603	1,482	(x)	367,340	1,622	(x)	133,211	33,311	45,552	32,174	123,092	62,894	278	1980
368,892	1,606	(x)	405,576	1,790	(x)	145,784	34,603	52,248	36,101	136,840	67,596	295	1981
404,579	1,786	(x)	435,103	1,921	(x)	154,283	34,520	56,216	40,882	149,202	66,802	296	1982
454,501	1,940	(x)	464,752	1,984	(x)	163,876	36,655	59,157	43,750	161,314	67,734	289	1983
506,330	2,141	(x)	503,375	2,128	(x)	176,108	39,419	64,709	46,419	176,720	70,651	299	1984
568,633	2,382	(x)	552,033	2,312	(x)	192,686	44,989	69,523	49,678	195,157	79,901	335	1985
658,875	**2,733**	(x)	**603,684**	**2,504**	(x)	**210,819**	**49,368**	**73,875**	**53,613**	**216,009**	**90,457**	**375**	**U.S., 1986**
													New England:
2,389	2,039	40	2,704	2,307	31	955	283	474	130	861	282	241	Maine
2,912	2,836	25	2,079	2,024	42	725	239	239	115	760	234	228	New Hampshire
1,373	2,537	30	1,386	2,562	24	534	161	176	57	458	158	293	Vermont
17,787	3,049	21	15,812	2,710	12	4,617	829	2,784	1,481	6,101	2,028	348	Massachusetts
3,560	3,652	13	2,605	2,671	16	819	172	458	186	969	236	242	Rhode Island
9,857	3,087	19	8,236	2,579	20	2,377	696	1,101	582	3,479	974	305	Connecticut
													Middle Atlantic:
70,881	3,983	9	63,485	3,568	4	18,447	3,589	10,336	6,439	24,675	7,961	447	New York
26,815	3,517	14	21,314	2,795	8	6,985	1,780	2,467	1,273	8,809	2,710	355	New Jersey
31,351	2,636	27	25,957	2,182	38	9,170	2,354	4,074	1,471	8,888	2,825	238	Pennsylvania
													East North Central:
18,012	1,676	45	24,616	2,290	32	9,202	1,906	3,955	2,005	7,549	2,935	273	Ohio
7,251	1,318	50	10,984	1,996	43	4,500	892	1,276	1,098	3,218	1,422	258	Indiana
25,636	2,219	35	27,155	2,351	30	9,198	2,403	3,811	1,752	9,992	3,783	327	Illinois
17,805	1,948	43	25,360	2,775	10	9,445	1,581	4,093	2,541	7,699	2,222	243	Michigan
9,487	1,984	42	13,012	2,720	11	4,901	1,137	2,097	991	3,886	1,510	316	Wisconsin
													West North Central:
16,428	3,899	11	12,846	3,049	5	4,235	1,312	1,935	1,031	4,333	1,985	471	Minnesota
4,584	1,612	46	6,951	2,439	26	2,672	900	838	681	1,861	1,023	359	Iowa
7,701	1,521	48	9,698	1,915	49	3,569	1,023	1,013	1,065	3,028	1,509	298	Missouri
1,488	2,192	37	1,838	2,707	13	706	241	181	98	612	263	387	North Dakota
1,689	2,385	33	1,596	2,254	33	560	264	148	86	537	268	378	South Dakota
6,241	3,906	10	3,826	2,394	28	1,475	486	375	403	1,088	791	495	Nebraska
5,670	2,304	34	5,862	2,382	29	2,301	775	495	471	1,821	878	357	Kansas
													South Atlantic:
3,553	5,612	3	1,783	2,817	7	701	163	122	93	704	202	319	Delaware
13,823	3,099	18	11,514	2,581	19	3,890	1,072	1,300	471	4,781	1,974	443	Maryland
3,696	5,914	2	2,938	4,701	2	502	92	527	282	1,536	558	893	District of Columbia
10,153	1,752	44	12,803	2,209	35	5,102	1,354	1,010	1,145	4,193	1,863	321	Virginia
5,012	2,615	28	4,141	2,160	39	1,597	506	448	291	1,299	536	280	West Virginia
12,880	2,031	41	12,099	1,911	50	5,322	981	1,140	1,162	3,494	2,056	325	North Carolina
8,639	2,555	29	6,662	1,970	45	2,713	439	605	905	1,999	1,566	463	South Carolina
12,447	2,040	39	13,425	2,201	37	4,649	1,178	1,168	2,515	3,915	2,674	438	Georgia
31,658	2,707	26	24,790	2,120	41	8,214	1,899	1,830	2,674	10,174	5,312	454	Florida
													East South Central:
11,386	3,056	20	7,162	1,922	47	2,570	821	945	472	2,355	956	257	Kentucky
9,797	2,041	38	9,214	1,920	48	3,131	926	1,050	1,156	2,950	1,517	316	Tennessee
8,962	2,213	36	8,615	2,127	40	3,213	825	749	1,361	2,466	1,256	310	Alabama
3,521	1,342	49	5,136	1,957	46	1,857	594	519	784	1,382	627	239	Mississippi
													West South Central:
3,781	1,595	47	4,371	1,844	51	1,877	514	507	378	1,095	827	349	Arkansas
18,696	4,156	8	10,908	2,424	27	3,531	1,085	984	1,294	4,014	1,719	382	Louisiana
8,311	2,514	31	7,364	2,228	34	2,889	702	786	723	2,264	1,322	400	Oklahoma
47,704	2,858	24	36,760	2,203	36	15,453	3,830	2,345	3,177	11,955	8,295	497	Texas
													Mountain:
2,397	2,934	23	2,280	2,791	9	841	340	208	118	772	410	502	Montana
1,245	1,242	51	1,984	1,980	44	765	255	156	184	624	337	336	Idaho
2,318	4,572	5	2,267	4,472	3	845	356	103	235	728	546	1,076	Wyoming
9,639	2,951	22	8,388	2,568	22	3,101	804	816	661	3,006	1,494	458	Colorado
4,951	3,347	15	3,987	2,696	14	1,580	429	292	303	1,385	726	491	New Mexico
13,802	4,209	7	8,429	2,571	21	3,274	912	605	410	3,227	2,328	710	Arizona
8,770	5,271	4	4,133	2,484	25	1,749	414	356	291	1,324	1,180	709	Utah
3,039	3,143	17	2,564	2,652	18	745	279	146	177	1,218	471	487	Nevada
													Pacific:
18,985	4,254	6	11,447	2,565	23	4,179	970	1,243	861	4,195	2,052	460	Washington
10,439	3,863	12	7,210	2,669	17	2,652	552	577	417	3,013	893	331	Oregon
65,098	2,411	32	76,082	2,818	6	24,463	3,424	10,455	6,780	30,960	9,182	340	California
11,886	22,304	1	5,039	9,473	1	1,214	484	275	143	2,925	1,068	2,007	Alaska
3,400	3,193	16	2,866	2,691	15	806	147	283	196	1,434	515	483	Hawaii

[3] 1970 to 1982, based on personal income for the previous calendar year; beginning 1983 based on income for calendar year.
[4] Includes general functions, liquor stores, and utilities.

Source: U.S. Bureau of the Census, *Government Finances*, series GF, No. 5, annual.

No. 458. State Governments—Summary of Finances: 1980 to 1986

[For fiscal years; see text section 9. See also *Historical Statistics, Colonial Times to 1970,* series Y 710-782]

ITEM	TOTAL (mil. dol.)			PER CAPITA [1] (dol.)			PERCENT DISTRIBUTION		
	1980	1985	1986	1980	1985	1986	1980	1985	1986
Borrowing and revenue	**293,356**	**476,964**	**534,176**	**1,299**	**2,003**	**2,221**	**100.0**	**100.0**	**100.0**
Borrowing	16,394	37,547	53,002	73	158	220	5.6	7.9	9.9
Revenue	276,962	439,416	481,174	1,226	1,845	2,001	94.4	92.1	90.1
General revenue	233,592	365,835	393,476	1,034	1,536	1,636	79.6	76.7	73.7
Taxes	137,075	215,893	228,054	607	907	948	46.7	45.3	42.7
Sales and gross receipts	67,855	105,419	112,343	300	443	467	23.1	22.1	21.0
General	43,168	69,633	74,821	191	292	311	14.7	14.6	14.0
Motor fuels	9,722	13,344	14,087	43	56	59	3.3	2.8	2.6
Alcoholic beverages	2,478	3,031	3,062	11	13	13	.8	.6	.6
Tobacco products	3,738	4,362	4,449	17	18	19	1.3	.9	.8
Other	8,750	15,049	15,923	39	63	66	3.0	3.2	3.0
Licenses	8,690	13,766	14,904	38	58	62	3.0	2.9	2.8
Motor vehicles	4,936	7,163	7,679	22	30	32	1.7	1.5	1.4
Corporations in general	1,388	2,813	3,065	6	12	13	.5	.6	.6
Other	2,366	3,791	4,160	10	16	17	.8	.8	.8
Individual income	37,089	63,908	67,469	164	268	281	12.6	13.4	12.6
Corporation net income	13,321	17,631	18,363	59	74	76	4.5	3.7	3.4
Property	2,892	3,984	4,355	13	17	18	1.0	.8	.8
Other	7,227	11,184	10,620	32	47	44	2.5	2.3	2.0
Charges and miscellaneous	32,190	60,055	66,848	142	252	278	11.0	12.6	12.5
Intergovernmental revenue	64,326	89,887	98,574	285	377	410	21.9	18.8	18.5
From Federal Government	61,892	84,434	92,666	274	355	385	21.1	17.7	17.3
Public welfare	24,680	38,664	41,802	109	162	174	8.4	8.1	7.8
Education	12,765	15,307	16,523	57	64	69	4.4	3.2	3.1
Highways	8,860	12,702	13,855	39	53	58	3.0	2.7	2.6
Other	15,587	17,761	20,486	69	75	85	5.3	3.7	3.8
From local governments	2,434	5,453	5,908	11	23	25	.8	1.1	1.1
Utility revenue	1,304	2,921	2,907	6	12	12	.4	.6	.5
Liquor stores revenue	2,765	2,753	2,807	12	12	12	.9	.6	.5
Insurance trust revenue [2]	39,301	67,907	81,984	174	285	341	13.4	14.2	15.3
Employee retirement	21,146	43,993	56,820	94	185	236	7.2	9.2	10.6
Unemployment compensation	13,468	17,596	18,173	60	74	76	4.6	3.7	3.4
Expenditure and debt redemption	**263,494**	**402,802**	**440,914**	**1,166**	**1,692**	**1,834**	**100.0**	**100.0**	**100.0**
Debt redemption	5,682	12,060	16,699	25	51	69	2.2	3.0	3.8
Expenditure [3]	257,812	390,742	424,216	1,141	1,641	1,764	97.8	97.0	96.2
General expenditure	228,223	345,047	376,519	1,010	1,449	1,566	86.6	85.7	85.4
Education	87,939	128,604	140,189	389	540	583	33.4	31.9	31.8
Public welfare	44,219	67,264	72,554	196	282	302	16.8	16.7	16.5
Highways	25,044	33,154	36,661	111	139	152	9.5	8.2	8.3
Health and hospitals	17,855	27,595	30,131	79	116	125	6.9	6.8	6.8
State hospitals	11,015	15,802	16,962	49	66	71	4.2	3.9	3.8
Other hospitals and health	6,840	11,793	13,170	30	50	55	2.6	2.9	3.0
Corrections	4,449	9,171	10,771	20	39	45	1.7	2.3	2.4
Natural resources	4,346	6,758	7,312	19	28	30	1.6	1.7	1.7
General control	3,232	5,231	5,767	14	22	24	1.2	1.3	1.3
Financial administration	3,031	5,019	5,855	13	21	24	1.2	1.2	1.3
Police protection	2,263	3,518	3,714	10	15	15	.9	.9	.8
Employment security	2,001	2,582	2,697	9	11	11	.8	.6	.6
Housing and community development	601	1,540	1,872	3	6	8	.2	.4	.4
Misc. and unallocable	33,242	54,611	58,995	147	229	245	12.6	13.6	13.4
Utility expenditure	2,401	5,364	5,530	11	23	23	.9	1.3	1.3
Liquor stores expenditure	2,206	2,391	2,418	10	10	10	.8	.6	.5
Insurance trust expenditure [2]	24,981	37,940	39,749	111	159	165	9.5	9.4	9.0
Employee retirement	10,256	18,230	19,878	45	77	83	3.9	4.5	4.5
Unemployment compensation	12,006	14,928	14,821	53	63	62	4.6	3.7	3.4
By character and object:									
Intergovernmental expenditure	84,504	121,571	131,966	374	511	549	32.1	30.2	29.9
Direct expenditure	173,307	269,171	292,249	767	1,130	1,215	65.8	66.8	66.3
Current operation	108,131	172,124	186,186	479	723	774	41.0	42.7	42.2
Capital outlay	23,325	30,657	34,550	103	129	144	8.9	7.6	7.8
Construction	19,736	23,877	26,557	87	100	110	7.5	5.9	6.0
Land and existing structures	1,345	1,833	2,176	6	8	9	.5	.5	.5
Equipment	2,243	4,947	5,816	10	21	24	.9	1.2	1.3
Assistance and subsidies	9,818	12,842	14,162	43	54	59	3.7	3.2	3.2
Interest on debt	7,052	15,608	17,601	31	66	73	2.7	3.9	4.0
Insurance benefits and repayments	24,981	37,940	39,749	111	159	165	9.5	9.4	9.0
Debt outstanding, yearend	**121,958**	**211,917**	**247,715**	**540**	**890**	**1,030**	**100.0**	**100.0**	**100.0**
Long-term	119,821	209,125	246,109	530	878	1,023	98.2	98.7	99.4
Full-faith and credit	49,364	60,432	64,640	219	254	269	40.5	28.5	26.1
Nonguaranteed	70,457	148,693	181,469	312	624	755	57.8	70.2	73.3
Short-term	2,137	2,792	1,606	9	12	7	1.8	1.3	.6
Net long-term	79,810	110,361	129,119	353	463	537	65.4	52.1	52.1
Full-faith and credit only	39,357	47,894	50,212	174	201	209	32.3	22.6	20.3

[1] Based on estimated resident population as of July 1; except 1980 based on enumerated resident population as of April 1, 1980. [2] Includes other items not shown separately. [3] Intergovernmental and direct.

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC82(6)-4) and *State Government Finances,* series GF, No. 3, annual.

No. 459. State General Fund Resources and Expenditures: 1987 to 1989

[In millions of dollars, except percent. Fiscal year data; see text, section 9. General funds exclude special funds earmarked for particular purposes, such as highway trust funds and federal funds; they support most on-going broad-based State services, and are available for appropriation to support any governmental activity. Minus sign (–) indicates deficit]

STATE	GENERAL FUND RESOURCES [1]			EXPENDITURES [4]			BALANCE [5]					
	1987	1988 [2]	1989 [3]	1987	1988 [2]	1989 [3]	Total			As percent of expenditures		
							1987	1988 [2]	1989 [3]	1987	1988 [2]	1989 [3]
United States	**228,854**	**240,830**	**254,025**	**217,965**	**230,986**	**246,602**	**3,722**	**4,693**	**2,597**	**1.7**	**2.0**	**1.1**
Alabama	2,690	2,913	3,123	2,630	2,766	3,123	70	146	–	2.7	5.4	–
Alaska	1,642	2,292	2,133	2,395	2,255	2,240	20	162	–78	.8	7.2	–3.4
Arizona	2,462	2,619	2,863	2,406	2,613	2,845	56	6	19	2.3	.2	.7
Arkansas	1,461	1,546	1,612	1,461	1,546	1,612	–	–	–	–	–	–
California	33,233	33,277	36,138	31,469	33,239	35,534	77	29	–	.2	.1	–
Colorado	2,103	2,221	2,334	1,996	2,133	2,276	45	88	38	2.3	4.1	1.7
Connecticut	4,742	4,904	5,474	4,377	4,981	5,548	–	–	–	–	–	–
Delaware	1,101	1,204	1,186	931	1,039	1,044	170	165	142	18.3	15.9	13.6
Florida	7,761	8,771	9,509	7,725	8,629	9,509	36	106	–	.5	1.2	–
Georgia	5,518	6,067	6,363	5,354	5,958	6,363	164	109	–	3.1	1.8	–
Hawaii	2,031	2,427	2,705	1,692	1,957	2,275	339	471	430	20.0	24.1	18.9
Idaho	633	675	715	618	658	698	–	17	17	–	2.6	2.4
Illinois	10,620	10,834	11,348	10,340	10,625	11,012	154	246	246	1.5	2.3	2.2
Indiana	3,564	4,058	4,427	3,274	3,557	3,913	101	243	184	3.1	6.8	4.7
Iowa	2,512	2,719	2,858	2,445	2,657	2,857	–	–	–	–	–	–
Kansas	1,800	2,188	2,332	1,727	1,887	2,117	73	301	215	4.2	16.0	10.2
Kentucky	3,097	3,236	3,330	2,914	3,208	3,308	145	32	20	5.0	1.0	.6
Louisiana	3,169	3,118	3,324	3,804	3,881	4,034	–446	–714	140	–11.7	–18.4	3.5
Maine	1,128	1,254	1,339	1,045	1,185	1,339	60	58	–	5.7	4.9	–
Maryland	4,695	5,098	5,428	4,487	4,897	5,412	158	197	6	3.5	4.0	.1
Massachusetts	7,297	7,127	7,669	6,896	7,229	7,727	41	25	5	.6	.3	.1
Michigan	6,475	6,590	6,721	6,464	6,579	6,707	11	12	14	.2	.2	.2
Minnesota	5,799	6,284	6,152	5,167	5,560	5,710	227	279	–	4.4	5.0	–
Mississippi	1,578	1,773	1,822	1,490	1,682	1,806	116	89	24	7.8	5.3	1.3
Missouri	3,315	3,554	3,831	3,273	3,487	3,790	50	80	48	1.5	2.3	1.3
Montana	363	398	416	391	372	382	11	39	36	2.8	10.5	9.4
Nebraska	904	1,068	1,166	849	891	1,009	55	178	125	6.5	20.0	12.4
Nevada	642	637	690	575	586	646	27	51	45	4.7	8.7	6.9
New Hampshire	570	562	589	513	552	582	23	10	5	4.5	1.8	.9
New Jersey	9,860	10,883	11,779	9,138	10,372	11,450	722	690	213	7.9	6.7	1.9
New Mexico	1,496	1,623	1,593	1,458	1,546	1,579	46	–	–	3.2	–	–
New York	24,841	26,883	27,492	23,453	25,087	26,906	169	53	–64	.7	.2	–.2
North Carolina	5,711	6,168	6,614	5,349	5,774	6,586	362	394	28	6.8	6.8	.4
North Dakota	568	560	532	544	506	529	24	51	3	4.4	10.1	.6
Ohio	10,929	11,120	11,349	10,540	10,801	11,089	226	297	139	2.1	2.7	1.3
Oklahoma	2,070	2,397	2,616	2,059	2,203	2,437	–	116	159	–	5.3	6.5
Oregon	1,940	1,909	1,962	1,706	1,830	1,904	234	79	58	13.7	4.3	3.1
Pennsylvania	10,079	10,612	10,831	9,681	10,472	10,708	348	95	91	3.6	.9	.9
Rhode Island	1,239	1,365	1,424	1,123	1,252	1,395	106	99	11	9.4	7.9	.8
South Carolina	2,736	2,988	3,237	2,670	2,861	3,145	90	138	86	3.4	4.8	2.8
South Dakota	402	434	434	364	392	416	36	42	18	9.9	10.7	4.3
Tennessee	2,979	3,186	3,475	2,952	3,080	3,353	22	80	32	.7	2.6	1.0
Texas	11,707	11,722	12,577	9,901	9,263	9,484	–984	–471	52	–9.9	–5.1	.6
Utah	1,304	1,489	1,496	1,279	1,380	1,449	29	89	–	2.3	6.4	–
Vermont	485	580	614	431	488	570	61	74	14	14.2	15.2	2.4
Virginia	5,107	5,150	5,583	4,656	4,963	5,583	138	187	–	3.0	3.8	–
Washington	5,045	5,109	5,364	4,878	5,046	5,240	2	64	–	(Z)	1.3	–
West Virginia	1,644	1,449	1,500	1,611	1,414	1,450	33	35	–	2.0	2.5	–
Wisconsin	5,358	5,441	5,628	5,070	5,300	5,568	233	141	60	4.6	2.7	1.1
Wyoming	441	351	328	395	352	344	46	16	19	11.6	4.5	5.5

– Represents zero. Z Less than .05 percent. [1] Includes funds budgeted, adjustments, and balances from previous year. [2] Estimates. [3] Appropriated figures. [4] Does not include transfers (plus or minus). [5] Resources, less expenditures and transfers.

Source: National Governors' Association and National Association of State Budget Officers, Washington, DC, *Fiscal Survey of the States*, semi-annual (copyright).

No. 460. State Governments—Revenue,

[In millions of dollars, except as indicated

YEAR, DIVISION, AND STATE	Total revenue[1]	GENERAL REVENUE								DEBT OUTSTANDING
		Total		Per capita[2]		Intergovernmental revenue		Taxes	Charges and miscellaneous	
		Amount	Rank	Total (dol.)	Rank	From Federal Government	From local governments			Total
1970	88,939	77,755	(x)	384	(x)	12,252	995	47,962	9,545	42,008
1975	157,033	134,611	(x)	634	(x)	36,148	1,660	80,155	16,629	72,127
1980	276,962	233,592	(x)	1,034	(x)	61,892	2,434	137,075	32,190	121,958
1982	330,899	275,111	(x)	1,218	(x)	66,026	3,139	162,607	43,338	147,470
1983	357,661	290,480	(x)	1,243	(x)	68,965	3,742	171,440	46,312	167,290
1984	397,087	330,740	(x)	1,402	(x)	76,140	5,310	196,795	52,495	186,377
1985	439,416	365,835	(x)	1,536	(x)	84,434	5,453	215,893	60,055	211,917
U.S., 1986	**481,174**	**393,476**	(x)	**1,636**	(x)	**92,666**	**5,908**	**228,054**	**66,848**	**247,715**
New England:										
Maine	2,389	2,039	40	1,740	16	608	3	1,101	327	1,558
New Hampshire	1,548	1,247	48	1,214	48	328	32	484	402	2,384
Vermont	1,185	1,048	49	1,938	11	296	5	500	246	984
Massachusetts	13,121	12,050	10	2,065	7	2,377	150	7,668	1,855	11,844
Rhode Island	2,362	1,960	41	2,011	9	508	24	886	543	2,950
Connecticut	6,966	6,364	20	1,993	10	1,184	3	3,837	1,340	7,317
Middle Atlantic:										
New York	50,909	40,932	2	2,300	4	10,154	3,122	22,747	4,908	36,371
New Jersey	17,558	14,485	8	1,900	13	2,906	160	8,360	3,058	16,899
Pennsylvania	22,120	17,888	4	1,504	29	4,627	75	10,683	2,501	7,802
East North Central:										
Ohio	23,021	15,801	7	1,470	30	3,788	139	9,062	2,812	8,859
Indiana	8,485	7,617	18	1,384	39	1,809	24	4,458	1,327	2,180
Illinois	19,437	16,294	6	1,411	35	3,987	91	9,801	2,415	11,988
Michigan	20,507	16,608	5	1,817	16	4,005	482	9,314	2,806	7,084
Wisconsin	10,886	8,832	12	1,847	15	2,061	53	5,492	1,227	4,860
West North Central:										
Minnesota	9,540	8,077	14	1,917	12	1,824	92	4,898	1,263	3,780
Iowa	5,314	4,350	30	1,526	27	1,006	61	2,459	824	1,801
Missouri	7,491	6,304	21	1,245	46	1,541	9	3,608	1,146	3,751
North Dakota	1,565	1,380	46	2,033	8	349	16	616	389	743
South Dakota	1,241	1,038	50	1,466	31	343	6	404	284	1,303
Nebraska	2,334	2,165	39	1,355	41	561	29	1,119	455	1,309
Kansas	3,948	3,235	34	1,314	45	794	13	1,912	516	352
South Atlantic:										
Delaware	1,807	1,553	44	2,454	3	278	3	883	390	2,635
Maryland	9,140	7,763	17	1,740	18	1,659	37	4,670	1,397	5,410
Virginia	9,964	8,406	13	1,451	33	1,949	104	4,847	1,507	3,843
West Virginia	3,822	3,170	36	1,654	22	886	6	1,849	430	2,132
North Carolina	10,801	8,904	11	1,406	36	2,018	124	5,580	1,182	2,606
South Carolina	6,362	4,919	27	1,455	32	1,180	31	2,887	821	3,726
Georgia	9,391	8,044	15	1,319	44	2,186	60	4,917	881	2,451
Florida	15,815	13,319	9	1,139	50	2,612	97	9,120	1,490	5,680
East South Central:										
Kentucky	6,710	5,706	24	1,531	26	1,525	12	3,216	953	4,110
Tennessee	6,813	5,886	22	1,226	47	1,812	41	3,272	761	2,158
Alabama	6,801	5,718	23	1,412	34	1,520	29	2,997	1,172	3,752
Mississippi	4,434	3,586	32	1,367	40	1,154	18	1,917	497	1,164
West South Central:										
Arkansas	3,623	3,172	35	1,338	43	927	5	1,827	413	1,087
Louisiana	8,359	7,035	19	1,564	24	1,752	17	3,630	1,636	10,479
Oklahoma	5,905	5,032	26	1,522	28	1,055	19	2,960	999	3,830
Texas	23,103	19,904	3	1,193	49	4,547	12	11,125	4,221	5,432
Mountain:										
Montana	1,754	1,388	45	1,699	20	455	13	617	303	1,240
Idaho	1,744	1,354	47	1,351	42	386	18	745	206	658
Wyoming	2,004	1,732	42	3,416	2	440	8	795	489	825
Colorado	5,995	4,550	29	1,393	38	1,174	19	2,344	1,013	1,998
New Mexico	3,925	3,380	33	2,285	5	600	31	1,462	1,287	2,137
Arizona	6,038	4,605	28	1,404	37	733	74	3,196	602	1,473
Utah	3,311	2,727	37	1,639	23	811	24	1,365	527	1,325
Nevada	2,391	1,614	43	1,669	21	345	8	1,048	212	1,224
Pacific:										
Washington	10,668	8,013	16	1,795	17	1,625	147	5,219	1,022	3,572
Oregon	5,524	4,179	31	1,547	25	1,063	37	1,931	1,148	7,142
California	63,987	50,234	1	1,860	14	12,090	321	30,878	6,944	20,122
Alaska	6,115	5,444	25	10,232	1	414	5	1,856	3,168	6,961
Hawaii	2,945	2,430	38	2,282	6	416	2	1,491	521	2,828

X Not applicable. [1] Includes liquor stores, utilities, and insurance trust activities, not shown separately. [2] 1970 based on enumerated resident population as of April 1, 1970. 1980 and 1982 based on enumerated resident population as of April 1, 1980. 1975 and 1983–1986 based on estimated resident population as of July 1.

EBT, AND EXPENDITURE 1970 TO 1986, AND BY STATE: 1986

r fiscal year ending in year shown; see text, section 9]

DEBT OUTSTANDING—Con.		Total expenditure [1]	GENERAL EXPENDITURES								YEAR, DIVISION, AND STATE
Per capita [2]			Total [3]			Selected functions					
Total (dol.)	Rank		Amount	Per capita [2] Total (dol.)	Per capita [2] Rank	Education	Public welfare	Highways	Health and hospitals	Natural resources	
207	(x)	85,055	77,642	383	(x)	30,865	13,206	13,483	5,355	2,223	1970
340	(x)	158,882	138,303	651	(x)	54,012	25,559	17,483	10,158	3,554	1975
540	(x)	257,812	228,223	1,010	(x)	87,939	44,220	25,044	17,855	4,346	1980
653	(x)	310,358	269,490	1,193	(x)	102,984	55,257	25,131	22,284	5,485	1982
716	(x)	333,669	284,691	1,218	(x)	107,703	57,544	26,431	23,557	5,834	1983
790	(x)	351,182	309,775	1,313	(x)	116,056	62,749	28,840	24,962	5,945	1984
890	(x)	390,742	345,047	1,449	(x)	128,604	67,264	33,154	27,595	6,758	1985
1,030	(x)	**424,216**	**376,519**	**1,566**	(x)	**140,189**	**72,554**	**36,661**	**30,131**	**7,312**	**U.S., 1986.**
											N. Eng.:
1,330	17	2,156	1,914	1,633	20	647	476	203	97	54	ME.
2,321	7	1,348	1,159	1,128	49	266	209	170	112	23	NH.
1,819	13	1,095	1,014	1,874	11	340	184	121	55	32	VT.
2,030	11	12,449	11,445	1,962	9	2,735	2,868	558	1,102	113	MA.
3,025	3	2,167	1,925	1,974	8	529	466	131	185	14	RI.
2,292	8	6,009	5,404	1,692	18	1,389	1,019	514	547	55	CT.
											Mid. Atl.:
2,044	10	43,139	36,364	2,043	7	10,416	10,567	1,699	3,433	183	NY.
2,216	9	16,043	13,616	1,786	14	3,918	2,365	1,290	937	144	NJ.
656	38	19,278	16,322	1,372	36	5,232	4,154	1,957	1,306	246	PA.
											E. No. Cent.:
824	29	19,010	15,372	1,430	31	5,888	3,579	1,496	1,141	153	OH.
396	48	7,548	7,111	1,292	45	3,108	1,118	855	500	147	IN.
1,038	25	17,823	16,108	1,395	35	5,524	3,656	1,836	1,019	201	IL.
775	33	17,563	15,602	1,707	17	4,843	4,031	1,162	1,848	223	MI.
974	26	9,125	8,424	1,761	15	2,775	1,958	619	577	161	WI.
											W. No. Cent.:
692	28	8,581	7,858	1,865	12	2,909	1,512	796	541	196	MN.
562	40	4,852	4,451	1,562	26	1,872	789	680	337	99	IA.
741	35	6,477	6,064	1,197	46	2,434	998	838	553	137	MO.
1,094	24	1,537	1,427	2,101	4	560	174	185	95	54	ND.
1,840	12	1,074	1,029	1,454	28	282	136	176	69	55	SD.
819	30	2,205	2,122	1,328	39	690	361	353	188	74	NE.
143	50	3,522	3,240	1,316	43	1,448	485	507	268	85	KS.
											So. Atl.:
4,162	2	1,415	1,319	2,083	6	523	123	138	92	27	DE
1,213	19	8,132	7,154	1,604	21	2,107	1,284	1,035	564	150	MD.
663	38	8,873	8,239	1,422	34	3,357	962	1,205	920	128	VA.
1,112	21	3,621	3,065	1,599	22	1,268	448	473	150	81	WV.
412	46	9,369	8,649	1,366	37	4,227	1,075	876	737	197	NC.
1,102	23	5,641	4,812	1,423	33	2,220	594	380	538	112	SC.
402	47	8,530	7,974	1,307	44	3,498	1,284	927	670	198	GA.
486	41	13,740	12,967	1,109	50	5,310	1,681	1,395	1,120	449	FL.
											E. So. Cent.:
1,103	22	5,791	5,372	1,442	30	2,134	927	718	306	159	KY.
449	44	6,080	5,671	1,181	47	2,229	1,012	800	483	90	TN.
926	27	6,438	5,900	1,457	27	2,667	738	658	617	127	AL.
451	43	3,836	3,483	1,328	40	1,420	509	440	287	110	MS.
											W. So. Cent.:
456	42	3,355	3,133	1,321	41	1,342	503	470	222	90	AR.
2,329	6	8,218	7,151	1,589	24	2,697	985	777	755	216	LA.
1,158	20	5,629	4,801	1,452	29	2,155	791	575	386	87	OK.
325	49	20,782	18,918	1,134	48	9,728	2,253	2,533	1,426	292	TX.
											Mt.:
1,518	15	1,643	1,306	1,709	16	447	195	270	82	77	MT.
657	37	1,517	1,323	1,320	42	567	145	218	68	65	ID.
1,827	14	1,633	1,478	2,911	2	466	102	298	81	57	WY.
612	39	4,952	4,376	1,340	38	1,842	762	538	365	107	CO.
1,445	16	3,300	3,096	2,095	5	1,392	282	329	240	66	NM.
449	45	5,074	4,688	1,430	32	2,070	480	739	192	65	AZ.
796	32	3,071	2,793	1,679	19	1,327	355	325	246	72	UT.
1,266	18	1,917	1,539	1,591	23	573	128	219	62	29	NV.
											Pac.:
800	31	9,669	8,100	1,815	13	3,675	1,325	672	549	229	WA.
2,843	5	4,925	4,233	1,566	25	1,326	559	495	304	130	OR.
745	34	57,370	50,791	1,881	10	20,087	11,412	2,485	3,466	1,236	CA.
13,085	1	4,221	3,888	7,309	1	927	259	437	104	164	AK.
2,655	4	2,472	2,241	2,105	3	806	282	94	190	54	HI.

[3] Includes amounts not shown separately.

Source: U.S. Bureau of the Census, *State Government Finances*, series GF, No. 3, and *Census of Governments: 1977* and 982, *Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment.*

NO. 461. STATE GOVERNMENT TAX COLLECTIONS AND EXCISE TAXES, 1970 TO 1987, AND BY STATE, 1987

[Tax collections for **fiscal year;** see text, section 9. Excise taxes as of **September** 1. Collections include local shares of State-imposed taxes. 1987 tax collections preliminary. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	STATE TAX COLLECTIONS (mil. dol.)								EXCISE TAXES		
	Total [1]	Sales and gross receipts				Individual income	Corporation net income	Motor vehicle and operators' licenses	General sales and gross receipts (percent) [2]	Cigarettes (cents per package)	Gasoline (cents per gal.)
		Total [1]	General sales and gross receipts	Motor fuels	Alcoholic beverages and tobacco products						
1970 [3]	47,962	27,254	14,177	6,283	3,728	9,183	3,738	2,728	(x)	(x)	(x)
1975 [3]	80,155	43,346	24,780	8,255	5,249	18,819	6,642	3,941	(x)	(x)	(x)
1980 [3]	137,075	67,855	43,168	9,722	6,216	37,089	13,321	5,325	(x)	(x)	(x)
1985 [3]	215,893	105,419	69,633	13,344	7,393	63,906	17,631	7,780	(x)	(x)	(x)
1986 [3]	228,295	112,353	74,927	14,101	7,511	67,469	18,462	8,372	(x)	(x)	(x)
1987 [3]	**247,149**	**119,970**	**79,819**	**15,661**	**7,696**	**76,038**	**20,740**	**9,037**	(x)	(x)	(x)
Region:											
Northeast	61,809	25,695	16,168	2,329	1,753	23,228	6,478	1,815	(x)	(x)	(x)
Midwest	56,881	28,041	18,956	4,171	1,744	18,790	4,758	2,433	(x)	(x)	(x)
South [3]	69,819	40,033	25,132	6,097	3,048	15,110	3,826	2,885	(x)	(x)	(x)
West	58,640	26,201	19,563	3,065	1,152	18,910	5,678	1,904	(x)	(x)	(x)
New England	**16,262**	**7,174**	**4,589**	**838**	**554**	**5,398**	**2,230**	**539**	(x)	(x)	(x)
Maine	1,288	668	439	97	73	423	68	53	5 F&D	28	14
New Hampshire	563	243	(x)	84	43	9	152	48	(x)	17	14
Vermont	538	278	109	40	27	162	38	34	4 F&D	17	13
Massachusetts	8,464	2,758	1,867	310	252	3,979	1,204	179	5 F&D	26	11
Rhode Island	1,050	531	351	53	37	359	88	27	6 F&D	25	15
Connecticut	4,359	2,696	1,823	254	122	466	680	197	7.5 F&D	26	19
Middle Atlantic	**45,547**	**18,521**	**11,579**	**1,491**	**1,199**	**17,830**	**4,248**	**1,276**	(x)	(x)	(x)
New York	24,676	7,876	5,096	496	563	12,477	2,143	480	[4] 4 F&D	21	8
New Jersey	9,491	4,911	2,912	344	269	2,603	1,088	350	6 F&D	27	8
Pennsylvania	11,379	5,734	3,569	651	368	2,750	1,016	446	6 F&D	18	12
East North Central	**40,452**	**19,943**	**13,521**	**2,916**	**1,214**	**13,201**	**3,688**	**1,572**	(x)	(x)	(x)
Ohio	9,717	5,131	3,383	642	251	3,218	475	352	[4] 5 F&D	18	14.7
Indiana	4,774	2,856	2,252	397	110	1,455	236	89	5 F&D	15.5	14
Illinois	10,430	5,388	3,405	741	319	3,095	862	614	[4] 5 F&D	20	13
Michigan	9,857	4,092	2,829	718	360	3,208	1,645	354	4 F&D	21	15
Wisconsin	5,674	2,475	1,652	419	174	2,224	471	163	[4] 5 F&D	30	20
West North Central	**16,430**	**8,098**	**5,435**	**1,255**	**530**	**5,589**	**1,070**	**861**	(x)	(x)	(x)
Minnesota	5,546	2,407	1,469	357	135	2,312	423	274	[4] 6 F&D	38	17
Iowa	2,662	1,245	826	252	91	955	150	188	4 F&D	26	16
Missouri	3,942	2,093	1,624	215	108	1,248	235	197	[4] 4.225 D	13	11
North Dakota	573	300	194	55	17	80	33	33	5.5 F&D	27	17
South Dakota	416	327	205	57	22	(x)	24	35	[4] 5 D	23	13
Nebraska	1,203	664	391	162	51	360	67	54	[4] 4 F&D	27	17.6
Kansas	2,085	1,062	727	157	107	634	137	80	[4] 4 D	24	11
South Atlantic [3]	**38,295**	**20,320**	**13,226**	**2,880**	**1,535**	**11,265**	**2,605**	**1,282**	(x)	(x)	(x)
Delaware	989	94	(x)	33	17	432	121	44	(x)	14	16
Maryland	5,204	2,306	1,302	328	95	2,181	270	94	5 F&D	13	18.5
District of Columbia [3]	1,915	562	379	25	17	507	169	20	6 F&D	17	15.5
Virginia	5,527	2,260	1,103	439	112	2,446	321	249	[4] 3.5 D	2.5	17.5
West Virginia	1,830	1,134	790	162	42	482	90	68	5 F&D	17	10.5
North Carolina	6,235	2 530	1,456	554	148	2,566	566	238	[4] 3 D	2	15.5
South Carolina	3,340	1,921	1,356	262	137	1,009	190	80	5 D	7	15
Georgia	5,324	2,487	1,739	386	208	2,149	449	87	[4] 3 D	12	[5] 7.5
Florida	9,846	7,588	5,478	716	776	(x)	596	422	[4] 5 F&D	24	4
East South Central	**12,289**	**7,390**	**4,786**	**1,175**	**471**	**2,192**	**831**	**468**	(x)	(x)	(x)
Kentucky	3,520	1,563	892	294	66	921	267	147	[4] 5 F&D	3	15
Tennessee	3,603	2,786	1,994	489	145	68	299	145	[4] 5.5 D	13	17
Alabama	3,222	1,741	884	263	169	888	162	113	[4] 4 D	16.5	11
Mississippi	1,943	1,301	1,015	128	91	315	103	64	6 D	18	15
West South Central	**19,235**	**12,323**	**7,120**	**2,042**	**1,042**	**1,653**	**391**	**1,136**	(x)	(x)	(x)
Arkansas	1,889	1,082	716	206	87	535	116	77	[4] 4 D	21	13.5
Louisiana	3,449	1,955	1,190	357	131	439	191	85	4 F&D	16	16
Oklahoma	2,669	1,169	614	205	127	679	84	228	[4] 4 D	23	16
Texas	11,228	8,116	4,601	1,273	697	(x)	(x)	746	[4] 5.25 F&D	20.5	15
Mountain	**12,215**	**6,773**	**4,526**	**1,137**	**352**	**3,031**	**565**	**512**	(x)	(x)	(x)
Montana	591	149	(x)	85	26	195	35	32	(x)	16	20
Idaho	830	439	298	82	22	265	47	36	5 D	18	14.5
Wyoming	632	211	151	35	6	(x)	(x)	37	[4] 3 D	8	8
Colorado	2,561	1,216	719	292	103	1,035	124	82	[4] 3 F&D	20	18
New Mexico	1,575	924	700	108	36	243	99	40	[4] 4.75	15	14
Arizona	3,469	2,125	1,547	310	92	762	199	187	[4] 5 F&D	15	16
Utah	1,438	753	559	127	33	532	61	45	[4] 5.094 F&D	23	19
Nevada	1,118	956	553	98	34	(x)	(x)	53	[4] 5.75 F&D	20	14.25
Pacific	**46,425**	**19,428**	**15,037**	**1,927**	**799**	**15,679**	**5,113**	**1,392**	(x)	(x)	(x)
Washington	5,639	4,245	3,284	449	235	(x)	(x)	154	6.5 D	31	18
Oregon	2,235	302	(x)	150	89	1,462	136	163	(x)	27	12
California	35,791	13,759	10,935	1,248	400	13,874	4,759	1,019	[4] 4.75 F&D	10	9
Alaska	1,062	82	(x)	32	22	(z)	141	18	(x)	16	8
Hawaii	1,697	1,041	818	48	54	543	77	18	4 D	(6)	[7] 11

X Not applicable. Z Less than $500,000. [1] Includes amounts for types of taxes not shown separately. [2] F=food exempt from sales tax; D=prescription drugs exempt from sales tax. [3] DC excluded from total. [4] Local sales tax rates are additional. [5] An additional tax is levied at the rate of 3 percent of the retail sales price, less the current 7.5 cents per gallon tax. [6] Tax is 40 percent of wholesale price. [7] Combined State and county rates are: Hawaii 16 cents; Honolulu 22.5 cents; Kauai 15 cents; and Maui 19 cents.

Source: U.S. Bureau of the Census, *State Government Tax Collections*, series GF, No. 1, annual.

No. 462. State Government Individual Income Taxes: 1987

[As of August 1987. Only basic rates, brackets and exemptions are shown. Local income tax rates, even those mandated by the State, are not included. Taxable income rates and brackets listed below apply to single individuals and married taxpayers filing "combined separate" returns (in States where this is permitted). Alaska, Florida, Nevada, South Dakota, Texas, Washington, and Wyoming have no State income tax]

STATE	Taxable income rates (range in percent)	TAXABLE INCOME BRACKETS		PERSONAL EXEMPTIONS			SIZE OF STANDARD DEDUCTION [1]			Federal income tax deductible [2]
		Lowest: amount under	Highest: amount over	Single	Married—joint return	Dependents	Percent	Single	Married—joint return	
AL [3]	2.0-5.0	[4] $500	[4] $3,000	$1,500	$3,000	$300	20	$2,000	$4,000	Yes
AZ [5]	2.0-8.0	1,155	6,930	1,996	3,992	1,198	19.4	998	1,996	Yes [6]
AR	1.0-7.0	2,999	25,000	[7] 20	[7] 40	[7] 20	10	1,000	1,000	No
CA [5]	1.0-11.0	1,710	28,790	[7] 43	[7] 86	[7] 14	(X)	1,710	3,420	No
CO				5% of federal income tax liability						
CT				Very limited income tax [8]						
DE [3]	1.0-8.8	1,000	40,000	1,000	2,000	1,000	10	1,000	1,000	Yes [9]
DC	2.0-11.0	1,000	25,000	750	1,500	750	(X)	1,000	1,000	No
GA	1.0-6.0	750	7,000	1,500	3,000	700	[10] 15	[10] 2,300	[10] 3,000	No
HI	2.25-10	1,000	20,000	1,900	3,800	1,900	(X)	1,000	1,700	No
ID	2.0-8.2	1,000	20,000	Same as federal [11]						No
IL	2.5	Flat rate		1,000	2,000	1,000	(X)	(X)	(X)	No
IN [3]	3.4	Flat rate		1,000	2,000	1,000	(X)	(X)	(X)	No
IA [3] [5]	.5-13.0	[12] 1,023	[12] 76,725	[7] 20	[7] 40	[7] 15	[10] 15	[10] 1,200	[10] 3,000	Yes
KS	2.0-9.0	2,000	25,000	1,000	2,000	1,000	[10] 16	[10] 2,400	[10] 2,800	Yes [13]
KY [3]	2.0-6.0	3,000	8,000	[7] 20	[7] 40	[7] 20	(X)	650	650	Yes
LA	2.0-6.0	10,000	50,000	[14] 4,500	[14] 9,000	[14] 1,000	(14)	(14)	(14)	Yes
ME [5]	1.0-10.0	2,000	25,000	1,000	2,000	1,000	[10] 16	[10] 2,500	[10] 3,100	No
MD [3]	[15] 2.0-5.0	1,000	3,000	1,000	2,000	1,000	[10] 13	[10] 2,000	[10] 4,000	No
MA	5.0	Flat rate		2,200	4,400	1,000	(X)	(X)	(X)	No
MI [3]	4.6	Flat rate		1,500	3,000	1,500	(X)	(X)	(X)	No
MN [5]	1.0-9.9	310	16,800	[7] 73	[7] 146	[7] 73	10	2,500	2,500	Yes [16]
MS	3.0-5.0	5,000	10,000	6,000	9,500	1,500	15	2,300	3,400	No
MO [3]	1.5-6.0	[17] 1,000	[17] 9,000	1,200	1,200	400	(X)	Same as federal [11]		Yes
MT [5]	2.0-11.0	1,300	46,400	1,080	2,120	1,080	20	1,990	3,960	Yes
NE	2.0-5.9	1,800	27,000	1,100	2,200	1,100	(X)	2,530	3,740	No
NH				Very limited income tax [18]						
NJ	[19] 2.0-3.5	20,000	50,000	1,000	2,000	1,000	(X)	(X)	(X)	No
NM	1.8-8.5	5,200	41,600	2,000	4,000	2,000	(X)	Same as federal [11]		No
NY [3]	2.0-8.5	1,000	14,000	900	1,800	900	(X)	3,600	5,300	No
NC	3.0-7.0	2,000	10,000	1,100	[20] 2,200	800	10	550	(20)	No
ND	[21] 2.67-12	[21] 3,000	[21] 50,000	Same as federal [11]						Yes [21]
OH [3]	.751-6.9	5,000	100,000	650	1,300	650	(X)	(X)	(X)	No
OK	[22] .5-6.0	[22] 1,000	[22] 7,500	1,000	2,000	1,000	15	2,000	2,000	Yes [22]
OR [5]	5.0-9.0	2,000	5,000	[7] 85	[7] 170	[7] 85	[10] 13	[10] 1,800	[10] 3,000	Yes [23]
PA [3]	2.1	Flat rate		(X)	(X)	(X)	(X)	(X)	(X)	No
RI				23.46% of federal income tax liability						No
SC	3.0-7.0	4,000	10,000	Same as federal [11]						No
TN				Very limited income tax [24]						
UT	2.75-7.75	750	3,750	750	1,500	750	[10] 15	2,000	2,000	Yes
VT				25.8% of federal income tax liability						No
VA	2.0-5.75	3,000	14,000	700	1,400	700	15	2,000	4,000	No
WV	3.0-6.5	10,000	60,000	2,000	4,000	2,000	No deductions [25]			No
WI [5]	5.0-7.9	7,500	30,000	[7] 20	[7] 40	[7] 20	(X)	5,200	7,200	No

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X Not applicable. [1] The lesser of either (a) the percentage indicated, multiplied by adjusted gross income or (b) the dollar value listed. [2] A State provision that allows the taxpayer to deduct fully the Federal income tax payment reduces the effective marginal tax rate for persons in the highest State and Federal tax brackets by approximately one-half the nominal tax rate—the deduction is of a lesser benefit to other taxpayers. [3] States in which one or more local governments levy a local income tax. [4] Social Security (FICA) taxes are deducted from taxable income. [5] Indexed by an inflation factor. Brackets shown are for 1986. Oregon and Wisconsin are scheduled to begin indexing in 1987. 1987 inflation adjustment will be determined in the fall. [6] Limited to 46% of Federal tax liability or $475, whichever is greater. [7] Tax credit. [8] There is an income tax on interest and dividend income only. The rate of this tax ranges from 1% of interest and dividend income for taxpayers with an AGI of $54,000 to $57,999 to 12% of such income of taxpayers with an AGI over $100,000. Capital gains are taxed at 7% after an exemption of $100 is applied. [9] Federal income tax deduction limited to $300 ($600 married). [10] A minimum standard deduction exists. In instances where the percentage standard deduction is less than the minimum, the minimum deduction amount should be taken. [11] Personal exemptions on the 1987 return are $1,900 each; standard deduction for single is $2,540 and for those filing joint returns, $3,760. [12] Tax cannot reduce after-tax income of taxpayer to below $5,000. [13] FICA taxes also deductible. [14] Personal exemption and standard deduction are combined. [15] All counties have a local income tax surcharge of at least 20% of State tax liability; most counties have a surcharge of 50%. [16] Taxpayers may choose between two tax tables: whether to deduct Federal taxes or to use a lower rate. Figures shown here are lower rate option. [17] FICA taxes deductible when itemizing deductions. [18] There is a 5% tax on dividend and interest income (excluding income from savings bank deposits) in excess of $1,200 ($2,400 married.) [19] No taxpayer is subject to tax if gross income is $3,000 or less ($1,500 married, filing separately). [20] An additional exemption of $1,100 is allowed the spouse with the smallest income. Joint returns not allowed. [21] Taxpayers have the option of paying a tax of 14% of the taxpayers adjusted Federal income tax liability or using the long form with a separate schedule; taxpayers using the long form may deduct Federal income tax paid; a 10% surtax is also imposed in 1987. [22] These tax rates and brackets apply to single persons not deducting Federal income tax. For individuals deducting Federal income tax, rates range from .5% of the first $1,000 to 17% on income over $49,000. [23] Federal tax deduction limited to $7,000 ($3,500 married, filing separately). [24] Interest and dividends taxed at 6%. [25] Eliminated standard deduction; no itemized deductions are permitted.

Source: Advisory Commission on Intergovernmental Relations, Washington, DC, *Significant Features of Fiscal Federalism, 1988 Edition.*

NO. 463. GROSS REVENUE OF SELECTED STATES FROM PARIMUTUEL AND AMUSEMENT TAXES AND LOTTERIES, 1980 TO 1986, AND BY STATE, 1986

[In millions of dollars, except percent. For fiscal years; see text, section 9]

YEAR AND STATE	Gross revenue	Pari-mutuel taxes	Amusement taxes [1]	LOTTERY REVENUE Total [2]	LOTTERY REVENUE Percent for prizes	STATE	Gross revenue	Pari-mutuel taxes	Amusement taxes [1]	LOTTERY REVENUE Total [2]	LOTTERY REVENUE Percent for prizes
1980	3,153.7	731.5	234.1	2,188.1	52.3	MA	958.3	37.5	9.9	910.9	59.1
1982	4,588.3	730.5	309.9	3,546.0	52.2	MI	952.2	21.3	(x)	931.0	51.7
1983	5,859.3	729.3	366.0	4,764.0	52.1	MO	196.5	(x)	(x)	196.5	49.0
1984	7,360.1	739.4	383.7	[3] 6,237.0	52.4	NE	11.0	7.1	3.9	(x)	(x)
1985	9,227.0	693.9	411.6	[3] 8,121.5	52.1	NV	217.3	(z)	217.3	(x)	(x)
1986 [4]	**12,163.9**	**646.6**	**462.7**	**[3] 11,054.5**	**52.5**	NH	44.5	10.7	(x)	33.8	49.1
AZ	126.3	12.1	.6	113.6	48.5	NJ	1,136.4	7.6	191.6	937.1	51.8
AR	19.8	19.8	(x)	(x)	(x)	NM	4.1	2.9	1.2	(x)	(x)
CA	1,788.0	112.3	(x)	1,675.7	53.0	NY	1,296.3	90.3	1.3	1,204.7	49.7
CO	111.4	8.5	.5	102.4	60.2	OH	899.2	10.9	(x)	888.3	52.2
CT	484.3	63.9	13.8	406.6	53.6	OK	1.5	1.5	(z)	(x)	(x)
DE	38.1	.4	(x)	37.7	52.4	OR	87.8	4.7	(x)	83.1	55.0
DC	112.3	(x)	(x)	112.3	52.6	PA	1,243.8	9.3	.3	1,234.2	53.8
FL	115.7	113.1	2.6	(x)	(x)	RI	55.9	5.8	.1	50.0	53.8
IA	77.2	(x)	(x)	77.2	50.9	SC	7.4	(x)	7.4	(x)	(x)
IL	1,264.0	55.8	8.3	1,199.9	52.7	SD	3.4	3.4	(x)	(x)	(x)
KY	11.1	10.8	.3	(x)	(x)	VT	12.3	.5	(x)	11.8	52.8
LA	23.3	23.1	.2	(x)	(x)	WA	190.3	8.7	.1	161.5	49.4
ME	37.5	1.3	(x)	36.2	55.5	WV	53.0	(x)	(x)	53.0	49.5
MD	693.1	2.4	1.2	689.5	48.9						

X Not applicable. Z Less than $50,000. [1] Represents nonlicense taxes. [2] Excludes commissions. [3] Excludes DC whose lottery began in 1984: ($80.5) in 1984, ($105.5) in 1985, and ($112.3) in 1986. [4] Includes States whose gross revenues were less than $1,000,000 not shown separately.

Source: U.S. Bureau of the Census, *State Government Finances*, series GF, No. 3, annual.

NO. 464. STATE GOVERNMENT REVENUE FROM SEVERANCE TAXES, BY STATE: 1984 TO 1987

[**In millions of dollars.** For fiscal years; see text, section 9. Severance taxes are taxes imposed distinctively on the removal of natural products, such as oil, gas, other minerals, timber, and fish; from land or water and measured by value and/or quantity of products removed or sold. See source for information on particular taxes (including changes in tax rates) and additional analytical detail. For composition of regions, see fig. I, inside front cover]

REGION AND STATE	1984	1985	1986	1987	REGION AND STATE	1984	1985	1986	1987
Total	**7,266**	**7,211**	**6,038**	**4,048**	Mississippi	103.0	92.9	72.9	49.2
					Missouri	(z)	(z)	(z)	(z)
Region:					Montana	144.8	150.7	129.9	101.5
Northeast	.1	.1	.5	.1	Nebraska	4.5	4.6	4.0	2.4
Midwest	486.4	463.7	333.0	240.1	Nevada	.1	.1	(z)	(z)
South	4,338.7	4,244.9	3,232.4	2,416.3	New Hampshire	.1	.1	.5	.1
West	2,441.0	2,502.5	2,472.4	1,391.4	New Mexico	367.4	390.8	367.2	235.0
Alabama	119.5	89.6	75.1	53.3	North Carolina	1.3	1.5	1.4	1.4
Alaska	1,393.0	1,389.3	1,432.9	666.9	North Dakota	199.6	176.3	147.0	95.8
Arkansas	27.1	26.0	22.2	15.1	Ohio	6.6	8.2	9.9	9.5
California	17.5	19.1	19.2	22.8	Oklahoma	703.7	708.8	571.4	370.2
Colorado	30.0	30.4	22.6	9.7	Oregon	29.2	31.8	32.4	33.3
Florida [1]	157.8	173.2	83.9	81.3	South Dakota	8.9	4.5	5.6	5.5
Idaho	1.2	.7	.5	.4	Tennessee	3.3	2.8	2.3	1.6
Indiana	1.5	1.5	1.3	.6	Texas	2,218.8	2,175.3	1,552.1	1,181.7
Kansas	117.0	111.9	102.1	63.6	Utah	38.4	49.4	43.9	21.5
Kentucky	210.7	228.0	229.3	211.2	Virginia	1.4	1.6	1.6	1.7
Louisiana	792.1	745.2	619.7	449.6	Washington	31.1	36.2	37.0	40.5
Michigan	73.3	75.7	52.8	53.4	Wisconsin	.9	1.0	.8	1.1
Minnesota	74.1	80.0	9.5	8.3	Wyoming	388.3	404.0	387.3	259.7

Z Less than $50,000. [1] Beginning 1986, corporate excise tax ($86,995,000) was reclassified to corporate net income tax.

Source: U.S. Bureau of the Census, *State Government Tax Collections*, series GF, No. 1, annual.

NO. 465. MINIMUM DRINKING AGES—STATES: 1970 TO 1988

[As of **June.** Effective July 1, 1988, all states have 21 minimum drinking age for all beverage alcohol. Includes District of Columbia]

BEVERAGE AND AGE	NUMBER OF STATES 1970	1975	1980	1985	1986	1988	BEVERAGE AND AGE	NUMBER OF STATES 1970	1975	1980	1985	1986	1988
Distilled spirits:							Fortified wine: [1]						
18 years	3	19	8	3	2	–	18 years	5	20	7	3	2	–
19 years	1	7	13	11	7	1	19 years	1	7	14	11	7	1
20 years	4	1	5	1	1	–	20 years	4	1	5	2	2	–
21 years	43	24	25	36	41	50	21 years	41	23	25	35	40	50
Table wine:							Beer: [2]						
18 years	7	24	11	5	4	–	18 years	10	24	13	4	4	–
19 years	1	7	14	12	8	1	19 years	–	7	13	14	9	1
20 years	4	1	5	2	2	–	20 years	4	1	5	2	2	–
21 years	39	19	21	32	37	50	21 years	37	18	20	31	36	50

– Represents zero. [1] A wine having an alcohol content of 14% to 21%.
[2] Excludes 3.2% beer. Purchases of over 3.2% beer illegal in West Virginia in 1975.

Source: Distilled Spirits Council of the United States, Inc., Washington, DC, unpublished data.

No. 466. State Government Intergovernmental Expenditures, 1980 to 1986, and by State, 1986

[For **fiscal year**, see text, section 9]

YEAR, DIVISION, AND STATE	Total (mil. dol.)	Per capita [1] (dol.)	Rank	As percent of general expenditure
1980	84,504	374	(x)	37.0
1983	100,887	432	(x)	35.4
1984	108,373	459	(x)	35.0
1985	121,571	511	(x)	35.2
1986, U.S	**131,966**	**549**	(x)	**35.0**
N. Eng.: ME	428	365	42	22.4
NH	175	170	49	15.1
VT	159	294	47	15.7
MA	3,326	570	13	29.1
RI	348	357	44	18.1
CT	1,147	359	43	21.2
Mid. Atl.: NY	15,182	853	4	41.8
NJ	4,803	630	9	35.3
PA	5,364	451	21	32.9
E. No. Cent.: OH	5,537	515	16	36.0
IN	2,592	471	19	36.4
IL	4,798	415	31	29.8
MI	4,843	530	15	31.0
WI	3,286	687	7	39.0
W. No. Cent.: MN	3,124	742	6	39.8
IA	1,457	511	17	32.7
MO	1,916	378	40	31.6
ND	399	588	11	28.0
SD	195	275	48	18.9
NE	537	336	45	25.3
KS	995	404	34	30.7
So. Atl.: DE	254	401	35	19.3
MD	1,855	416	30	25.9
So. Atl.—Con.:				
VA	2,513	434	26	30.5
WV	856	446	24	27.9
NC	3,403	537	14	39.3
SC	1,429	423	28	29.7
GA	2,605	427	27	32.7
FL	5,199	445	25	40.1
E. So. Cent.: KY	1,416	380	39	26.4
TN	1,430	298	46	25.2
AL	1,563	386	38	26.5
MS	1,237	471	18	35.5
W. So. Cent.: AR	989	417	29	31.6
LA	1,867	415	32	26.1
OK	1,478	447	22	30.8
TX	6,147	368	41	32.5
Mt.: MT	320	391	37	22.9
ID	399	399	36	30.2
WY	590	1,164	2	40.0
CO	1,459	447	23	33.3
NM	1,119	757	5	36.1
AZ	1,914	584	12	40.8
UT	782	470	20	28.0
NV	590	610	10	38.4
Pac.: WA	3,011	675	8	37.2
OR	1,106	409	33	26.1
CA	24,929	923	3	49.1
AK	864	1,624	1	22.2
HI	30	28	50	1.3

X Not applicable. [1] 1980 based on enumerated resident population as of April 1; 1983–1986 based on estimated resident population as of July 1.

Source: U.S. Bureau of the Census, *Census of Governments: 1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment* (GC82(6)–4), and *State Government Finances*, series GF, No. 3, annual.

No. 467. Local Government General Revenue, by Source, 1980 to 1986, and by State, 1986

[In **millions of dollars**, for **fiscal year**, see text, section 9. Data are estimates based on sample and subject to sampling variability; see source and Appendix III]

YEAR, DIVISION, AND STATE	Total [1]	INTERGOVERNMENTAL FROM—		FROM OWN SOURCES	
		Federal	State	Total	Taxes
1980	232,453	21,136	81,289	130,027	86,387
1983	298,394	21,021	98,378	178,994	112,996
1984	323,118	20,795	105,820	196,504	123,399
1985	354,119	21,724	116,380	216,014	134,473
1986, U.S	**380,714**	**20,433**	**126,824**	**233,457**	**144,997**
N. Eng	**16,731**	**1,272**	**5,100**	**10,359**	**8,214**
ME	1,209	84	381	744	558
NH	1,092	69	136	887	764
VT	520	35	125	360	303
MA	8,847	824	3,189	4,834	3,607
RI	1,062	79	285	698	608
CT	4,001	180	984	2,836	2,373
Mid. Atl	**76,573**	**3,672**	**24,827**	**48,075**	**34,912**
NY	47,681	2,120	15,429	30,132	22,382
NJ	12,582	523	4,393	7,666	5,871
PA	16,310	1,029	5,004	10,276	6,659
E. No. Cent	**61,949**	**3,418**	**20,174**	**38,357**	**25,532**
OH	15,346	918	5,165	9,263	6,121
IN	6,932	337	2,598	3,997	2,295
IL	16,933	1,127	4,530	11,277	8,065
MI	14,775	731	4,565	9,479	6,263
WI	7,963	305	3,317	4,340	2,787
W. No. Cent	**25,763**	**1,262**	**7,933**	**16,567**	**9,337**
MN	8,510	363	3,242	4,905	2,329
IA	4,179	170	1,398	2,611	1,582
MO	5,374	355	1,434	3,585	2,227
ND	858	59	345	454	256
SD	793	67	175	551	404
NE	2,309	121	448	1,740	1,019
KS	3,740	127	891	2,721	1,519
So. Atl	**57,205**	**4,222**	**17,124**	**35,860**	**20,513**
DE	708	56	307	345	169
So. Atl.—Con.:					
MD	6,593	424	1,831	4,338	3,106
DC	3,450	1,346	(x)	2,104	1,717
VA	7,304	326	2,371	4,606	3,278
WV	2,017	96	864	1,057	481
NC	7,240	431	2,976	3,834	2,158
SC	3,304	177	1,178	1,949	957
GA	8,854	493	2,368	5,993	2,898
FL	17,736	873	5,228	11,635	5,747
E. So. Cent	**16,143**	**996**	**5,492**	**9,656**	**4,556**
KY	3,513	215	1,327	1,971	897
TN	5,232	356	1,393	3,483	1,900
AL	4,397	265	1,526	2,606	1,143
MS	3,002	160	1,245	1,597	616
W. So. Cent	**36,756**	**1,567**	**10,437**	**24,751**	**14,287**
AR	2,217	123	898	1,196	571
LA	5,856	281	1,799	3,776	2,011
OK	4,031	207	1,394	2,431	1,283
TX	24,651	955	6,347	17,349	10,422
Mt	**21,308**	**1,102**	**7,055**	**13,151**	**7,180**
MT	1,194	92	285	817	510
ID	1,064	62	411	591	312
WY	1,476	51	464	961	537
CO	5,698	231	1,464	4,002	2,508
NM	2,137	172	1,051	915	374
AZ	5,742	299	1,994	3,449	1,701
UT	2,354	116	764	1,474	786
NV	1,643	80	623	941	453
Pac	**68,286**	**2,922**	**28,682**	**36,682**	**20,467**
WA	6,821	425	2,700	3,695	1,873
OR	4,253	363	1,006	2,884	1,943
CA	54,465	1,951	24,081	28,434	15,706
AK	2,065	66	847	1,152	540
HI	681	116	49	516	405

X Not applicable. [1] Excludes duplicative intergovernmental transactions.

Source: U.S. Bureau of the Census, *Census of Governments: 1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment* (GC82(6)–4), and *Government Finances*, series GF, No. 5, annual.

No. 468. Number of Local Governments, by Type—States: 1982 and 1987

[Governments in existence in January. Limited to governments actually in existence. Excludes, therefore, a few counties and numerous townships and "incorporated places" existing as areas for which statistics can be presented as to population and other subjects, but lacking any separate organized county, township, or municipal government]

STATE	1982			1987								
	All local governmental units [1]	School district governments	Special district governments	All local governmental units	County governments	Municipal governments	Township governments [2]	School district governments	Special district governments			
									Total [1]	Natural resources	Fire protection	Housing and community development
U.S.	**81,780**	**14,851**	**28,078**	**83,186**	**3,042**	**19,200**	**16,691**	**14,721**	**29,532**	**6,360**	**5,070**	**3,464**
AL	1,018	127	390	1,053	67	436	-	129	421	69	4	156
AK	156	-	6	172	9	149	-	-	14	-	-	13
AZ	452	232	130	576	15	81	-	227	253	82	116	-
AR	1,424	372	505	1,396	75	483	-	333	505	245	33	130
CA	4,102	1,111	2,506	4,331	57	442	-	1,098	2,734	521	389	93
CO	1,544	185	1,030	1,593	62	266	-	180	1,085	188	213	58
CT	479	16	281	477	-	31	149	16	281	1	55	91
DE	217	19	139	281	3	57	-	19	202	197	-	3
DC	2	-	1	2	-	1	-	-	1	-	-	-
FL	969	95	417	965	66	390	-	95	414	133	48	98
GA	1,268	187	390	1,286	158	532	-	186	410	28	6	208
HI	18	-	14	18	3	1	-	-	14	14	-	-
ID	1,018	117	659	1,065	44	198	-	118	705	169	119	13
IL	6,467	1,049	2,602	6,627	102	1,279	1,434	1,029	2,783	913	801	114
IN	2,865	305	897	2,806	91	567	1,008	304	836	129	-	45
IA	1,871	456	361	1,877	99	955	-	451	372	234	69	15
KS	3,795	326	1,370	3,803	105	627	1,360	324	1,387	271	-	101
KY	1,241	180	517	1,303	119	437	-	178	569	127	65	24
LA	468	66	39	452	61	301	-	66	24	2	-	-
ME	806	98	195	800	16	22	471	88	203	13	-	28
MD	439	-	264	401	23	155	-	-	223	165	-	20
MA	798	81	354	836	12	39	312	82	391	16	20	249
MI	2,643	599	184	2,699	83	534	1,242	590	250	85	1	-
MN	3,529	436	356	3,555	87	855	1,798	441	374	119	-	169
MS	858	169	315	853	82	293	-	171	307	227	-	59
MO	3,117	557	1,195	3,147	114	930	325	561	1,217	155	145	172
MT	1,029	399	450	1,243	54	128	-	547	514	117	128	18
NE	3,324	1,069	1,157	3,152	93	534	454	952	1,119	110	427	134
NV	184	17	134	197	16	18	-	17	146	29	15	14
NH	517	160	113	524	10	13	221	160	120	9	15	22
NJ	1,591	548	454	1,625	21	320	247	551	486	16	172	84
NM	319	89	101	331	33	98	-	88	112	73	-	7
NY	3,249	726	923	3,302	57	618	929	720	978	2	898	-
NC	905	-	321	916	100	495	-	-	321	142	1	108
ND	2,795	325	692	2,787	53	366	1,355	310	703	83	279	34
OH	3,393	669	377	3,377	88	940	1,318	621	410	100	30	55
OK	1,702	638	406	1,802	77	591	-	636	498	110	17	119
OR	1,454	352	825	1,502	36	240	-	350	876	213	270	23
PA	5,198	514	2,050	4,956	66	1,022	1,548	515	1,805	5	1	88
RI	122	3	80	125	-	8	31	3	83	3	39	26
SC	645	92	242	707	46	269	-	92	300	46	86	43
SD	1,767	196	199	1,762	64	309	984	193	212	102	31	38
TN	913	15	469	904	94	334	-	14	462	124	-	94
TX	4,180	1,124	1,681	4,415	254	1,156	-	1,113	1,892	399	70	396
UT	504	40	211	530	29	225	-	40	236	71	13	11
VT	664	273	83	673	14	55	237	272	95	20	19	9
VA	407	-	83	430	95	229	-	-	106	43	-	-
WA	1,734	300	1,130	1,779	39	266	-	297	1,177	161	411	48
WV	633	55	292	630	55	230	-	55	290	15	-	32
WI	2,592	408	263	2,719	72	580	1,268	433	366	150	-	204
WY	395	56	225	424	23	95	-	56	250	114	44	-

- Represents zero. [1] Includes other types of governments not shown separately. [2] Includes "town" governments in the 6 New England States and in Minnesota, New York, and Wisconsin.

Source: U.S. Bureau of the Census, *Census of Governments: 1982* and *1987, Vol. 1, No. 1, Government Organization*

No. 469. County, Municipal, and Township Governments, 1987, and Their Population, 1986, by Population-Size Group

[Number of governments as of **January** 1987; population estimated as of **July** 1986. Township governments include "towns" in the 6 New England States, Minnesota, New York, and Wisconsin]

POPULATION-SIZE GROUP	COUNTY GOVERNMENTS			MUNICIPAL GOVERNMENTS			TOWNSHIP GOVERNMENTS		
	Number, 1987	Population, 1986		Number, 1987	Population, 1986		Number, 1987	Population, 1986	
		Number (1,000)	Percent		Number (1,000)	Percent		Number (1,000)	Percent
Total	**3,042**	**217,397**	**100.0**	**19,200**	**149,864**	**100.0**	**16,691**	**52,065**	**100.0**
250,000 or more	167	113,164	52.1	61	44,059	29.4	4	1,744	3.4
100,000–249,999	231	35,559	16.4	122	17,882	11.9	29	4,015	7.7
50,000–99,999	387	27,279	12.6	285	19,522	13.0	74	4,989	9.6
25,000–49,999	616	21,807	10.0	561	19,366	13.0	233	7,832	15.1
10,000–24,999	943	15,580	7.2	1,303	20,425	13.6	706	10,899	20.9
5,000–9,999	698	4,007	1.9	1,544	10,950	7.3	1,005	7,021	13.5
2,500–4,999				2,151	7,646	5.1	1,775	6,215	11.9
1,000–2,499				3,804	6,061	4.1	3,722	5,958	11.4
Less than 1,000				9,369	3,933	2.6	9,143	3,392	6.5

Source: U.S. Bureau of the Census, *Census of Governments: 1987, Vol. 1, No. 1, Government Organization.*

No. 470. County Governments—Summary of Finances, 1980 to 1986, and Per Capita, by Population-Size Group, 1986

[Covers fiscal years ending between **July** 1 of preceding year and **June** 30 of year stated. Represents all counties and their dependent agencies (including dependent school systems where applicable). Per capita based on estimated resident population as of **July** 1986]

ITEM	ALL COUNTIES (mil. dol.) [1]					PER CAPITA (dollars), 1986					
						All counties		Counties with 1986 population (1,000) of—			
	1980	1983	1984	1985	1986	Total (3,042) [2]	Percent distribution	Less than 100 [3] (2,655) [2]	100-199.9 (179) [2]	200-299.9 (75) [2]	300 or more (133) [2]
General revenue	**54,573**	**70,577**	**77,182**	**85,500**	**92,850**	**427.10**	**100.0**	**397.33**	**364.99**	**360.40**	**473.91**
Intergovernmental revenue [4]	24,746	27,773	29,779	32,614	34,791	160.03	37.5	146.00	131.84	134.25	180.89
From State government	18,969	22,756	24,690	26,716	29,490	135.65	31.8	124.72	111.38	112.15	153.06
From Federal government	4,948	4,048	4,047	4,708	3,954	18.19	4.3	16.55	15.86	17.75	19.94
General revenue sharing	1,746	1,736	1,723	1,749	1,714	7.88	1.8	9.60	7.21	6.30	7.17
Tax revenue [4]	18,813	25,218	27,901	30,898	34,062	156.68	36.7	132.25	137.19	124.91	183.36
Property	14,300	19,609	21,343	23,193	25,366	116.68	27.3	98.53	101.83	91.36	136.99
Charges and miscellaneous	11,014	17,587	19,502	21,988	23,997	110.39	25.8	119.11	95.93	101.24	109.66
General expenditure	**54,291**	**69,133**	**74,247**	**80,948**	**89,372**	**411.10**	**100.0**	**377.02**	**360.63**	**350.74**	**456.85**
Capital outlay	6,505	6,562	6,912	7,603	8,738	40.19	9.8	34.81	35.48	30.51	46.68
Other	47,786	62,572	67,335	73,345	80,634	370.91	90.2	342.21	325.15	320.23	410.17
Public welfare	8,591	10,442	11,276	12,237	13,236	60.88	14.8	33.26	46.73	66.50	81.90
Education	8,412	10,083	10,744	11,683	12,777	58.77	14.3	77.57	76.58	34.31	46.14
Highways	5,227	6,142	6,460	7,008	7,566	34.80	8.5	55.25	31.51	26.22	23.37
Hospitals	5,975	8,101	8,647	9,005	9,350	43.01	10.5	47.32	21.40	29.86	47.69
General control	3,374	4,826	5,119	5,566	6,195	28.50	6.9	23.43	24.46	26.22	33.29
Police protection	2,661	3,736	4,015	4,392	4,810	22.13	5.4	19.19	20.14	17.32	25.43
Financial administration	1,521	2,018	2,191	2,410	2,619	12.05	2.9	12.27	11.18	11.29	12.25
General public buildings	1,072	1,237	1,347	1,489	1,522	7.00	1.7	7.03	6.22	6.84	7.20
Health	2,806	4,098	4,341	4,794	5,395	24.82	6.0	21.41	25.13	26.93	26.66
Correction	1,759	2,766	3,118	3,466	4,045	18.61	4.5	(5)	(5)	(5)	(5)
Natural resources	667	789	854	1,033	1,077	4.95	1.2	4.52	2.58	1.95	6.35
Parks and recreation	1,094	1,351	1,390	1,506	1,775	8.16	2.0	3.94	5.19	5.21	12.25
Interest on general debt	1,542	3,235	4,004	4,652	5,475	25.18	6.1	21.24	22.32	21.33	29.22
Other and unallocable	9,570	10,309	10,741	11,709	13,531	62.24	15.1	50.59	67.19	76.76	105.09
Debt outstanding, end of year	**32,993**	**55,277**	**63,081**	**72,260**	**85,885**	**395.06**	**100.0**	**327.38**	**358.85**	**317.14**	**463.19**
Long-term	31,543	52,304	60,442	69,192	82,828	381.00	96.4	321.34	353.34	302.75	441.72
Short-term	1,450	2,973	2,638	3,068	3,056	14.06	3.6	6.03	5.51	14.39	21.48

[1] Data for counties under 100,000 population are estimates subject to sampling variation; see Appendix III and source. [2] Figures in parentheses represent number of counties in each size group. [3] Estimated. [4] Includes other revenues not shown separately. [5] Included in other and unallocable.

Source: U.S. Bureau of the Census, *County Government Finances,* series GF, No. 8, annual.

No. 471. City Governments—Summary of Finances: 1980 to 1986

[For fiscal years ending in year shown; see text, section 9. Data revised since originally published and may not agree, therefore, with table 474. Represents all municipalities and their dependent agencies (including dependent school systems when applicable); excludes other local governments overlying city areas. Includes sample-based estimates for cities of less than 50,000; thus subject to sampling variation. See Appendix III and source]

ITEM	TOTAL (mil. dol.)			PER CAPITA [1] (dol.)			PERCENT DISTRIBUTION		
	1980	1985	1986	1980	1985	1986	1980	1985	1986
Revenue	**94,852**	**147,672**	**158,886**	**672**	**1,007**	**1,060**	**100.0**	**100.0**	**100.0**
General revenue	76,056	114,649	122,100	539	781	815	80.2	77.6	76.8
Intergovernmental revenue	28,270	35,859	37,131	200	244	248	29.8	24.3	23.4
From State governments only	15,939	23,103	24,626	113	157	164	16.8	15.6	15.5
Taxes	31,256	47,647	50,859	222	325	339	32.9	32.3	32.0
Property	16,859	23,459	25,061	119	160	167	17.8	15.9	15.8
Percent of total taxes	53.9	49.2	49.3	(x)	(x)	(x)	(x)	(x)	(x)
Sales and gross receipts	8,208	13,877	14,644	58	95	98	8.7	9.4	9.2
General	5,096	8,569	9,021	36	58	60	5.4	5.8	5.7
Selective	3,112	5,307	5,623	22	38	38	3.3	3.6	3.5
Income, licenses and other	6,189	10,312	11,154	44	70	74	6.5	7.0	7.0
Charges and miscellaneous	16,530	31,142	34,110	117	212	228	17.4	21.1	21.5
Current charges only	9,875	16,514	18,072	70	113	121	10.4	11.2	11.4
Utility and liquor store revenue	15,719	26,471	27,822	111	180	186	16.6	17.9	17.5
Water system	4,989	8,504	9,203	35	58	61	5.3	5.8	5.8
Electric power system	8,007	13,363	14,204	57	91	95	8.4	9.0	8.9
Gas supply system	1,444	2,796	2,570	10	19	17	1.5	1.9	1.6
Transit system	1,032	1,548	1,578	7	11	11	1.1	1.0	1.0
Liquor stores	247	260	267	2	2	2	.3	.2	.2
Insurance trust revenue	3,086	6,552	8,965	22	45	60	3.3	4.4	5.6
Expenditure	**93,699**	**140,000**	**152,181**	**664**	**954**	**1,015**	**100.0**	**100.0**	**100.0**
General expenditure	72,433	105,652	114,864	513	720	766	77.3	75.5	75.5
Police protection	8,200	12,574	13,637	58	86	91	8.8	9.0	9.0
Fire protection	4,535	6,796	7,303	32	46	49	4.8	4.9	4.8
Highways	5,977	8,709	9,336	42	59	62	6.4	6.2	6.1
Sewerage and other sanitation	7,907	11,446	12,359	56	78	82	8.4	8.2	8.1
Public welfare	3,801	5,762	6,254	27	39	42	4.1	4.1	4.1
Education	9,264	11,433	12,361	66	78	82	9.9	8.2	8.1
Libraries	883	1,304	1,446	6	9	10	.9	.9	1.0
Health and hospitals	4,457	6,575	7,056	32	45	47	4.8	4.7	4.6
Parks and recreation	3,433	4,993	5,430	24	34	36	3.7	3.6	3.6
Housing and community development	3,459	5,105	5,556	25	35	37	3.7	3.6	3.7
Airports	1,100	1,694	1,976	8	12	13	1.2	1.2	1.3
Financial administration	1,843	2,703	3,059	13	18	20	2.0	1.9	2.0
General control	2,015	3,401	3,758	14	23	25	2.2	2.4	2.5
General public buildings	1,090	1,483	1,433	8	10	10	1.2	1.1	.9
Interest on general debt	3,054	6,859	8,097	22	47	54	3.3	4.9	5.3
Other and unallocable	11,395	14,814	15,806	81	101	105	12.2	10.6	10.4
Utility and liquor store expenditure	18,274	29,534	32,141	130	201	214	19.5	21.1	21.1
Water system	5,933	9,601	10,641	42	65	71	6.3	6.9	7.0
Electric power system	8,596	13,588	14,978	61	93	100	9.2	9.7	9.8
Gas supply system	1,334	2,724	2,582	9	19	17	1.4	1.9	1.7
Transit system	2,189	3,381	3,698	16	23	25	2.3	2.4	2.4
Liquor stores	222	240	243	2	2	2	.2	.2	.2
Insurance trust expenditure	2,993	4,814	5,175	21	33	35	3.2	3.4	3.4
By character and object:									
Direct expenditure	91,692	136,601	147,961	650	931	987	97.9	97.6	97.2
Current operation	66,687	99,301	106,330	473	677	709	71.2	70.9	69.9
Capital outlay	16,285	21,374	23,878	115	146	159	17.4	15.3	15.7
Construction	13,341	16,638	17,693	95	113	118	14.2	11.9	11.6
Land and existing structures [2]	2,944	4,736	6,185	21	32	41	3.1	3.4	4.1
Assistance payments	1,546	2,060	2,093	11	14	14	1.6	1.5	1.4
Interest on debt	4,182	9,052	10,485	30	62	70	4.5	6.5	6.9
Insurance benefits, repayments	2,992	4,814	5,175	21	33	35	3.2	3.4	3.4
Intergovernmental expenditure	2,007	3,399	4,220	14	23	28	2.1	2.4	2.8
Total salaries and wages [3]	*34,709*	*48,050*	*51,837*	*246*	*328*	*346*	*37.0*	*34.3*	*34.1*
Debt outstanding, year end	**86,019**	**141,139**	**164,796**	**610**	**961**	**1,099**	**100.0**	**100.0**	**100.0**
Long-term	82,346	135,912	159,142	584	926	1,062	95.7	96.3	96.6
Full faith and credit	39,570	46,345	51,583	280	316	344	46.0	32.8	31.3
Nonguaranteed	42,776	89,567	107,560	303	611	718	49.7	63.5	65.3
Short-term	3,673	5,227	5,654	26	36	38	4.3	3.7	3.4
Net long-term debt outstanding	72,526	124,516	144,075	514	849	961	84.3	88.2	87.4
Long-term debt issued	12,582	25,683	41,198	89	175	275	(x)	(X)	(X)
Long-term debt retired	5,541	11,397	18,060	39	78	120	(x)	(X)	(X)

X Not applicable. [1] 1980 based on enumerated resident population as of April 1, 1980; 1985 and 1986 based on estimated resident population as of July 1, 1984 and 1986 respectively. [2] Includes equipment. [3] Included in items shown above.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF No. 4, annual.

No. 472. City Governments—Total and Per Capita Revenue, Expenditure, and Debt for Largest Cities: 1986

[For **fiscal year** closed in the 12 months **ending June 30, 1986.** Cities ranked by size of population estimated as of July 1, 1986, except Honolulu and Baton Rouge ranked by county population. Data reflect inclusion of fiscal activity of dependent school systems, where applicable. Intercity comparisons should be made with caution due to variations in responsibilities among urban areas; for details see text, section 9 and source]

CITIES RANKED BY 1986 POPULATION	GENERAL REVENUE		INTERGOVERNMENTAL REVENUE		TAXES		GENERAL EXPENDITURE		GROSS DEBT OUTSTANDING	
	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)
New York City, NY [2]	24,333	3,350	9,616	1,324	11,241	1,548	22,253	3,064	15,717	2,164
Los Angeles, CA	2,538	779	510	156	1,266	388	2,135	655	4,368	1,340
Chicago, IL	2,275	756	638	212	1,192	396	2,211	735	2,904	965
Houston, TX	1,262	730	145	84	611	354	1,219	705	2,589	1,498
Philadelphia, PA [2]	2,101	1,279	516	314	1,231	749	1,923	1,170	3,128	1,904
Detroit, MI	1,456	1,341	698	642	515	474	1,194	1,099	1,058	974
San Diego, CA	713	702	176	173	242	238	584	575	1,362	1,342
Dallas, TX	736	733	119	118	412	411	619	617	972	969
San Antonio, TX	465	509	89	98	148	162	468	512	2,700	2,953
Phoenix, AZ	763	854	266	297	215	241	794	888	1,761	1,970
Honolulu, HI [2]	503	615	119	145	296	362	485	594	425	521
Baltimore, MD [2]	1,425	1,892	734	975	498	661	1,195	1,588	1,252	1,663
San Francisco, CA [2]	1,857	2,480	628	838	646	862	1,463	1,954	1,824	2,435
Indianapolis, IN [2]	592	823	213	296	227	315	538	748	488	679
San Jose, CA	495	695	88	123	239	336	478	671	724	1,016
Memphis, TN	686	1,051	424	650	144	221	622	954	825	1,264
Washington, DC [2]	3,107	4,963	1,039	1,660	1,717	2,743	3,040	4,856	2,664	4,255
Jacksonville, FL [2]	835	1,041	114	187	149	244	434	711	3,086	5,058
Milwaukee, WI	499	824	243	402	128	212	432	714	557	921
Boston, MA [2]	1,221	2,129	585	1,019	448	781	977	1,704	689	1,202
Columbus, OH	371	655	72	128	185	327	350	619	905	1,599
New Orleans, LA [2]	566	1,021	129	232	237	428	549	990	903	1,628
Cleveland, OH	446	833	135	253	219	409	450	840	487	909
Denver, CO [2]	786	1,556	171	339	291	577	711	1,407	1,106	2,190
El Paso, TX	222	451	51	103	75	153	192	390	387	786
Seattle, WA	472	971	94	194	228	468	425	874	704	1,448
Nashville-Davidson, TN [2]	677	1,430	153	324	323	681	646	1,365	1,886	3,982
Austin, TX	439	940	53	114	138	295	472	1,013	1,814	3,889
Oklahoma City, OK	315	705	35	78	124	278	253	566	368	826
Kansas City, MO	462	1,047	71	162	247	560	425	962	456	1,034
Fort Worth, TX	283	660	38	88	135	314	258	601	628	1,462
St. Louis, MO [2]	469	1,100	89	209	257	602	434	1,017	483	1,133
Atlanta, GA	528	1,252	125	296	155	368	438	1,038	1,060	2,511
Long Beach, CA	475	1,197	94	237	125	317	452	1,141	519	1,311
Portland, OR	298	768	62	161	132	340	308	794	561	1,446
Pittsburgh, PA	324	836	90	231	195	502	314	810	447	1,152
Miami, FL	274	733	57	152	163	437	253	675	263	702
Tulsa, OK	360	963	32	85	139	373	336	899	1,298	3,472
Cincinnati, OH	370	1,001	82	222	161	435	353	954	197	533
Baton Rouge, LA [2]	322	873	77	209	132	357	278	752	642	1,739
Albuquerque, NM	393	1,071	145	396	81	221	360	981	938	2,556
Tucson, AZ	301	839	110	308	103	287	291	810	808	2,250
Oakland, CA	378	1,059	74	206	144	403	346	970	1,042	2,918
Minneapolis, MN	617	1,730	163	457	128	358	451	1,263	1,936	5,425
Charlotte, NC	249	706	68	194	95	271	217	617	419	1,190
Omaha, NE	193	552	46	131	108	309	189	540	177	506
Toledo, OH	200	586	39	113	110	322	181	532	185	544
Virginia Beach, VA [2]	408	1,224	151	454	198	595	386	1,158	347	1,040
Buffalo, NY	526	1,620	350	1,079	109	336	518	1,595	260	800
Sacramento, CA	192	593	32	100	96	295	189	584	150	462
Newark, NJ	314	993	196	621	67	212	280	885	141	446
Wichita, KS	234	811	37	130	65	227	221	767	420	1,458
Louisville, KY	185	643	40	140	100	347	176	613	609	2,119
Fresno, CA	152	533	36	128	65	228	143	503	207	727
Tampa, FL	222	799	50	180	80	288	265	955	661	2,380
Birmingham, AL	222	801	37	132	121	435	218	786	486	1,750
Norfolk, VA [2]	387	1,409	152	553	156	569	410	1,491	414	1,506
Colorado Springs, CO	213	781	28	104	73	269	155	567	275	1,007
Corpus Christi, TX	141	533	26	97	64	244	143	541	353	1,339
St. Paul, NM	272	1,031	84	317	71	269	300	1,139	908	3,445
Mesa, AZ	135	537	37	148	38	149	145	578	378	1,504
Arlington, TX	108	432	8	32	57	229	120	480	369	1,476
Anaheim, CA	160	666	27	110	61	254	175	728	537	2,230
St. Petersburg, FL	140	585	29	121	47	195	127	531	217	906
Santa Ana, CA	134	564	29	121	66	280	168	708	409	1,729
Rochester, NY	389	1,650	216	917	125	528	406	1,720	209	886
Anchorage, AK [2]	642	2,733	294	1,250	136	579	681	2,898	914	3,888
Akron, OH	185	835	57	256	80	359	166	748	135	608
Shreveport, LA	132	600	15	69	74	334	134	608	310	1,405
Jersey City, NJ	388	1,758	222	1,013	86	392	392	1,787	134	613
Aurora, CO	124	567	11	52	80	368	99	456	486	2,230
Richmond, VA [2]	398	1,830	159	731	191	878	417	1,916	400	1,840
Lexington-Fayette, KY [2]	148	694	35	163	74	346	140	654	363	1,700
Jackson, MS	118	565	54	261	31	149	123	591	226	1,084
Mobile, Al	138	681	11	56	68	336	102	504	526	2,599

[1] Based on estimated population as of July 1, 1986. [2] Represents, in effect, city-county consolidated government.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF86, No. 4, annual.

No. 473. City Governments—Finances,

[In millions of dollars. For fiscal year closed

CITIES RANKED BY 1986[1] POPULATION	REVENUE								Gross debt outstanding
	Total[2]	General revenue						Utility revenue	
		Total[2]	Intergovernmental revenue		Taxes				
			From State and local govt's.	From Federal Government	Total[2]	Property	Sales and gross receipts		
New York City, NY[3]	29,399	24,333	8,293.5	1,322.9	11,240.8	4,640.8	2,756.3	1,527.4	15,717
Los Angeles, CA	4,800	2,538	328.4	181.5	1,266.2	441.1	575.6	1,552.3	4,388
Chicago, IL	2,829	2,275	346.8	291.1	1,191.9	408.1	652.0	174.3	2,904
Houston, TX	1,620	1,262	51.4	93.3	611.2	349.8	245.3	153.3	2,589
Philadelphia, PA[3]	2,725	2,101	351.5	164.3	1,231.3	243.5	25.0	560.9	3,128
Detroit, MI	1,906	1,456	546.2	151.6	515.1	177.6	56.5	131.9	1,058
San Diego, CA	869	713	106.8	68.8	241.7	84.2	134.9	87.8	1,382
Dallas, TX	926	736	89.3	29.6	412.5	215.7	181.8	106.4	972
San Antonio, TX	1,351	465	23.1	66.2	148.1	71.3	70.9	864.8	2,700
Phoenix, AZ	871	763	182.2	83.5	215.1	74.8	126.3	74.3	1,781
Honolulu, HI[3]	561	503	24.6	94.1	295.8	242.9	31.7	58.7	425
Baltimore, MD[3]	1,624	1,425	610.2	124.1	497.8	333.2	36.7	41.5	1,252
San Francisco, CA[3]	2,411	1,857	495.6	132.3	645.8	335.3	151.0	211.1	1,824
Indianapolis, IN[3]	614	592	147.2	65.5	227.1	196.1	12.6	8.3	488
San Jose, CA	564	495	58.8	28.8	239.3	83.1	105.5	5.6	724
Memphis, TN	1,475	686	375.2	48.8	144.1	106.5	26.6	694.5	825
Washington, DC[3]	3,445	3,107	34.3	1,004.8	1,717.2	484.1	526.8	51.7	2,864
Jacksonville, FL[3]	1,173	835	70.0	44.3	148.9	107.9	32.8	495.0	3,086
Milwaukee, WI	634	499	206.8	36.4	128.2	120.4	2.4	34.7	557
Boston, MA[3]	1,321	1,221	518.4	66.3	448.1	397.3	31.3	28.4	689
Columbus, OH	438	371	38.1	34.4	185.1	14.6	3.6	67.4	905
New Orleans, LA[3]	634	566	46.0	82.8	237.1	89.9	135.5	44.3	903
Cleveland, OH	562	446	48.1	87.2	219.2	43.4	1.9	115.6	487
Denver, CO[3]	887	786	134.6	36.8	291.2	90.1	177.4	68.4	1,106
El Paso, TX	270	222	6.8	44.0	75.3	41.1	31.5	28.2	387
Seattle, WA	774	472	64.3	30.1	227.7	71.9	103.8	261.7	704
Nashville-Davidson, TN[3]	1,178	677	125.3	28.1	322.6	165.7	130.4	462.2	1,886
Austin, TX	880	439	21.5	31.5	137.7	73.1	57.6	403.5	1,814
Oklahoma City, OK	350	315	5.8	29.1	124.2	20.4	99.5	27.4	388
Kansas City, MO	536	462	26.6	44.8	247.2	31.0	115.1	33.4	458
Fort Worth, TX	368	283	9.7	28.0	135.0	77.9	51.7	54.7	628
St. Louis, MO[3]	546	469	28.9	60.3	256.7	33.5	115.5	19.7	483
Atlanta, GA	639	528	65.1	59.7	155.1	78.2	51.6	59.7	1,080
Long Beach, CA	621	475	58.5	35.3	125.4	48.9	63.0	145.2	519
Portland, OR	334	298	38.6	23.9	131.8	94.7	23.3	33.1	561
Pittsburgh, PA	338	324	53.9	35.7	194.7	90.4	15.7	-	447
Miami, FL	319	274	32.3	24.4	163.4	102.1	47.5	-	263
Tulsa, OK	404	360	13.6	18.1	139.3	15.9	125.9	34.9	1,289
Cincinnati, OH	507	370	40.4	41.8	160.9	33.0	1.6	38.2	197
Baton Rouge, LA[3]	357	322	42.4	34.7	131.8	35.7	87.9	3.0	642
Albuquerque, NM	430	393	90.1	55.1	81.1	36.6	40.1	37.2	939
Tucson, AZ	370	301	78.3	32.2	102.9	14.9	82.2	51.5	608
Oakland, CA	403	378	46.7	26.9	143.8	64.0	51.4	-	1,042
Minneapolis, MN	747	617	111.4	51.8	127.8	107.5	12.4	22.4	1,936
Charlotte, NC	280	249	47.6	20.6	95.3	91.4	-	22.4	419
Omaha, NE	215	193	22.5	23.2	107.8	50.3	50.1	-	177
Toledo, OH	217	200	20.3	18.3	109.8	10.9	.6	17.6	185
Virginia Beach, VA[3]	430	408	135.8	15.6	198.5	119.2	57.5	21.6	347
Buffalo, NY	542	526	276.9	73.6	109.1	96.6	9.4	15.6	280
Sacramento, CA	244	192	24.4	7.8	95.6	29.9	52.2	13.7	150
Newark, NJ	345	314	162.6	33.9	67.1	43.9	6.5	29.1	141
Wichita, KS	251	234	22.4	15.0	65.4	46.3	16.7	16.8	480
Louisville, KY	248	185	8.6	31.6	99.7	29.6	12.7	43.9	608
Fresno, CA	201	152	28.2	8.3	64.8	22.5	33.7	13.3	207
Tampa, FL	289	222	27.6	22.3	79.8	27.2	46.0	23.1	661
Birmingham, AL	254	222	17.0	19.6	120.8	19.2	43.7	-	486
Norfolk, VA[3]	440	387	124.2	27.9	156.5	80.9	58.1	24.3	414
Colorado Springs, CO	468	213	16.6	11.8	73.4	12.7	59.4	253.4	275
Corpus Christi, TX	190	141	8.5	17.0	64.5	36.7	26.7	49.7	353
St. Paul, MN	329	272	59.4	24.1	70.9	51.4	16.3	19.2	609
Mesa, AZ	189	135	30.9	6.3	37.5	2.6	31.9	54.3	378
Arlington, TX	133	108	1.4	6.6	57.3	29.2	26.2	25.3	369
Anaheim, CA	358	160	20.9	5.6	61.3	24.5	46.2	197.6	537
St. Petersburg, FL	184	140	16.4	12.5	46.7	24.5	20.1	30.5	217
Santa Ana, CA	147	134	21.6	7.1	66.3	24.7	32.9	13.3	466
Rochester, NY	410	389	180.7	35.8	124.6	104.8	9.6	20.6	289
Anchorage, AK[3]	738	642	278.6	15.2	136.1	120.7	3.5	72.2	914
Akron, OH	204	185	19.1	37.8	79.8	12.0	.2	18.2	135
Shreveport, LA	153	132	5.3	9.8	73.7	27.1	42.5	14.2	310
Jersey City, NJ	409	386	169.1	53.3	66.1	83.9	-	18.5	134

- Represents zero. Z Less than $50,000. [1] Based on estimated resident population as of July 1, 1986.
[2] Includes other categories, not shown separately. [3] Represents, in effect, city-county consolidated government.

LARGEST CITIES: 1986

in the 12 months ending June 30, 1986. See headnote, table 472]

EXPENDITURE										
	General expenditure									
Total ²	Total ²	Education	Housing and community development	Public welfare	Health and hospitals	Police protection	Fire protection	Highways	Utility expenditure	CITIES RANKED BY 1986 ¹ POPULATION
27,092	22,253	4,717.1	1,408.2	4,588.0	2,338.3	1,279.0	590.0	592.0	2,862.2	New York City, NY ³
4,175	2,135	7.4	162.0	-	4.9	426.3	177.1	107.2	1,615.2	Los Angeles, CA
2,567	2,211	30.3	136.5	80.5	53.6	485.1	182.3	159.3	134.0	Chicago, IL
1,469	1,219	-	15.6	-	37.0	207.5	132.0	99.3	210.4	Houston, TX
2,690	1,923	15.8	99.9	114.4	180.9	251.9	97.0	58.1	591.1	Philadelphia, PA ³
1,592	1,194	5.5	99.1	-	74.6	214.4	62.7	123.9	218.5	Detroit, MI
745	584	-	62.1	(z)	.2	90.1	40.8	34.5	121.3	San Diego, CA
850	619	-	10.8	-	9.4	114.3	62.3	66.4	181.4	Dallas, TX
1,541	468	3.9	13.0	3.4	22.7	57.2	29.5	31.6	1,064.8	San Antonio, TX
928	794	5.7	41.1	.5	.4	105.4	49.9	122.2	123.1	Phoenix, AZ
609	485	-	36.9	-	5.8	68.6	31.1	35.0	123.9	Honolulu, HI ³
1,304	1,195	378.6	42.8	.5	39.7	125.2	60.6	68.3	57.4	Baltimore, MD ³
1,968	1,463	38.5	43.7	174.6	295.9	118.4	66.6	15.7	349.8	San Francisco, CA ³
607	538	.4	28.8	54.8	108.6	53.4	23.1	30.6	45.8	Indianapolis, IN ³
502	478	-	81.1	-	-	61.7	36.9	38.9	6.9	San Jose, CA
1,360	622	292.4	18.3	(z)	12.3	54.2	45.4	15.4	697.9	Memphis, TN
3,349	3,040	501.9	170.6	526.6	282.0	212.0	72.0	91.6	59.3	Washington, DC ³
1,355	434	(z)	35.5	8.0	26.3	49.7	32.9	26.3	898.2	Jacksonville, FL ³
512	432	-	31.4	-	14.8	84.3	41.5	46.9	32.7	Milwaukee, WI
1,140	977	307.0	56.8	2.4	122.0	87.2	61.1	24.4	28.2	Boston, MA ³
427	350	-	10.8	-	14.9	67.6	39.0	35.7	77.2	Columbus, OH
610	549	-	37.9	12.3	8.8	65.5	31.7	37.6	39.3	New Orleans, LA ³
603	450	-	42.6	.9	13.0	99.6	53.0	32.9	153.2	Cleveland, OH
821	711	-	9.8	63.8	93.7	83.2	40.7	32.1	100.7	Denver, CO ³
241	192	.1	2.8	.2	7.5	26.9	16.9	23.2	41.8	El Paso, TX
752	425	-	28.3	-	6.3	58.4	38.0	17.2	282.6	Seattle, WA
1,193	646	213.1	7.3	6.7	50.7	42.5	22.6	26.1	515.4	Nashville-Davidson, TN ³
1,047	472	.7	9.4	.8	93.3	41.0	23.8	32.7	563.5	Austin, TX
293	253	-	15.4	-	40.1	28.5	23.5	13.5	35.7	Oklahoma City, OK
476	425	21.0	13.1	-	27.8	65.6	29.9	39.2	35.4	Kansas City, MO
345	258	-	5.5	-	6.0	35.1	25.9	37.2	74.4	Fort Worth, TX
484	434	3.1	33.5	2.2	43.8	75.2	22.4	26.7	20.8	St Louis, MO ³
561	438	24.1	16.2	3.7	.2	40.9	28.8	22.1	55.9	Atlanta, GA
620	452	2.1	54.5	-	6.9	65.2	39.7	20.6	167.3	Long Beach, CA
369	308	-	11.7	-	14.8	49.4	35.1	18.6	37.5	Portland, OR
354	314	-	20.5	(z)	6.2	46.9	35.1	26.3	13.7	Pittsburgh, PA
274	253	.2	14.2	1.9	.5	56.6	33.8	17.0	-	Miami, FL
405	336	.1	6.9	-	3.7	37.0	25.5	42.5	67.0	Tulsa, OK
419	353	-	40.4	-	24.5	47.6	36.8	25.4	36.7	Cincinnati, OH
296	278	-	4.4	.7	18.6	24.4	13.5	18.2	5.1	Baton Rouge, LA ³
420	360	-	13.9	-	3.9	39.0	12.7	27.0	60.5	Albuquerque, NM
380	291	-	16.7	3.7	-	37.2	20.9	44.9	65.6	Tucson, AZ
380	346	1.5	25.4	-	.5	47.5	29.4	15.8	-	Oakland, CA
528	451	-	67.5	-	7.8	38.5	24.1	39.1	19.5	Minneapolis, MN
273	217	-	10.6	.1	1.4	25.7	18.9	27.5	54.3	Charlotte, NC
196	189	.1	8.6	-	.4	25.7	19.6	28.7	-	Omaha, NE
199	181	-	7.7	-	4.0	40.6	26.1	18.2	18.3	Toledo, OH
412	386	186.0	.3	8.7	8.8	24.4	13.8	30.8	25.8	Virginia Beach, VA ³
533	518	233.2	51.7	-	.9	33.0	26.8	22.5	15.0	Buffalo, NY
216	189	-	2.4	-	-	42.2	25.7	30.4	12.5	Sacramento, CA
302	280	-	29.4	33.7	5.4	41.0	30.2	1.1	15.5	Newark, NJ
239	221	-	.2	-	1.7	17.9	10.3	10.7	18.5	Wichita, KS
229	176	-	8.4	6.4	6.5	29.8	18.8	6.4	46.2	Louisville, KY
184	143	-	3.9	-	2.3	34.5	16.9	16.1	24.4	Fresno, CA
310	265	-	5.8	-	(z)	31.3	16.2	14.1	28.0	Tampa, FL
229	218	3.3	10.8	-	1.7	23.0	21.0	22.8	-	Birmingham, AL
444	410	145.0	34.9	21.6	22.7	22.9	17.9	18.3	26.1	Norfolk, VA ³
398	155	-	.6	.6	46.9	19.5	11.5	15.3	241.6	Colorado Springs, CO
195	143	-	1.2	.2	4.4	16.3	10.5	16.4	51.9	Corpus Christi, TX
325	300	-	20.0	-	5.5	24.3	18.8	33.4	14.6	St. Paul, MN
231	145	-	4.8	.1	-	22.1	14.0	21.8	56.1	Mesa, AZ
157	120	-	.1	4.5	1.2	13.1	10.7	25.3	36.6	Arlington, TX
381	175	-	33.7	-	-	27.9	13.6	9.8	205.9	Anaheim, CA
177	127	-	4.2	-	-	25.0	10.1	11.2	40.2	St. Petersburg, FL
183	168	-	58.4	-	1.9	31.5	14.0	14.6	14.9	Santa Ana, CA
423	406	187.9	16.3	-	-	27.9	20.6	27.1	16.7	Rochester, NY
819	681	271.5	-	9.7	18.8	34.2	28.8	36.4	135.6	Anchorage, AK ³
188	166	-	27.3	-	3.9	21.3	18.3	22.6	22.4	Akron, OH
165	134	-	3.9	-	(z)	13.9	14.7	21.2	24.2	Shreveport, LA
409	392	149.9	14.6	5.0	74.5	36.2	26.0	5.9	13.4	Jersey City, NJ

Source: U.S. Bureau of the Census, *City Government Finances*, series GF, No. 4, annual.

No. 474. City Governments—Finances, by Population-Size Groups: 1986

[For fiscal year closed in the 12 months ending June 30, 1986. Represents all municipalities and their dependent agencies, including dependent school systems where applicable]

ITEM	All cities [1]	CITIES HAVING A 1986 POPULATION OF—						
		Less than 50,000 [1]	50,000 to 99,999	100,000 to 199,999	200,000 to 299,999	300,000 to 499,999	500,000 to 999,999	1,000,000 or more
Number of cities, 1986	19,200	18,769	248	108	24	27	16	8
Population, 1986 (1,000)	149,890	70,446	17,504	14,721	5,902	10,521	10,788	20,008
FINANCES, 1986 (mil. dol.)								
General revenue [2]	**122,049**	**33,919**	**11,653**	**11,326**	**5,263**	**10,056**	**14,417**	**35,415**
Taxes [2]	50,873	12,832	4,959	4,628	1,944	4,011	5,788	16,711
Property	25,061	7,341	2,995	2,800	895	1,678	2,791	6,561
Percent of total taxes	49.3	57.2	60.4	60.5	46.0	41.8	48.2	39.3
Sales and gross receipts	14,657	3,632	1,388	1,334	681	1,522	1,473	4,627
Intergovernmental [2]	37,117	9,018	3,071	3,372	1,658	2,532	5,049	12,417
From State governments	24,626	5,526	2,024	2,216	1,104	1,366	2,736	9,654
From Federal Government	9,813	2,356	873	868	449	928	2,036	2,303
Revenue sharing	2,358	857	244	232	104	202	217	502
Current charges	18,072	6,198	1,966	1,800	931	1,693	1,851	3,633
Water supply and other utilities revenue [3]	27,822	12,077	2,447	3,259	1,045	1,836	2,864	4,294
General expenditure [2]	**114,864**	**32,446**	**11,364**	**11,260**	**5,427**	**9,244**	**12,986**	**32,137**
Police and fire protection	20,941	6,882	2,478	2,275	949	1,837	2,107	4,413
Education	12,361	1,641	1,207	1,612	912	685	1,528	4,776
Sewerage and sanitation	12,359	4,782	1,201	1,183	502	1,101	1,318	2,272
Highways	9,337	4,244	1,096	972	406	692	686	1,241
Health and hospitals	7,055	1,707	557	456	213	384	1,060	2,678
Public welfare	6,254	182	67	201	91	62	868	4,783
Housing and community development	5,556	882	636	537	285	519	701	1,996
Interest on general debt	8,097	2,488	877	828	511	977	918	1,498
Water supply and other utilities expenditure [3]	32,142	12,692	2,745	3,458	1,215	2,240	3,858	5,934
Gross debt outstanding	**164,796**	**51,437**	**17,896**	**14,907**	**9,949**	**18,113**	**20,397**	**32,097**
Long-term	159,142	50,202	17,141	14,387	9,658	17,780	19,622	30,352
Short-term	5,654	1,233	756	520	291	334	775	1,745
PERCENT DISTRIBUTION								
General revenue [2]	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Taxes [2]	41.7	37.8	42.6	40.9	36.9	39.9	40.1	47.2
Property	20.5	21.6	25.7	24.7	17.0	16.7	19.4	18.5
Sales and gross receipts	12.0	10.7	11.9	11.8	12.9	15.1	10.2	13.1
Intergovernmental	30.4	26.6	26.4	29.8	31.5	25.2	35.0	35.1
Current charges	14.8	18.3	16.9	15.9	17.7	16.8	12.8	10.3
General expenditure [2]	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Police and fire protection	18.2	21.2	21.8	20.2	17.5	19.9	16.2	13.7
Education	10.8	5.1	10.6	14.3	16.8	7.4	11.8	14.9
Sewerage and sanitation	10.8	14.7	10.6	10.5	9.3	11.9	10.1	7.1
Highways	8.1	13.1	9.6	8.6	7.5	7.5	5.3	3.9
Health and hospitals	6.1	5.3	4.9	4.0	3.9	4.2	8.2	8.3
Public welfare	5.4	.6	.6	1.8	1.7	.7	6.7	14.9
Housing and community development	4.8	2.7	5.6	4.8	5.3	5.6	5.4	6.2
Interest on general debt	7.0	7.7	7.7	7.4	9.4	10.6	7.1	4.7
PER CAPITA [4] (dollars)								
General revenue [2]	**814**	**481**	**686**	**769**	**892**	**956**	**1,336**	**1,770**
Taxes [2]	339	182	283	314	329	381	537	835
Property	167	104	171	190	152	159	259	328
Sales and gross receipts	98	52	79	91	115	145	137	231
Intergovernmental [2]	248	128	175	229	281	241	468	621
From State governments	164	78	116	151	187	130	254	483
From Federal Government	65	33	50	59	76	88	189	115
Revenue sharing	16	12	14	16	18	19	20	25
Current charges	121	88	112	122	158	161	172	182
Water supply and other utilities revenue [3]	186	171	140	221	177	175	265	215
General expenditure [2]	**766**	**461**	**649**	**765**	**920**	**879**	**1,204**	**1,606**
Police and fire protection	140	98	142	155	161	175	195	221
Education	82	23	69	110	155	65	142	239
Sewerage and sanitation	82	68	69	80	85	105	122	114
Highways	62	60	63	66	69	66	64	62
Health and hospitals	47	24	32	31	36	36	98	134
Public welfare	42	3	4	14	15	6	80	239
Housing and community development	37	13	36	36	48	49	65	100
Interest on general debt	54	35	50	56	87	93	85	75
Water supply and other utilities expenditure [3]	214	180	157	235	206	213	358	297
Gross debt outstanding	**1,099**	**730**	**1,022**	**1,013**	**1,686**	**1,722**	**1,891**	**1,604**
Long-term	1,062	713	979	977	1,636	1,690	1,819	1,517
Short-term	38	18	43	35	49	32	72	87

[1] Data are estimates subject to sampling variation, see source and Appendix III. [2] Includes items not shown separately. [3] Includes liquor stores. [4] Based on estimated resident population as of July 1, 1986.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF86, No. 4, annual.

No. 475. Estimated State and Local Taxes Paid by a Family of Four in Selected Large Cities, by Income Level: 1987

[Preliminary. Data based on average family of four (two wage earners and two school age children) owning their own home and living in a city where taxes apply. Comprises State and local sales, income, auto, and real estate taxes. For definition of median, see Guide to Tabular Presentation]

CITY	TOTAL TAXES PAID BY GROSS FAMILY INCOME LEVEL (dol.)					PERCENT OF INCOME BY INCOME LEVEL				
	$20,000	$35,000	$50,000	$75,000	$100,000	$20,000	$35,000	$50,000	$75,000	$100,000
Albuquerque, NM	1,504	2,594	4,056	6,448	8,996	7.5	7.4	8.1	8.6	9.0
Atlanta, GA	1,897	3,388	5,263	7,946	10,365	9.5	9.7	10.5	10.6	10.4
Baltimore, MD	2,148	3,767	5,669	8,525	11,236	10.7	10.8	11.3	11.4	11.2
Bridgeport, CT	2,742	4,374	6,514	9,566	12,019	13.7	12.5	13.0	12.8	12.0
Burlington, VT	1,570	2,709	4,225	7,035	9,895	7.8	7.7	8.4	9.4	9.9
Charleston, WV	1,560	2,695	4,393	7,043	9,565	7.8	7.7	8.8	9.4	9.6
Charlotte, NC	1,663	2,867	4,562	6,920	9,196	8.3	8.2	9.1	9.2	9.2
Chicago, IL	1,707	2,821	4,150	6,008	7,748	8.5	8.1	8.3	8.0	7.7
Cleveland, OH	1,832	3,260	4,940	7,682	10,567	9.2	9.3	9.9	10.2	10.6
Columbia, SC	1,568	2,918	4,739	7,262	9,620	7.8	8.3	9.5	9.7	9.6
Des Moines, IA	2,027	3,586	5,569	8,410	11,041	10.1	10.2	11.1	11.2	11.0
Detroit, MI	2,400	4,102	6,139	9,280	12,282	12.0	11.7	12.3	12.4	12.3
Honolulu, HI	1,905	3,380	5,240	8,012	10,700	9.5	9.7	10.5	10.7	10.7
Indianapolis, IN	1,648	2,672	3,936	5,831	7,441	8.2	7.6	7.9	7.8	7.4
Jackson, MS	1,506	2,685	4,300	6,546	8,529	7.5	7.7	8.6	8.7	8.5
Louisville, KY	1,800	3,104	4,610	6,733	8,652	9.0	8.9	9.2	9.0	8.7
Memphis, TN	1,601	2,366	3,222	4,536	5,788	8.0	6.8	6.4	6.0	5.8
Milwaukee, WI	2,542	4,671	7,009	10,620	13,946	12.7	13.3	14.0	14.2	13.9
Newark, NJ	2,706	4,711	6,906	10,474	13,707	13.5	13.5	13.8	14.0	13.7
New York City, NY	1,913	3,932	6,462	10,199	13,950	9.6	11.2	12.9	13.6	13.9
Norfolk, VA	1,619	2,757	4,283	7,051	8,542	8.1	7.9	8.6	9.4	8.5
Omaha, NE	1,642	2,714	4,237	6,648	8,977	8.2	7.8	8.5	8.9	9.0
Philadelphia, PA	2,527	4,173	5,799	8,446	10,924	12.6	11.9	11.6	11.3	10.9
Portland, ME	1,570	3,055	5,140	8,625	12,903	7.9	8.7	10.3	11.5	12.9
Portland, OR	2,281	4,006	6,163	9,556	12,643	11.4	11.5	12.3	12.7	12.6
Providence, RI	2,297	3,865	6,168	9,840	13,224	11.5	11.0	12.3	13.1	13.2
St. Louis, MO	1,557	2,607	3,998	5,816	7,213	7.8	7.4	8.0	7.8	7.2
Salt Lake City, UT	1,866	3,304	5,168	7,766	10,279	9.3	9.4	10.3	10.4	10.3
Sioux Falls, SD	1,912	2,903	3,991	5,558	6,950	9.6	8.3	8.0	7.4	6.9
Washington, DC	2,086	3,797	5,623	8,726	11,935	10.4	10.8	11.2	11.6	11.9
Median [1]	1,568	2,709	4,225	6,648	8,884	7.8	7.7	8.4	8.9	8.9

[1] Median of all 51 cities. For complete list of cities, see table 476.

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Rates and Tax Burdens in the District of Columbia: a Nationwide Comparison.*

No. 476. Residential Property Tax Rates in Selected Large Cities: 1987

CITY	EFFECTIVE TAX RATE PER $100		Assessment level (percent)	Nominal rate per $100
	Rank	Rate		
Newark, NJ	1	4.20	31.7	13.26
Detroit	2	4.09	49.9	8.20
Milwaukee	3	3.48	96.7	3.60
Des Moines	4	2.96	77.4	3.82
Bridgeport	5	2.95	46.6	6.33
Portland, OR	6	2.75	100.0	2.75
Baltimore	7	2.68	43.2	6.21
Providence	8	2.58	35.6	7.25
Philadelphia	9	2.54	34.0	7.48
Sioux Falls	10	2.32	35.3	6.59
Omaha	11	2.18	85.6	2.55
Minneapolis	12	2.14	18.5	11.58
Cleveland	13	2.08	35.0	5.95
Atlanta	14	2.00	40.0	5.00
Jacksonville	15	1.96	98.1	2.00
Memphis	16	1.77	25.0	7.09
Burlington	17	1.72	81.0	2.12
Portland, ME	18	1.71	55.0	3.11
Manchester	19	1.71	20.0	8.56
Houston	20	1.71	100.0	1.71
Boise City	21	1.70	99.6	1.71
Chicago	22	1.66	16.0	10.35
Indianapolis	23	1.56	15.0	10.37
Fargo	24	1.56	4.5	34.70
Wilmington, DE	25	1.48	100.0	1.48
Louisville	26	1.39	100.0	1.39
Jackson	27	1.30	10.0	12.98
Billings	28	1.30	3.9	33.35
New Orleans	29	1.26	10.0	12.62
Seattle	30	1.22	95.0	1.29
Boston	31	1.20	100.0	1.20
Charlotte	32	1.19	97.4	1.22
New York City	33	1.18	12.7	9.33
Wichita	34	1.13	8.0	14.11
Columbia	35	1.13	4.0	28.18
Washington, DC	36	1.11	91.1	1.22
Anchorage	37	1.10	87.9	1.26
Albuquerque	38	1.10	33.3	3.29
Norfolk	39	1.10	88.0	1.25
Salt Lake City	40	1.08	60.0	1.80
Charleston, WV	41	1.07	62.0	1.73
St. Louis	42	1.02	19.0	5.37
Oklahoma City	43	.95	10.7	8.92
Las Vegas	44	.91	34.4	2.64
Little Rock	45	.89	19.2	4.66
Denver	46	.89	18.0	4.97
Birmingham	47	.70	10.0	6.95
Casper	48	.70	9.1	7.74
Phoenix	49	.64	5.4	11.83
Los Angeles	50	.64	61.2	1.05
Honolulu	51	.59	89.0	.66

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Rates and Tax Burdens in the District of Columbia: a Nationwide Comparison.*

No. 477. Number of Locally Assessed Taxable Real Property Parcels, and Gross Assessed Value, by Use: 1986

[Data are estimates subject to sampling variability; see source for details]

REGION, DIVISION AND STATE	NUMBER OF PARCELS [1] (1,000)						GROSS ASSESSED VALUE (bil. dol.)					
	Total [2]	Residential		Acreage	Vacant platted lots	Commercial and industrial	Total [2]	Residential		Acreage	Vacant platted lots	Commercial and industrial
		Total	Single-family only					Total	Single-family only			
U.S.	**107,890.8**	**64,753.7**	**61,113.6**	**16,094.3**	**19,484.1**	**4,479.4**	**4,104.5**	**2,511.6**	**2,180.3**	**309.3**	**189.2**	**997.5**
Region:												
Northeast	16,618.4	12,626.3	11,276.1	905.8	2,067.6	894.4	752.7	520.3	429.7	14.0	21.3	196.0
Midwest	28,400.8	16,047.2	15,276.4	6,706.8	4,112.2	1,227.8	548.8	307.6	278.4	105.2	11.5	123.2
South	42,539.5	23,305.2	22,610.6	6,170.2	9,043.3	1,545.1	1,478.1	847.5	761.5	116.1	88.0	347.3
West	20,332.2	12,775.0	11,950.5	2,221.5	4,261.1	812.0	1,325.1	839.3	713.1	74.6	68.3	329.4
N. Eng	**4,884.5**	**3,676.2**	**3,181.6**	**303.6**	**661.3**	**221.9**	**365.0**	**268.6**	**213.6**	**5.0**	**10.8**	**80.4**
ME	648.4	423.4	401.9	89.0	106.0	26.4	25.0	16.9	15.2	1.2	.7	6.2
NH	496.5	347.1	323.4	52.5	76.8	18.1	27.7	18.1	16.2	.9	.8	8.0
VT	282.0	198.0	185.8	47.5	20.1	15.5	.2	.1	.1	-	-	-
MA	2,038.4	1,586.8	1,235.9	72.4	276.1	98.5	229.4	172.3	126.2	2.0	7.0	48.0
RI	362.7	252.7	212.1	9.2	80.3	15.9	17.5	13.2	11.0	.2	.7	3.2
CT	1,054.5	868.2	822.4	33.0	102.0	47.4	65.2	48.0	44.9	.7	1.6	15.0
Mid. Atl	**11,733.9**	**8,950.1**	**8,094.5**	**602.2**	**1,406.3**	**672.6**	**387.7**	**251.7**	**216.1**	**9.0**	**10.5**	**115.6**
NY	4,821.5	3,655.0	2,966.5	205.8	586.4	332.4	154.8	87.0	61.4	5.1	2.8	59.4
NJ	2,250.2	1,785.3	1,768.1	47.4	289.6	127.8	185.9	132.6	125.5	1.7	6.8	44.8
PA	4,662.1	3,509.8	3,359.9	349.0	530.3	212.4	47.0	32.1	29.2	2.2	.9	11.4
E. No. Cent	**18,298.7**	**11,246.8**	**10,655.7**	**2,926.1**	**3,082.2**	**826.6**	**381.6**	**234.8**	**213.1**	**46.9**	**9.4**	**89.2**
OH	4,910.3	3,019.4	2,827.1	538.0	1,082.5	212.1	73.7	49.8	44.9	5.6	2.4	15.5
IN	2,483.0	1,432.6	1,394.3	475.2	476.5	91.0	19.1	10.7	9.8	3.7	.4	4.3
IL	4,532.7	2,898.0	2,665.8	584.9	654.8	259.1	90.5	51.2	44.5	7.6	2.2	28.9
MI	3,769.4	2,572.2	2,482.5	501.4	518.2	169.6	92.8	57.6	53.8	10.1	2.0	23.0
WI	2,603.3	1,324.5	1,286.1	826.5	350.3	94.8	105.5	65.5	60.1	19.9	2.4	17.5
W. No. Cent	**10,102.1**	**4,800.4**	**4,620.7**	**3,780.7**	**1,029.9**	**401.3**	**167.2**	**72.8**	**65.3**	**58.3**	**2.1**	**34.0**
MN	2,494.4	1,339.3	1,281.8	744.9	289.3	84.7	27.6	15.9	13.6	4.0	.5	7.2
IA	1,983.9	752.5	738.1	1,036.6	112.1	82.6	67.7	23.7	22.0	32.6	.6	10.8
MO	2,251.1	1,338.5	1,276.6	579.5	228.1	94.5	23.0	11.5	10.1	2.5	.4	8.6
ND	559.1	147.4	142.1	324.8	61.8	24.8	.9	.3	.2	.5	-	.1
SD	536.3	167.3	163.3	285.4	63.0	20.0	6.4	2.3	2.1	3.3	.1	.8
NE	858.0	408.6	396.7	329.0	81.6	36.5	36.0	16.5	15.0	13.6	.4	5.4
KS	1,419.3	646.6	622.2	480.6	194.0	58.1	5.6	2.6	2.3	1.8	.1	1.1
So. Atl	**19,603.8**	**12,026.3**	**11,608.5**	**2,069.8**	**4,500.0**	**728.9**	**791.1**	**514.5**	**464.1**	**57.2**	**46.2**	**170.0**
DE	273.3	202.0	201.5	9.3	51.4	10.6	13.0	8.3	7.7	.5	.4	3.8
MD	1,694.3	1,276.7	1,256.1	51.4	293.4	72.8	54.6	39.8	36.6	1.6	2.1	11.1
DC	159.7	130.6	114.3	-	11.0	8.9	28.9	13.6	10.8	-	1.0	14.2
VA	2,611.8	1,603.3	1,564.4	396.5	533.9	73.2	166.5	110.7	100.9	15.5	7.2	32.5
WV	1,271.8	629.8	617.0	142.8	270.0	25.0	8.7	5.4	5.0	.6	.3	1.8
NC	3,009.9	1,737.7	1,688.9	552.9	573.4	134.6	121.4	75.8	69.9	16.6	4.0	24.3
SC	1,705.2	986.8	938.5	239.8	391.9	78.8	3.2	1.8	1.6	.2	.2	.9
GA	2,356.7	1,527.5	1,480.8	233.5	486.9	103.2	50.8	31.5	28.1	6.2	1.8	11.2
FL	6,521.0	3,932.0	3,746.9	443.6	1,888.1	221.7	344.0	227.6	203.5	16.0	29.2	70.2
E. So. Cent	**6,773.4**	**3,953.4**	**3,883.9**	**1,376.0**	**1,134.5**	**281.2**	**92.2**	**52.8**	**48.8**	**15.0**	**2.2**	**21.6**
KY	1,489.5	1,010.0	994.0	272.4	127.6	62.2	54.2	32.6	30.1	9.6	.8	10.8
TN	2,136.3	1,233.1	1,216.5	277.0	518.1	105.6	24.3	12.3	11.6	3.0	.9	8.1
AL	1,853.3	1,043.5	1,020.4	477.1	260.4	66.0	8.9	5.1	4.6	1.5	.3	1.8
MS	1,294.3	666.8	653.0	349.5	228.4	47.3	4.8	2.8	2.5	.9	.2	.9
W. So. Cent	**16,162.3**	**7,325.4**	**7,118.3**	**2,724.6**	**3,408.8**	**535.0**	**594.8**	**280.2**	**248.6**	**43.9**	**39.6**	**155.7**
AR	1,797.9	684.3	669.1	562.2	451.2	56.5	8.9	5.0	4.7	1.8	.3	1.7
LA	1,899.4	1,188.7	1,135.7	282.5	354.9	72.0	8.9	5.4	4.9	.8	.4	2.2
OK	1,828.8	912.6	896.8	390.4	452.9	69.1	7.3	4.4	4.1	1.1	.2	1.8
TX	10,636.2	4,539.9	4,416.7	1,489.5	2,149.8	337.5	569.7	265.4	234.9	40.2	38.7	150.0
Mt	**7,117.4**	**3,718.2**	**3,589.9**	**875.0**	**2,193.6**	**228.7**	**102.4**	**60.0**	**55.0**	**9.4**	**7.3**	**24.6**
MT	465.3	224.5	216.4	150.0	71.1	18.5	.8	.4	.4	.2	-	.1
ID	518.8	267.0	261.7	145.8	84.7	18.8	24.3	13.9	13.3	5.2	1.1	4.2
WY	212.5	120.2	113.9	29.4	50.6	12.3	1.2	.6	.6	.2	.1	.3
CO	1,726.9	1,031.0	997.0	165.2	385.2	59.1	15.8	8.4	7.5	.9	1.0	4.6
NM	1,094.8	424.1	416.8	131.4	516.0	22.5	8.7	5.6	5.5	.7	.8	1.4
AZ	1,986.2	977.9	932.3	96.0	850.3	54.6	12.6	6.3	5.3	.7	1.5	4.1
UT	686.6	432.9	422.5	111.0	116.2	26.6	27.5	18.4	17.2	1.2	1.4	6.4
NV	424.3	240.6	229.4	46.2	119.4	16.2	11.5	6.2	5.2	.3	1.4	3.5
Pac	**13,214.8**	**9,056.8**	**8,360.5**	**1,346.5**	**2,067.5**	**583.4**	**1,222.7**	**779.3**	**658.1**	**65.2**	**61.0**	**304.8**
WA	2,285.2	1,359.8	1,296.6	428.7	391.0	84.4	142.9	91.3	80.6	12.1	7.7	30.9
OR	1,399.3	748.5	716.1	365.4	207.7	67.4	72.6	41.8	37.0	9.8	3.1	17.9
CA	8,885.9	6,580.0	5,993.5	471.5	1,306.1	412.5	928.6	598.5	497.3	38.4	44.4	238.5
AK	253.0	120.2	111.0	15.4	105.5	9.0	28.1	15.7	13.3	.7	4.0	7.4
HI	391.4	248.4	243.4	65.5	57.3	10.1	50.5	32.0	29.9	4.2	1.8	10.1

- Represents zero. [1] Parcels are defined by the local assessors. [2] Includes amounts not shown separately.

Source: U.S. Bureau of the Census, *1987 Census of Governments*, vol. 2, GC87(2), *Taxable Property Values*.

No. 478. GROSS ASSESSED VALUE OF PROPERTY AND GOVERNMENT REVENUE FROM PROPERTY TAXES: 1971 TO 1986

[In billions of dollars, except percent. Data are estimates subject to sampling variability; see Appendix III and source]

ITEM	1971	1975	1979	1981	1982	1983	1984	1985	1986
Gross assessed value of property [1]	**717.8**	**1,096.3**	**1,678.8**	**2,958.2**	(NA)	(NA)	**4,053.1**	(NA)	**4,817.8**
State assessed	53.5	74.8	113.5	159.2	(NA)	(NA)	200.1	(NA)	242.9
Locally assessed	664.2	1,021.5	1,565.3	2,799.0	(NA)	(NA)	3,853.0	(NA)	4,574.9
Real property	573.9	881.6	1,358.5	2,514.9	(NA)	(NA)	3,446.5	(NA)	4,104.5
Percent of locally assessed	86.4	86.3	86.8	89.8	(NA)	(NA)	89.4	(NA)	89.7
et assessed value of locally taxable property [2]	694.6	1,062.9	1,607.3	2,837.5	(NA)	(NA)	3,868.8	(NA)	4,619.7
Percent of gross assessed	96.8	97.0	95.7	95.9	(NA)	(NA)	95.5	(NA)	95.9
pproximate market value: [3]									
Locally assessed realty	1,755.0	(NA)	(NA)	6,760.4	(NA)	(NA)	(NA)	(NA)	(NA)
Ordinary realty	(NA)	(NA)	(NA)	5,500.7	(NA)	(NA)	(NA)	(NA)	(NA)
REVENUE FROM PROPERTY TAXES									
otal revenue, State and local	**37.9**	**51.5**	**64.9**	**75.0**	**82.1**	**89.1**	**96.5**	**103.8**	**111.7**
Percent of general revenue	26.1	22.6	18.9	17.7	17.9	18.3	17.8	17.4	17.4
Percent of tax revenue	38.9	36.4	31.6	30.7	30.8	31.3	30.1	29.7	29.9
Revenue, State governments	1.1	1.5	2.5	2.9	3.1	3.3	3.9	4.0	4.4
Percent of all revenue	1.1	.9	1.0	.9	.9	.9	1.0	.9	.9
Percent of tax revenue	2.2	1.8	2.0	2.0	1.9	1.9	2.0	1.9	1.9
Revenue, local governments	36.7	50.0	62.5	72.0	79.0	85.8	92.6	99.8	107.4
Annual average percent change from prior year shown	[4] 9.0	6.6	5.7	9.8	9.6	8.7	7.7	7.8	7.6
Percent of all revenue	36.4	32.2	26.6	25.0	25.0	25.4	25.3	24.8	24.7
Percent of tax revenue	84.6	81.6	77.5	76.0	76.1	76.0	75.0	74.2	74.0

NA Not available. [1] Gross assessed value amounts may include prior year components for those states unable to report ata for indicated year at time of publication. See sources for definitions of terms and limitations of data. [2] Value subject to ocal general property taxation, including State-assessed property, after deduction of partial exemptions. [3] See source for details or computation of approximate market value. [4] Change from 1966.

Source: U.S. Bureau of the Census, *Census of Governments: 1972, 1982,* and *1987,* vol. 2; *Property Values Subject to Local eneral Property Taxation in the United States: 1975* and *1979,* series GSS Nos. 80, 92, and 98; and *Government Finances,* eries GF, No. 5, annual.

No. 479. GOVERNMENTAL EMPLOYMENT AND PAYROLLS: 1970 TO 1986

[For October. Covers both full-time and part-time employees. Except for 1982, local government data are estimates subject to sampling variation; see source, and Appendix III. See also *Historical Statistics, Colonial Times to 1970,* series Y 272–307]

TYPE OF GOVERNMENT	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
EMPLOYEES (1,000)											
Total	**13,028**	**14,973**	**15,628**	**15,971**	**16,213**	**15,968**	**15,841**	**16,034**	**16,436**	**16,690**	**16,933**
ederal (civilian) [1]	2,881	2,890	2,885	2,869	2,898	2,865	2,848	2,875	2,942	3,021	3,019
ate and local	10,147	12,084	12,743	13,102	13,315	13,103	12,993	13,159	13,494	13,669	13,913
Percent of total	77.9	80.7	81.5	82.0	82.1	82.1	82.0	82.1	82.1	81.9	82.2
State	2,755	3,271	3,539	3,699	3,753	3,726	3,744	3,816	3,898	3,984	4,068
Local	7,392	8,813	9,204	9,403	9,562	9,377	9,249	9,344	9,595	9,685	9,846
Counties	1,229	1,563	1,768	1,804	1,853	1,808	1,824	1,811	1,872	1,881	1,926
Municipalities	2,244	2,506	2,509	2,553	2,561	2,469	2,397	2,424	2,434	2,467	2,494
School districts	3,316	3,969	4,113	4,200	4,270	4,222	4,194	4,211	4,387	4,416	4,502
Townships	330	392	411	401	394	386	356	379	386	392	400
Special districts	275	383	403	445	484	492	478	519	516	519	524
OCTOBER PAYROLLS (mil. dol.)											
Total	**8,334**	**13,224**	**16,483**	**18,077**	**19,935**	**21,193**	**23,173**	**24,525**	**26,904**	**28,945**	**30,670**
ederal (civilian) [1]	2,428	3,584	4,344	4,728	5,205	5,239	5,959	6,301	7,137	7,580	7,561
ate and local	5,906	9,640	12,139	13,349	14,730	15,954	17,214	18,224	19,767	21,365	23,109
Percent of total	70.9	72.9	73.7	73.8	73.9	75.3	74.2	74.3	73.5	73.8	75.3
State	1,612	2,653	3,483	3,869	4,285	4,666	5,022	5,346	5,815	6,329	6,810
Local	4,294	6,987	8,656	9,480	10,445	11,287	12,192	12,878	13,952	15,036	16,298
Counties	640	1,183	1,564	1,726	1,936	2,083	2,287	2,387	2,596	2,819	3,009
Municipalities	1,361	2,129	2,535	2,729	2,951	3,222	3,428	3,640	3,872	4,191	4,407
School districts	2,032	3,160	3,897	4,272	4,683	5,021	5,442	5,729	6,283	6,746	7,517
Townships	122	215	269	291	330	349	370	398	421	446	474
Special districts	140	300	392	463	546	612	665	724	780	834	892

[1] Includes employees outside U.S.

Source: U.S. Bureau of the Census, *1982 Census of Governments, Vol. 6, No. 5, Historical Statistics on Governmental Finances nd Employment,* and *Public Employment,* series GE, No. 1, annual.

NO. 480. GOVERNMENTAL EMPLOYMENT AND PAYROLLS, BY LEVEL OF GOVERNMENT AND BY FUNCTION: 1986

[For October. Covers both full-time and part-time employees. Local government data are estimates subject to sampling variation; see source, and Appendix III]

FUNCTION	EMPLOYEES (1,000)					OCTOBER PAYROLLS (mil. dol.)				
	Total	Federal (civilian)[1]	State and local			Total	Federal (civilian)[1]	State and local		
			Total	State	Local			Total	State	Local
Total	**16,933**	**3,019**	**13,913**	**4,068**	**9,846**	**30,670**	**7,561**	**23,109**	**6,810**	**16,29**
National defense[2]	1,079	1,079	(X)	(X)	(X)	2,801	2,801	(X)	(X)	(X)
Postal Service	795	795	(X)	(X)	(X)	1,847	1,847	(X)	(X)	(X)
Space research and technology	22	22	(X)	(X)	(X)	83	83	(X)	(X)	(X)
Education	7,253	14	7,239	1,800	5,439	11,717	37	11,680	2,583	9,097
Teachers	4,079	(X)	4,079	536	3,543	8,240	(X)	8,240	1,178	7,062
Highways	553	4	550	253	297	969	14	956	485	471
Health and hospitals	1,649	260	1,389	682	707	2,858	622	2,236	1,159	1,077
Public welfare	443	14	430	190	239	713	36	677	333	343
Police protection	771	67	704	79	625	1,600	191	1,410	183	1,227
Fire protection	326	(X)	326	(X)	326	603	(X)	603	(X)	603
Sanitation and sewerage	226	(X)	226	1	225	394	(X)	394	1	393
Parks and recreation	268	(X)	268	36	233	306	(X)	306	48	258
Natural resources	430	235	195	157	38	909	587	322	269	52
Financial administration	449	121	328	134	194	785	259	526	247	280
General control	673	62	610	140	470	1,071	163	908	316	592
All other	1,996	349	1,648	596	1,052	4,013	922	3,091	1,185	1,906

X Not applicable. [1] Includes employees outside United States. [2] Includes international relations.

Source: U.S. Bureau of the Census, *Public Employment in 1986,* series GE 86, No. 1.

NO. 481. STATE AND LOCAL GOVERNMENT—FULL-TIME EMPLOYMENT AND SALARY, BY SEX AND RACE/ETHNIC GROUP: 1973 TO 1986

[As of June 30. Excludes school systems and educational institutions. Based on reports from State governments (44 in 1973, 48 in 1975 and 1976, 47 in 1977, 45 in 1978, 48 in 1979, 42 in 1980, 49 in 1981, 47 in 1983, 50 in 1984 through 1986) and a sample of county, municipal, township, and special district jurisdictions employing 15 or more nonelected, nonappointed full-time employees. For definition of median, see Guide to Tabular Presentation]

YEAR AND OCCUPATION	EMPLOYMENT (1,000)							MEDIAN ANNUAL SALARY ($1,000)					
	Total	Male	Female	White[1]	Minority			Male	Female	White[1]	Minority		
					Total[2]	Black[1]	Hispanic[3]				Total[2]	Black[1]	Hispanic[3]
1973	3,809	2,486	1,322	3,115	693	523	125	9.6	7.0	8.8	7.5	7.4	7.4
1975	3,899	2,436	1,464	3,102	797	602	147	11.3	8.2	10.2	8.8	8.6	8.9
1976	4,369	2,724	1,645	3,490	880	664	165	11.8	8.6	10.7	9.2	9.1	9.4
1977	4,415	2,737	1,678	3,480	935	705	175	12.4	9.1	11.3	9.7	9.5	9.9
1978	4,447	2,711	1,736	3,481	966	723	181	13.3	9.7	12.0	10.4	10.1	10.7
1979	4,576	2,761	1,816	3,568	1,008	751	192	14.1	10.4	12.8	10.9	10.6	11.4
1980	3,987	2,350	1,637	3,146	842	619	163	15.2	11.4	13.8	11.8	11.5	12.3
1981	4,665	2,740	1,925	3,591	1,074	780	205	17.7	13.1	16.1	13.5	13.3	14.7
1983	4,492	2,674	1,818	3,423	1,069	768	219	20.1	15.3	18.5	15.9	15.6	17.3
1984	4,580	2,700	1,880	3,458	1,121	799	233	21.4	16.2	19.6	17.4	16.5	18.4
1985	4,742	2,789	1,952	3,563	1,179	835	246	22.3	17.3	20.6	18.4	17.5	19.2
1986, total	**4,779**	**2,797**	**1,982**	**3,549**	**1,230**	**865**	**259**	**23.4**	**18.1**	**21.5**	**19.6**	**18.7**	**20.2**
Officials/ administrators	260	186	74	226	34	23	7	36.5	29.3	34.3	33.0	32.4	33.8
Professionals	1,005	523	482	812	194	119	36	29.8	24.3	27.1	25.6	24.8	27.0
Technicians	459	278	181	360	99	65	22	23.9	18.3	21.7	20.7	19.1	21.5
Protective service	736	661	75	586	150	105	37	24.5	20.7	24.3	24.1	22.5	26.2
Paraprofessionals	364	107	257	228	136	113	18	17.7	15.6	16.2	16.8	15.9	17.1
Office/clerical	868	105	763	626	242	165	58	17.8	16.0	15.9	16.7	16.6	16.8
Skilled craft	401	385	16	312	89	57	25	21.9	16.2	21.7	21.3	20.6	22.4
Service/ maintenance	686	552	134	400	286	219	57	17.9	14.1	17.3	16.7	16.5	17.5

[1] Nonhispanic. [2] Includes other minority groups, not shown separately. [3] Hispanic may be of any race.

Source: U.S. Equal Employment Opportunity Commission, *State and Local Government Information Report,* annual.

NO. 482. STATE AND LOCAL GOVERNMENT—EMPLOYEE BENEFITS: 1987

[For January through July. Covers full-time employees in state and local governments. Excludes executive employees, traveling operating employees, elected officials, and Alaska and Hawaii. Covers only benefits for which the employer pays part or all of the premium or expenses involved, except unpaid maternity and paternity leave. Based on sample survey of establishments. For data on employee benefits in medium to large firms, see table 672]

TYPE OF EMPLOYEE BENEFIT	All employees	Regular employees[1]	Teachers[2]	Police and firefighters
Percent of employees participating in—				
Paid: Vacations	72	93	13	100
Holidays	81	95	45	93
Jury duty leave	98	99	97	92
Funeral leave	56	58	52	75
Rest time[3]	58	74	16	48
Military leave	80	85	65	86
Sick leave	97	97	95	97
Personal leave	38	32	56	36
Lunch time[3]	17	10	32	39
Insurance plans:				
Health	94	94	95	96
Hospital/surgical[4]	93	93	93	95
Mental health care	92	93	93	94
Private duty nursing	91	91	91	92
Dental	59	58	61	59
Extended care facility	73	72	71	76
Home health care	71	72	67	75
Vision	35	36	33	40
Health maintenance organization[5]	23	24	18	25
Life	85	85	82	91
Noncontributory	69	70	66	73
Accident/sickness	14	18	5	14
Noncontributory	12	15	4	11
Long-term disability	31	28	41	18
Noncontributory	28	25	38	15
Retirement and savings plans:				
Defined benefit pension	93	92	95	93
Noncontributory	20	22	17	17
Defined contribution	9	9	8	13
Savings and thrift	1	1	1	1
Retirement and savings plans—Con.				
Money purchase pension	8	8	7	11
Additional benefits:				
Parking	73	68	86	73
Educational assistance:				
Job related	53	59	36	65
Not job related	15	16	14	7
Travel accident insurance	16	15	19	13
In-house infirmary	19	19	18	13
Severance pay	6	6	7	5
Relocation allowance	15	20	5	8
Recreation facilities	11	11	12	11
Subsidized meals	12	10	19	1
Nonproduction bonuses, cash	7	8	3	16
Financial counseling	10	11	9	9
Subsidized commuting	5	5	2	7
Prepaid legal services	6	6	5	11
Child care	2	2	1	1
Unpaid maternity leave	57	55	65	51
Average months	11.7	11.0	12.7	14.8
Unpaid paternity leave	30	29	32	30
Average months	14.9	14.5	14.7	19.9
Mean number of—				
Paid holidays	10.9	11.1	9.8	11.2
Paid vacation days after—				
1 year	12.0	11.8	14.3	12.6
3 years	12.9	12.8	14.8	13.5
5 years	15.0	14.8	15.7	15.8
10 years	17.7	17.7	16.9	18.8
15 years	19.8	19.7	17.8	21.1
20 years	21.4	21.4	18.7	22.7
25 years	22.0	22.0	18.8	23.4

[1] Includes all white-collar employees (professional, administrative, technical, clerical) and blue-collar employees (production, services) except those classified as teachers or police and firefighters. [2] Includes all personnel in primary and secondary schools, junior colleges, colleges, and universities whose primary duty is teaching or closely related activities. [3] Data for teachers relate only to primary and secondary school teachers. [4] Includes physician visits in hospitals, diagnostic X-ray and lab, and auxiliary hospital services. [5] For definition, see table 148.

Source: U.S. Bureau of Labor Statistics, *Employee Benefits in State and Local Governments, 1987.*

NO. 483. STATE AND LOCAL GOVERNMENT BARGAINING AGREEMENTS: 1985 TO 1987

[Agreements covering 1,000 or more workers. Averages presented are means; for definition of mean, see Guide to Tabular Presentation]

ITEM	TOTAL			UNITS WITH—					
				1,000 to 4,999 workers			5,000 or more workers		
	1985	1986	1987	1985	1986	1987	1985	1986	1987
Workers covered, total[1] (1,000):									
All settlements	1,475	873	1,291	595	450	538	880	423	754
State government	546	313	462	143	89	115	403	224	347
Local government	929	560	830	452	361	422	476	199	407
Average wage adjustment[2] (percent):									
First year of contract:									
All settlements	4.6	5.7	4.9	5.0	5.2	4.7	4.3	6.2	5.0
State government	4.8	6.3	4.1	4.7	5.0	4.2	4.8	6.8	4.1
Local government	4.4	5.3	5.3	5.1	5.1	4.9	3.8	5.6	5.8
Over the life of contract:[3]									
All settlements	5.4	5.7	5.1	5.4	5.4	4.8	5.3	6.0	5.3
State government	4.9	6.0	4.2	4.7	6.0	4.3	4.9	6.0	4.2
Local government	5.7	5.6	5.8	5.7	5.4	4.9	5.6	6.0	6.2
Total effective wage adjustments[4] (percent)	5.7	5.5	4.9	(NA)	(NA)	4.6	(NA)	(NA)	5.2
Source:									
Current settlements	4.1	2.4	2.7	(NA)	(NA)	2.6	(NA)	(NA)	2.7
Prior settlements	1.6	3.0	2.2	(NA)	(NA)	1.9	(NA)	(NA)	2.5
Cost-of-living adjustments	(Z)	(Z)	(Z)	(NA)	(NA)	(Z)	(NA)	(NA)	(Z)
State government	4.5	5.6	4.3	(NA)	(NA)	3.9	(NA)	(NA)	4.5
Local government	6.5	5.4	5.3	(NA)	(NA)	4.8	(NA)	(NA)	6.0

NA Not available. Z Less than .05 percent. [1] Number of workers covered by settlements reached in each calendar year. [2] Data relate to settlements reached in each calendar year and exclude possible cost-of-living adjustments. [3] Average annual rate of change. [4] Data relate to all wage changes implemented in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living clauses.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments,* May 1986, March 1987 and 1988; and unpublished data.

No. 484. State and Local Government Employment (Full-Time Equivalent) by Selected Function, 1970 to 1986, and by State, 1986

[In thousands, for October. Except 1982, local government data are estimates subject to sampling variation; see source and Appendix III. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	EDUCATION				HEALTH AND HOSPITALS		HIGHWAYS		POLICE AND FIRE PROTECTION		PUBLIC WELFARE	
	Total		Higher education									
	State	Local	State	Local	State	Local	State	Local	State [1]	Local	State	Local
1970	803.0	3,454.6	722.2	119.4	482.0	489.0	296.8	271.4	55.8	583.7	97.3	152.5
1975	952.1	4,000.0	849.2	191.2	568.4	562.3	271.5	298.1	68.6	690.1	157.1	182.3
1980	1,062.8	4,278.3	947.7	212.1	649.8	646.4	255.3	277.4	75.5	745.0	171.5	200.4
1981	1,062.5	4,239.6	951.7	210.2	654.3	639.3	244.1	265.4	73.1	753.1	169.4	199.7
1982	1,052.5	4,177.8	944.5	213.2	652.6	661.6	241.4	268.0	75.3	760.4	169.9	208.6
1983	1,072.1	4,164.8	965.7	193.9	637.9	651.9	239.5	265.4	75.9	760.3	172.5	203.1
1984	1,091.0	4,303.7	981.2	197.6	644.1	642.9	243.9	274.5	78.7	774.4	174.5	208.7
1986 [2]	**1,258.4**	**4,595.3**	**1,140.4**	**212.8**	**652.5**	**643.9**	**249.7**	**284.4**	**78.5**	**813.8**	**186.6**	**223.1**
Region:												
Northeast	168.7	942.6	151.0	32.0	175.9	112.7	53.3	67.7	19.0	196.2	40.3	86.4
Midwest	364.8	1,117.7	343.6	51.5	130.0	152.8	51.2	79.2	16.6	187.3	46.9	62.0
South	442.9	1,656.0	401.0	61.6	255.4	250.4	100.7	92.5	26.0	262.7	74.4	32.7
West	279.9	679.1	244.9	67.7	91.2	128.0	44.4	44.9	16.8	167.6	25.0	42.0
N. Eng	**62.5**	**233.1**	**54.9**	**.1**	**46.4**	**14.5**	**16.0**	**14.7**	**5.0**	**50.5**	**16.8**	**5.5**
ME	5.9	24.5	4.6	-	2.7	1.1	2.7	1.6	.6	3.1	1.9	.2
NH	7.2	16.3	6.8	-	2.2	.1	1.8	1.4	.3	3.4	1.2	1.9
VT	3.9	10.9	3.7	-	1.2	-	1.1	1.0	.4	.9	.7	-
MA	22.2	104.4	21.9	.1	22.7	11.7	5.1	6.1	1.8	27.3	8.4	1.3
RI	6.1	14.8	5.0	-	3.5	.1	1.0	.8	.3	4.3	1.7	.1
CT	16.2	60.3	12.9	-	14.0	1.5	4.3	3.8	1.6	11.4	2.8	2.1
Mid. Atl	**106.2**	**709.5**	**96.1**	**31.9**	**129.5**	**98.2**	**37.3**	**53.0**	**14.1**	**145.7**	**23.5**	**80.9**
NY	51.6	350.2	46.4	18.4	81.0	79.8	14.1	32.5	5.5	82.6	7.7	53.0
NJ	24.8	159.6	21.8	7.7	21.3	12.9	8.8	10.1	3.6	32.6	5.3	10.1
PA	29.8	199.7	27.9	5.7	27.3	5.5	14.5	10.3	5.0	30.5	10.5	17.8
E. No. Cent	**247.8**	**773.7**	**233.9**	**37.2**	**79.4**	**108.9**	**28.8**	**49.7**	**11.3**	**140.2**	**29.4**	**47.9**
OH	55.7	191.3	53.2	3.3	22.1	28.7	8.6	12.9	2.1	33.1	1.7	19.4
IN	40.6	101.7	35.6	-	11.5	19.5	5.6	5.6	1.7	15.4	1.4	5.7
IL	50.2	202.7	47.5	16.7	17.4	22.0	8.7	11.0	3.7	48.3	11.9	7.4
MI	58.0	189.3	55.8	9.8	19.3	28.1	3.9	10.4	3.0	27.2	13.1	3.7
WI	43.3	88.6	41.9	7.5	9.0	10.5	2.0	9.8	.8	16.2	1.5	11.7
W. No. Cent	**117.1**	**343.9**	**109.6**	**14.3**	**50.6**	**45.9**	**22.4**	**29.5**	**5.4**	**47.2**	**17.5**	**14.1**
MN	31.4	66.7	29.9	-	9.1	12.3	4.9	7.2	.8	9.4	1.5	8.9
IA	27.3	62.9	26.0	4.5	10.2	8.6	3.3	5.7	.8	6.5	3.4	2.2
MO	17.9	91.3	15.8	3.7	15.0	13.1	6.2	5.3	1.9	16.4	5.7	.4
ND	6.5	14.5	6.2	-	2.8	.2	1.1	1.2	.3	1.4	.4	.8
SD	4.3	15.1	3.8	-	1.9	.7	1.2	1.6	.3	1.6	1.0	.2
NE	12.5	34.6	11.8	1.9	4.5	4.4	2.2	3.5	.6	4.1	2.5	1.0
KS	17.2	59.0	16.1	4.1	7.1	6.6	3.5	5.1	.8	7.7	2.8	.6
So. Atl	**202.8**	**798.7**	**184.3**	**36.7**	**126.3**	**129.7**	**52.5**	**37.6**	**14.7**	**135.8**	**30.8**	**24.4**
DE	5.3	11.2	5.1	-	2.6	.1	1.3	.5	.7	1.3	1.7	-
MD	23.8	84.8	21.8	7.4	13.8	2.6	5.2	5.4	2.2	16.4	5.9	1.1
DC	(X)	12.3	(X)	1.4	(X)	5.6	(X)	1.0	(X)	6.2	(X)	1.9
VA	39.3	119.2	36.5	-	24.3	5.3	10.7	3.6	2.1	17.6	1.4	6.4
WV	11.5	43.4	10.0	-	4.6	4.4	5.7	.9	.9	3.3	2.5	-
NC	34.7	130.9	31.7	11.2	17.1	19.2	10.9	3.3	2.7	16.5	1.0	9.0
SC	25.7	68.1	22.6	-	16.1	11.9	4.6	2.1	1.5	8.5	4.5	.3
GA	29.4	121.0	26.0	.4	23.1	46.0	6.4	7.0	1.9	20.1	6.0	.6
FL	33.1	207.8	30.8	16.3	24.7	34.8	7.8	13.8	3.0	48.1	7.8	5.0
E. So. Cent	**94.4**	**275.4**	**82.5**	**4.1**	**45.7**	**53.0**	**19.3**	**21.5**	**4.9**	**41.6**	**15.5**	**4.8**
KY	22.7	66.6	18.7	-	7.7	6.5	6.8	3.2	1.7	8.2	3.7	.7
TN	27.5	81.3	25.4	-	13.5	15.3	5.2	6.8	1.2	14.9	5.5	2.9
AL	29.6	71.1	25.3	-	14.8	15.6	4.4	6.7	1.1	11.9	3.9	.9
MS	14.6	56.3	13.2	4.1	9.6	15.6	2.9	4.7	.9	6.6	2.4	.2
W. So. Cent	**145.6**	**582.0**	**134.1**	**20.8**	**83.4**	**67.7**	**28.9**	**33.5**	**6.3**	**85.3**	**28.1**	**3.5**
AR	14.0	44.6	12.1	-	7.4	5.8	3.7	3.3	.6	5.6	2.7	.3
LA	28.0	86.1	24.1	.1	25.1	10.8	6.3	5.9	1.1	14.9	5.9	.8
OK	26.5	84.5	24.4	-	10.3	8.5	3.6	5.7	1.6	10.4	6.7	.2
TX	77.1	366.8	73.5	20.8	40.6	42.6	15.2	18.6	2.9	54.4	12.8	2.2
Mt	**99.2**	**262.8**	**92.7**	**9.4**	**26.0**	**26.3**	**17.2**	**15.5**	**4.3**	**42.9**	**11.2**	**6.3**
MT	5.1	18.0	4.7	.2	1.5	1.1	1.8	1.4	.3	2.1	1.1	.9
ID	8.4	20.3	7.9	.8	1.4	3.2	1.8	1.4	.3	2.6	.9	.1
WY	3.2	15.7	3.0	1.7	1.5	2.8	1.7	.9	.3	1.8	.5	-
CO	25.9	65.8	24.9	1.1	8.0	8.9	3.1	4.6	.9	11.3	1.3	3.2
NM	14.7	29.7	14.1	-	5.8	1.7	2.6	1.7	.6	4.9	1.7	.2
AZ	19.4	66.6	16.7	5.7	2.0	4.7	3.0	3.3	1.0	11.4	3.2	1.2
UT	17.0	30.7	16.1	-	4.6	1.3	1.8	1.5	.7	4.1	1.9	.4
NV	5.5	16.1	5.3	-	1.2	2.6	1.4	.7	.3	4.7	.7	.2
Pac	**180.8**	**618.3**	**152.1**	**58.3**	**65.2**	**101.7**	**27.2**	**29.4**	**12.5**	**124.7**	**13.8**	**35.7**
WA	33.4	71.1	31.0	-	11.7	8.4	5.6	5.4	1.5	13.4	5.3	.7
OR	14.1	58.8	13.3	5.8	6.4	3.5	3.5	3.1	1.0	8.1	3.2	.5
CA	101.9	477.7	97.7	52.5	41.3	89.1	14.4	19.4	9.6	97.3	3.0	34.3
AK	7.3	10.6	3.6	-	.8	.6	2.9	.6	.4	1.6	1.4	.2
HI	24.0	-	6.3	-	4.9	.2	.8	1.0	-	4.3	1.0	.1

- Represents zero. X Not applicable. [1] For State government, represents police protection only. [2] 1986 data not comparable to previous years due to a change in how full-time equivalent was calculated. See text.

Source: U.S. Bureau of the Census, *1982 Census of Governments, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment*, and *Public Employment*, series GE, No. 1, annual.

NO. 485. STATE AND LOCAL GOVERNMENT EMPLOYMENT AND AVERAGE EARNINGS, BY STATE: 1980 AND 1986

[For **October**. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	TOTAL FULL-TIME EQUIVALENT EMPLOYMENT (1,000)				FULL-TIME EQUIVALENT EMPLOYMENT PER 10,000 POPULATION [3]				AVERAGE OCTOBER EARNINGS [4] (dol.)			
	State		Local [2]		State		Local [2]		State		Local [2]	
	1980	1986 [1]	1980	1986 [1]	1980	1986 [1]	1980	1986 [1]	1980	1986	1980	1986
U.S	**3,106**	**3,437**	**7,941**	**8,415**	**137**	**143**	**351**	**349**	**1,373**	**2,052**	**1,323**	**1,992**
Region:												
Northeast	618	704	1,760	1,823	126	141	358	365	1,367	2,180	1,423	2,137
Midwest	747	812	2,010	2,016	127	137	342	340	1,422	2,007	1,347	2,008
South	1,134	1,238	2,659	2,887	151	149	353	348	1,221	1,803	1,114	1,711
West	608	684	1,511	1,689	141	135	350	334	1,627	2,356	1,535	2,321
N. Eng	**188**	**212**	**399**	**390**	**152**	**166**	**323**	**306**	**1,261**	**2,053**	**1,384**	**2,005**
ME	18	20	33	36	161	168	297	307	1,266	1,714	1,083	1,590
NH	14	18	27	29	156	172	293	285	1,230	1,759	1,083	1,701
VT	11	11	14	15	215	211	267	270	1,251	1,842	1,063	1,653
MA	78	88	209	192	136	151	364	329	1,214	2,034	1,453	2,082
RI	20	19	25	24	211	195	260	245	1,326	2,041	1,443	2,215
CT	46	56	91	95	149	175	296	297	1,320	2,336	1,454	2,089
Mid. Atl	**430**	**492**	**1,361**	**1,433**	**117**	**132**	**370**	**384**	**1,413**	**2,233**	**1,434**	**2,173**
NY	215	272	731	810	123	153	416	456	1,432	2,355	1,493	2,266
NJ	87	96	283	283	119	126	384	372	1,415	2,278	1,407	2,146
PA	127	124	348	340	107	104	293	286	1,379	1,915	1,333	1,976
E. No. Cent	**491**	**529**	**1,400**	**1,414**	**118**	**127**	**336**	**339**	**1,468**	**2,189**	**1,406**	**2,057**
OH	115	122	358	365	107	113	331	340	1,321	1,984	1,299	1,911
IN	67	75	181	182	121	136	330	330	1,399	2,056	1,121	1,686
IL	124	130	385	385	108	113	338	333	1,451	2,165	1,485	2,166
MI	125	128	309	315	136	140	334	344	1,620	2,541	1,600	2,329
WI	60	74	166	168	127	154	354	351	1,580	2,128	1,402	2,035
W. No. Cent	**256**	**283**	**610**	**602**	**149**	**161**	**355**	**342**	**1,335**	**1,863**	**1,210**	**1,892**
MN	55	61	148	137	135	145	364	326	1,577	2,428	1,401	2,318
IA	45	57	103	101	155	199	353	355	1,361	2,049	1,226	1,735
MO	65	66	163	157	133	130	332	310	1,231	1,621	1,112	1,826
ND	13	15	20	22	193	222	309	318	1,322	1,805	1,309	2,017
SD	12	13	22	23	180	177	320	330	1,244	1,684	994	1,441
NE	28	29	64	65	180	184	410	407	1,151	1,509	1,207	1,785
KS	38	43	89	96	160	174	376	390	1,309	1,687	1,092	1,700
So. Atl	**567**	**609**	**1,337**	**1,436**	**153**	**149**	**362**	**351**	**1,240**	**1,834**	**1,147**	**1,810**
DE	16	17	16	16	262	272	265	252	1,265	1,795	1,197	1,991
MD	82	80	149	143	194	178	353	321	1,308	2,046	1,429	2,233
DC	(x)	(x)	49	51	(x)	(x)	762	817	(x)	(x)	1,775	2,594
VA	94	102	175	195	176	177	327	336	1,240	1,895	1,189	1,787
WV	40	34	60	61	204	180	307	317	1,066	1,574	1,091	1,625
NC	87	93	212	216	147	147	360	341	1,298	1,935	1,091	1,662
SC	61	69	100	109	196	204	319	322	1,234	1,705	978	1,558
GA	83	91	224	239	152	149	410	391	1,193	1,811	995	1,589
FL	105	124	354	407	107	106	364	348	1,242	1,748	1,177	1,872
E. So. Cent	**223**	**247**	**482**	**486**	**152**	**162**	**329**	**320**	**1,183**	**1,706**	**1,036**	**1,512**
KY	58	63	97	102	158	170	265	275	1,179	1,651	1,108	1,596
TN	63	71	162	157	137	147	353	327	1,172	1,746	1,084	1,554
AL	63	70	134	131	161	174	344	324	1,280	1,884	1,013	1,532
MS	40	42	90	95	159	161	355	364	1,052	1,430	903	1,324
W. So. Cent	**344**	**381**	**839**	**964**	**145**	**142**	**354**	**359**	**1,213**	**1,817**	**1,106**	**1,665**
AR	38	39	69	71	164	163	301	299	1,097	1,724	927	1,388
LA	81	86	142	151	193	191	339	337	1,163	1,673	1,022	1,494
OK	56	64	102	109	186	195	338	329	1,190	1,733	1,029	1,595
TX	169	193	525	633	119	115	370	379	1,272	1,927	1,168	1,748
Mt.	**191**	**219**	**399**	**457**	**168**	**168**	**351**	**351**	**1,418**	**1,976**	**1,308**	**1,964**
MT	16	16	28	29	199	192	357	349	1,335	1,864	1,190	1,727
ID	15	18	31	33	158	175	323	332	1,353	1,766	1,106	1,535
WY	9	11	21	25	193	213	450	494	1,470	1,924	1,287	1,967
CO	43	50	106	122	147	155	368	375	1,588	2,368	1,320	2,017
NM	34	34	43	49	259	231	330	332	1,262	1,792	1,136	1,680
AZ	37	43	100	119	137	128	368	358	1,405	2,126	1,461	2,185
UT	26	33	42	47	177	197	287	283	1,415	1,654	1,263	1,900
NV	12	15	28	33	152	154	349	343	1,498	1,990	1,401	2,140
Pac.	**416**	**465**	**1,112**	**1,231**	**131**	**124**	**350**	**328**	**1,725**	**2,530**	**1,618**	**2,456**
WA	71	79	133	143	173	177	322	320	1,526	2,231	1,555	2,134
OR	43	44	92	91	164	163	350	336	1,397	1,975	1,402	2,018
CA	249	279	859	965	105	104	383	358	1,867	2,751	1,842	2,535
AK	17	21	15	20	416	393	387	377	2,065	3,228	2,301	3,324
HI	36	41	12	12	378	389	125	113	1,403	1,844	1,395	2,010

X Not applicable. [1] Data not comparable with 1980 due to a change in how full-time equivalent was calculated. See text, section 9. [2] Estimates subject to sampling variation; see source and Appendix III. [3] 1980 based on enumerated resident population as of April 1; 1986 based on estimated resident population as of July 1. [4] For full-time employees.

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1, annual.

NO. 486. CITY GOVERNMENT EMPLOYMENT AND PAYROLLS: 1960 TO 1986

[For **October**. Includes only those school systems operated as part of the city government. Represents average for period of intervals shown; for 1960, change from 1955. 1972, 1977, and 1982 based on complete census of all cities; other years based on sample and subject to sampling variation. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (−) indicates decrease]

YEAR	ALL EMPLOYEES, FULL-TIME AND PART-TIME (1,000)		OCTOBER PAYROLLS (mil. dol.)		AVERAGE ANNUAL PERCENT CHANGE		FULL-TIME EQUIVALENT EMPLOYMENT (1,000)			AVERAGE EARNINGS IN OCTOBER, FULL-TIME EMPLOYEES (dollars)	
	Total	Excl. education	Total	Excl. education	All employees	October payroll	Total	Education	Other	Education	Other
1960	1,692	1,439	583	471	3.3	7.1	1,447	225	1,222	502	387
1965	1,884	1,560	818	649	2.2	7.0	1,638	282	1,356	603	480
1970	2,244	1,815	1,361	1,062	3.6	10.7	1,922	359	1,563	838	681
1971	2,273	1,838	1,482	1,167	1.3	8.9	1,960	366	1,594	876	735
1972	2,375	1,918	1,654	1,302	4.5	11.6	2,029	378	1,650	951	792
1973	2,471	1,992	1,855	1,441	4.0	12.2	2,109	402	1,707	1,045	846
1974	2,491	2,009	1,985	1,580	.8	7.0	2,127	405	1,722	1,060	909
1975	2,506	2,074	2,129	1,725	.6	7.3	2,142	376	1,767	1,130	972
1976	2,443	2,021	2,235	1,804	−2.5	5.0	2,107	360	1,747	1,207	1,035
1977	2,511	2,084	2,415	1,959	2.8	8.0	2,168	358	1,812	1,280	1,087
1978	2,511	2,086	2,537	2,059	(Z)	5.1	2,165	361	1,804	1,341	1,149
1979	2,553	2,121	2,729	2,215	1.7	7.6	2,189	364	1,825	1,414	1,231
1980	2,561	2,130	2,942	2,403	.3	7.8	2,166	360	1,806	1,501	1,338
1981	2,489	2,056	3,222	2,640	−3.6	9.5	2,111	346	1,765	1,686	1,500
1982	2,396	2,015	3,428	2,861	−2.9	6.4	2,088	317	1,770	1,791	1,625
1983	2,423	2,051	3,640	3,059	1.1	6.2	2,080	300	1,780	1,962	1,739
1984	2,434	2,070	3,872	3,268	.4	6.4	2,090	300	1,790	2,033	1,831
1985	2,467	2,102	4,191	3,536	1.4	8.2	(NA)	(NA)	(NA)	2,117	1,953
1986	2,494	2,126	4,407	3,724	1.1	5.1	[1] 2,181	[1] 320	[1] 1,860	2,186	2,044

NA Not available. Z Less than .05 percent. [1] Data not comparable with previous years due to a change in how full-time equivalent was calculated. See text, section 9.

Source: U.S. Bureau of the Census, *Census of Governments, 1972, 1977,* and *1982, Vol. 3, No. 2, Compendium of Public Employment,* and *City Employment,* series GE, No. 2, annual.

NO. 487. CITY GOVERNMENT EMPLOYMENT AND PAYROLLS—ALL CITIES AND CITIES WITH 50,000 POPULATION OR MORE, BY FUNCTION: 1980 TO 1986

[For **October**]

ITEM	EMPLOYEES (1,000)						OCTOBER PAYROLLS (mil. dol.)					
	All cities [1]			Cities with 50,000 population or more [2]			All cities [1]			Cities with 50,000 population or more [2]		
	1980	1984	1986	1980	1984	1986	1980	1984	1986	1980	1984	1986
Total	**2,561**	**2,434**	**2,494**	**1,645**	**1,558**	**1,596**	**2,942**	**3,872**	**4,407**	**2,182**	**2,837**	**3,253**
Full-time	2,071	2,007	2,050	1,437	1,376	1,421	2,826	3,731	4,231	2,111	2,758	3,150
Part-time	489	427	445	208	182	175	116	141	175	71	80	103
Full-time equivalent [3]	**2,166**	**2,090**	**2,181**	**1,493**	**1,422**	**1,496**	(X)	(X)	(X)	(X)	(X)	(X)
Education [4]	360	300	320	304	251	269	539	604	683	463	520	587
Percent of total	17	14	15	20	18	18	18	16	15	21	18	18
Instructional staff	266	222	233	224	188	196	436	492	553	376	427	473
Others	94	78	87	80	64	74	102	112	130	87	93	114
Highways	121	121	127	60	61	64	141	196	223	77	112	127
Public welfare	41	44	50	38	40	45	47	71	91	45	67	85
Hospitals	131	123	124	87	84	85	143	189	211	102	140	153
Health	35	34	38	32	31	34	47	59	73	44	54	66
Police protection	365	373	391	224	229	239	550	761	858	389	512	575
Fire protection	190	191	194	130	130	131	300	421	478	218	307	351
Sewerage	60	64	67	32	35	37	74	106	122	44	62	73
Sanitation	104	91	92	63	55	57	118	137	163	81	95	119
Parks and recreation	103	97	112	72	67	76	116	149	170	84	106	121
Housing, urban renewal	44	43	46	38	38	40	57	78	92	51	70	83
Correction	18	24	25	17	23	25	27	50	63	26	49	62
Libraries	34	38	43	25	27	30	38	53	63	28	39	46
Financial administration	69	66	71	38	37	38	65	113	130	51	67	77
General control	112	117	113	66	64	69	147	207	230	96	125	181
Local utilities [5]	209	219	226	139	149	154	306	431	493	225	325	374
Water supply	93	96	99	50	52	54	116	161	182	70	98	111
Electric power	44	48	50	24	28	29	67	105	119	41	70	81
Transit	66	68	70	62	65	67	115	155	178	110	150	174
All other functions	171	141	141	127	100	100	206	246	267	159	165	203

X Not applicable. [1] Data are estimates subject to sampling variation; see source and Appendix III. [2] 1980 and 1984 based on enumerated resident population as of April 1, 1980; 1986 based on estimated resident population as of July 1. [3] 1986 data not comparable with previous years due to a change in how full-time equivalent was calculated. See text, section 9. [4] City-operated schools and colleges only. [5] Includes gas supply, not shown below.

Source: U.S. Bureau of the Census, *City Employment,* series GE, No. 2, annual.

No. 488. City Government Employment and Payroll—Selected Large Cities: 1980 to 1986

[For October. See text, section 9. See footnote 3, table 473, for those areas representing city/county consolidated governments]

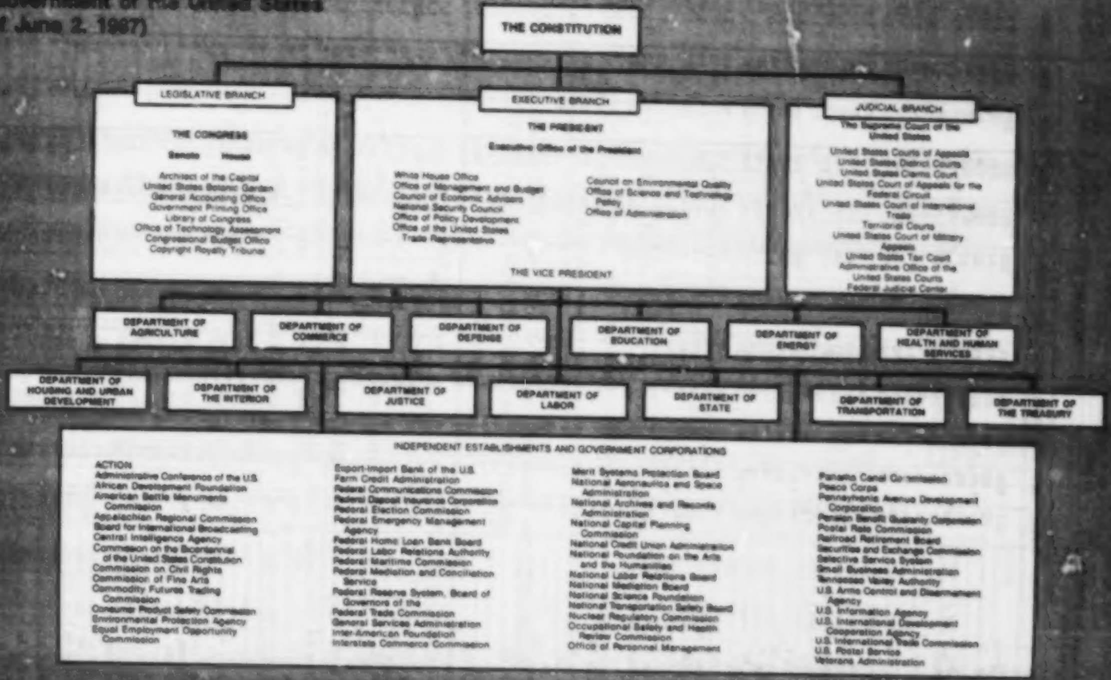
CITIES RANKED BY 1986 POPULATION	TOTAL EMPLOYMENT (1,000)				FULL-TIME EQUIVALENT EMPLOYMENT: Total (1,000)			FULL-TIME EQUIVALENT EMPLOYMENT: Per 10,000 population [2]		OCTOBER PAYROLL (mil. dol.)		AVERAGE EARNINGS IN OCTOBER, FULL-TIME EMPLOYEES (dol.)	
	1980	1984	1985	1986	1980	1984	1986 [1]	1980	1986 [1]	1980	1986	1980	1986
New York, NY [3] [4]	364	374	393	395	319	335	368	451	507	504	843	1,587	2,331
Los Angeles, CA	42	42	43	44	41	42	44	138	135	73	135	1,806	3,060
Chicago, IL	47	[5] 45	[5] 45	41	45	[5] 44	40	150	134	71	106	1,569	2,630
Houston, TX	18	20	21	21	18	20	21	111	120	26	40	1,499	1,927
Philadelphia, PA	33	33	33	33	32	32	32	169	195	51	73	1,611	2,298
Detroit, MI	22	18	20	21	22	18	20	179	187	40	51	1,852	2,527
San Diego, CA	8	8	8	9	7	7	8	81	81	12	20	1,773	2,474
Dallas, TX	14	15	[6] 15	[8] 15	14	15	[8] 15	153	[8] 144	20	[8] 28	1,465	[8] 1,945
San Antonio, TX	10	12	13	13	10	12	12	128	136	13	23	1,282	1,910
Phoenix, AZ	9	10	10	10	9	9	10	114	115	14	19	1,517	1,836
Honolulu, HI	9	9	9	9	9	8	8	117	103	12	17	1,401	2,051
Baltimore, MD [3] [4]	44	34	31	31	40	30	31	514	406	47	60	1,172	2,023
San Francisco, CA	21	24	25	24	21	24	24	310	325	37	70	1,761	2,888
Indianapolis, IN	13	11	12	13	12	11	12	174	167	13	19	1,098	1,619
San Jose, CA	[7] 4	5	5	6	[7] 4	4	5	[7] 60	70	[7] 7	15	[7] 1,714	3,163
Memphis, TN [3]	25	[5] 27	23	[8] 24	22	[5] 23	[8] 20	342	[8] 306	29	[8] 38	1,335	[8] 1,929
Washington, DC [3] [4]	45	42	44	44	42	40	42	651	678	73	106	1,761	2,554
Jacksonville, FL	[9] 11	9	9	10	[9] 11	8	9	[9] 202	147	[9] 11	19	[9] 1,031	2,256
Milwaukee, WI	10	9	9	9	9	9	9	145	146	15	20	1,631	2,280
Boston, MA [3]	[7] 28	[10] 21	21	21	[7] 25	[10] 19	21	[7] 444	365	[7] 35	46	[7] 1,398	2,190
Columbus, OH	8	7	7	7	7	6	7	122	119	10	13	1,498	2,027
New Orleans, LA	[11] 13	11	11	[12] 11	[11] 13	11	[12] 11	[11] 225	[12] 201	[11] 11	[12] 18	[11] 919	[12] 1,602
Cleveland, OH	10	9	9	9	9	8	9	160	160	13	19	1,460	2,172
Denver, CO	13	11	12	12	12	11	12	244	231	18	27	1,540	2,378
El Paso, TX	5	5	[6] 5	4	4	4	4	104	89	3	7	942	1,631
Seattle, WA	10	10	10	10	9	9	9	188	195	77	24	1,830	2,634
Nashville-Davidson, TN [3]	[13] 18	17	18	[8] 17	[13] 17	16	[8] 17	[13] 374	[8] 357	[13] 22	[8] 32	[13] 1,205	[8] 1,906
Austin, TX	8	9	10	10	7	9	10	199	213	10	21	1,515	2,160
Oklahoma City, OK	5	5	[6] 5	5	4	5	5	104	102	6	9	1,323	1,947
Kansas City, MO	7	7	8	6	7	7	6	145	136	9	13	1,368	2,130
Fort Worth, TX	[9] 5	5	5	5	[9] 5	5	5	[9] 120	116	[9] 5	10	[9] 1,196	2,065
St. Louis, MO	13	11	9	8	13	10	8	280	166	15	15	1,279	1,891
Atlanta, GA	8	8	8	7	8	8	7	187	174	10	14	1,230	1,862
Long Beach, CA	[7] 5	5	5	5	[7] 4	5	5	[7] 122	126	[7] 7	13	[7] 1,678	2,681
Portland, OR	5	5	[6] 5	5	4	4	5	115	117	8	11	1,916	2,594
Pittsburgh, PA	[11] 6	6	6	6	[11] 6	6	6	[11] 135	153	[11] 6	12	[11] 1,116	2,093
Miami, FL	4	4	4	5	4	4	4	118	112	6	11	1,408	2,790
Tulsa, OK	[7] 4	[7] 4	[7] 4	4	[7] 4	[7] 4	4	[7] 115	111	[7] 5	8	[7] 1,184	1,994
Cincinnati, OH	7	7	6	7	7	6	6	174	160	10	13	1,527	2,176
Baton Rouge, LA	[11] 4	5	5	5	[11] 4	5	5	[11] 106	132	[11] 3	8	[11] 908	1,964
Albuquerque, NM	[9] 4	6	6	6	[9] 4	5	5	[9] 119	142	[9] 4	9	[9] 1,135	1,955
Tucson, AZ	4	4	5	5	4	4	5	124	131	6	10	1,474	2,178
Oakland, CA	4	4	4	4	4	4	4	109	111	7	11	2,011	2,776
Minneapolis, MN	6	6	5	6	5	5	6	136	170	9	13	1,821	2,240
Charlotte, NC	4	4	4	4	4	4	4	125	118	5	8	1,290	1,958
Omaha, NE	3	3	3	3	3	3	3	92	82	5	7	1,684	2,476
Toledo, OH	4	3	3	3	3	3	3	96	96	6	8	1,758	2,430
Virginia Beach, VA [3]	10	10	11	11	9	9	11	346	321	11	18	1,204	1,725
Buffalo, NY [3]	14	12	12	12	13	11	11	348	334	18	23	1,475	2,155
Sacramento, CA	3	3	3	4	3	3	3	119	102	6	8	1,762	2,602
Newark, NJ [14]	12	[15] 5	[15] 5	[15] 5	12	[15] 5	[15] 5	374	[15] 154	17	[15] 8	1,387	[15] 1,698
Wichita, KS	3	3	3	3	3	3	3	111	96	4	5	1,327	1,963
Louisville, KY	6	5	5	5	6	4	5	186	158	7	7	1,356	1,622
Fresno, CA	3	3	3	3	3	2	2	115	88	4	6	1,607	2,481
Tampa, FL	5	4	4	4	5	4	4	165	143	5	8	1,178	1,971
Birmingham, AL	4	4	4	4	4	3	4	126	133	5	7	1,333	1,855
Norfolk, VA [3]	11	11	11	11	10	10	10	380	378	12	19	1,222	1,896
Colorado Springs, CO	4	4	5	5	3	4	5	158	176	5	10	1,445	2,124
Corpus Christi, TX	[11] 3	3	3	3	[11] 3	3	3	[11] 123	112	[11] 3	5	[11] 942	1,700
St. Paul, MN	4	3	3	3	3	3	3	125	123	6	8	1,734	2,580
Mesa, AZ	1	2	2	2	1	2	2	89	76	2	5	1,592	2,720
Arlington, TX	[9] 1	2	2	2	[9] 1	1	2	[9] 63	82	[9] 1	4	[9] 1,180	2,012
Anaheim, CA	2	3	3	3	2	2	2	91	87	3	6	1,616	2,785
St. Petersburg, FL	3	3	3	3	3	3	3	138	122	4	5	1,173	1,949
Santa Ana, CA	2	2	2	2	1	1	2	68	73	2	5	1,819	2,944
Rochester, NY [3]	[13] 10	8	[16] 9	8	[13] 9	7	8	[13] 358	320	[13] 14	19	[13] 1,630	2,548
Anchorage, AK [3]	8	9	[16] 9	9	7	8	6	397	347	16	28	2,288	3,523
Akron, OH	3	3	3	3	3	3	3	123	126	4	5	1,509	2,004
Shreveport, LA	3	3	3	3	3	3	3	142	131	3	4	954	1,456
Jersey City, NJ [3]	9	8	9	10	8	8	9	351	417	11	19	1,397	2,109
Aurora, CO	2	2	2	2	2	2	2	95	76	2	4	1,418	2,144
Richmond, VA [3]	[13] 10	10	10	10	[13] 10	10	10	[13] 454	437	[13] 12	19	[13] 1,225	1,959
Lexington-Fayette, KY	3	3	4	3	2	3	3	122	126	3	4	1,055	1,665
Jackson, MS	3	3	3	2	3	3	2	135	111	3	4	1,045	1,663
Mobile, AL	[7] 3	2	2	2	[7] 3	2	2	[7] 138	106	[7] 3	4	[7] 1,047	1,826

[1] 1986 data not comparable to previous years due to a change in how full-time equivalent was calculated. See text. [2] Based on 1980 enumerated resident population as of April 1 and 1986 estimated resident population as of July 1. [3] Includes city-operated elementary and secondary schools. [4] Includes city-operated university or college. [5] 1982 data. [6] 1984 data. [7] 1979 data. [8] Noneducation data are for 1985. [9] 1978 data. [10] Includes 1982 education data. [11] 1977 data. [12] 1985 data. [13] Noneducation data are for 1979. [14] Effective 1983, city no longer has dependent schools. [15] 1983 data. [16] Noneducation data are for 1984.

Source: U.S. Bureau of the Census, *City Employment*, series GE, No. 2, annual.

Figure 10.1

The Government of the United States
(As of June 2, 1987)


THE CONSTITUTION
LEGISLATIVE BRANCH
THE CONGRESS
Senate House
Architect of the Capitol
United States Botanic Garden
General Accounting Office
Government Printing Office
Library of Congress
Office of Technology Assessment
Congressional Budget Office
Copyright Royalty Tribunal
EXECUTIVE BRANCH
THE PRESIDENT
Executive Office of the President
White House Office
Office of Management and Budget
Council of Economic Advisers
National Security Council
Office of Policy Development
Office of the United States Trade Representative
Council on Environmental Quality
Office of Science and Technology Policy
Office of Administration
THE VICE PRESIDENT
JUDICIAL BRANCH
The Supreme Court of the United States
United States Courts of Appeals
United States District Courts
United States Claims Court
United States Court of Appeals for the Federal Circuit
United States Court of International Trade
Territorial Courts
United States Court of Military Appeals
United States Tax Court
Administrative Office of the United States Courts
Federal Judicial Center
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
DEPARTMENT OF DEFENSE
DEPARTMENT OF EDUCATION
DEPARTMENT OF ENERGY
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
DEPARTMENT OF THE INTERIOR
DEPARTMENT OF JUSTICE
DEPARTMENT OF LABOR
DEPARTMENT OF STATE
DEPARTMENT OF TRANSPORTATION
DEPARTMENT OF THE TREASURY
INDEPENDENT ESTABLISHMENTS AND GOVERNMENT CORPORATIONS
ACTION
Administrative Conference of the U.S.
African Development Foundation
American Battle Monuments Commission
Appalachian Regional Commission
Board for International Broadcasting
Central Intelligence Agency
Commission on the Bicentennial of the United States Constitution
Commission on Civil Rights
Commission of Fine Arts
Commodity Futures Trading Commission
Consumer Product Safety Commission
Environmental Protection Agency
Equal Employment Opportunity Commission
Export-Import Bank of the U.S.
Farm Credit Administration
Federal Communications Commission
Federal Deposit Insurance Corporation
Federal Election Commission
Federal Emergency Management Agency
Federal Home Loan Bank Board
Federal Labor Relations Authority
Federal Maritime Commission
Federal Mediation and Conciliation Service
Federal Reserve System, Board of Governors of the
Federal Trade Commission
General Services Administration
Inter-American Foundation
Interstate Commerce Commission
Merit Systems Protection Board
National Aeronautics and Space Administration
National Archives and Records Administration
National Capital Planning Commission
National Credit Union Administration
National Foundation on the Arts and the Humanities
National Labor Relations Board
National Mediation Board
National Science Foundation
National Transportation Safety Board
Nuclear Regulatory Commission
Occupational Safety and Health Review Commission
Office of Personnel Management
Panama Canal Commission
Peace Corps
Pennsylvania Avenue Development Corporation
Pension Benefit Guaranty Corporation
Postal Rate Commission
Railroad Retirement Board
Securities and Exchange Commission
Selective Service System
Small Business Administration
Tennessee Valley Authority
U.S. Arms Control and Disarmament Agency
U.S. Information Agency
U.S. International Development Cooperation Agency
U.S. International Trade Commission
U.S. Postal Service
Veterans Administration

Section 10

Federal Government Finances and Employment

This section presents statistics relating to the financial structure and the civilian employment of the Federal Government. The fiscal data cover taxes, other receipts, outlays, and debt. The principal sources of fiscal data are *The Budget of the United States Government* and related documents, published annually by the Office of Management and Budget (OMB), and the Department of the Treasury's *United States Government Annual Report* and its *Appendix*. Detailed data on tax returns and collections are published annually by the Internal Revenue Service. The personnel data relate to staffing and payrolls for the various public functions and agencies, to employee characteristics, and to civil service status; they are published by the Office of Personnel Management and the Bureau of Labor Statistics (see p. 302). The primary source for data on public lands is *Public Land Statistics*, published annually by the Bureau of Land Management, Department of the Interior. Data on federally owned land and real property are collected by the General Services Administration and presented in its annual *Inventory Report on Real Property Owned by the United States Throughout the World*.

Budget concept.—Under the unified budget concept, all Federal monies are included in one comprehensive budget. These monies comprise both Federal funds and trust funds. Federal funds are derived mainly from taxes and borrowing and are not restricted by law to any specific government purpose. Trust funds, such as the Unemployment Trust Fund, collect certain taxes and other receipts for use in carrying out specific purposes or programs in accordance with the terms of the trust agreement or statute. Fund balances include both cash balances with Treasury and investments in U.S. securities. Part of the balance is obligated, part unobligated. In recent years, the budget totals, under provisions of law, have excluded some Federal activities—including the Federal Financing Bank, the Postal Service, the Synthetic Fuels Corporation, and the lending activities of the Rural Electrification Administration. The Balanced Budget and Emergency Deficit Control Act of 1985 (P.L. 99-177) repealed the off-budget status of these entities and placed social security (Federal old-age and survivors insurance and the Federal disability insurance trust funds) off-budget. Though social security is now off-budget and, by law, excluded from coverage of the congressional budget resolutions, it continues to be a Federal program. Data showing unified budget totals of budget receipts and outlays that incorporate social security are presented in the 1989 Budget for the years 1936 to 1993; more detailed tables generally show data since 1976.

Receipts arising from the Government's sovereign powers are reported as governmental receipts; all other receipts, i.e., from business-type or market-oriented activities, are offset against outlays. Outlays are reported on a checks-issued (net) basis (i.e., outlays are recorded at the time the checks to pay bills are issued).

Debt concept.—For most of U.S. history, the total debt consisted of debt borrowed by the Treasury (i.e., public debt). The present debt series, includes both public debt and agency debt. The *gross Federal debt* includes money borrowed by the Treasury and by various Federal agencies; it is the broadest generally used measure of the Federal debt. *Total public debt* is covered by a statutory debt limitation, currently $2.8 trillion, and includes only borrowing by the Treasury.

Treasury receipts and outlays.—All receipts of the Government, with a few exceptions, are deposited to the credit of the U.S. Treasury regardless of ultimate disposition. Under the Constitution, no money may be withdrawn from the Treasury unless appropriated by the Congress.

The day-to-day cash operations of the Federal Government clearing through the accounts of the U.S. Treasury are reported in the *Daily Treasury Statement*. Extensive detail on the public debt is published in the *Monthly Statement of the Public Debt of the United States*.

Budget receipts such as taxes, customs duties, and miscellaneous receipts, which are collected by Government agencies, and outlays represented by checks issued and cash payments made by disbursing officers as well as government agencies are reported in the *Monthly Treasury Statement* *of Receipts and Outlays of the United States Government* and in the Treasury's *United States Government Annual Report* and its *Appendix*. These deposits in, and payments from, accounts maintained by Government agencies are on the same basis as the unified budget.

The quarterly *Treasury Bulletin* contains data on fiscal operations and related Treasury activities, including financial statements of Government corporations and other business-type activities.

Income tax returns and tax collections.—Tax data are compiled by the Internal Revenue Service of the Treasury Department. The *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service* gives a detailed account of tax collections by kind of tax and by regions, districts, and States. The agency's annual *Statistics of Income* reports present detailed data from individual income tax returns and corporation income tax returns. The quarterly *Statistics of Income Bulletin* has, in general, replaced the supplemental *Statistics of Income* publications which presented data on such diverse subjects as tax-exempt organizations, unincorporated businesses, fiduciary income tax and estate tax returns, sales of capital assets by individuals, international income and taxes reported by corporations and individuals, and estate tax wealth.

Employment and payrolls.—The Office of Personnel Management collects employment and payroll data from all departments and agencies of the Federal Government, except the Central Intelligence Agency, the National Security Agency, and the Defense Intelligence Agency. Employment figures represent the number of persons who occupied civilian positions at the end of the report month shown and who are paid for personal services rendered for the Federal Government, regardless of the nature of appointment or method of payment.

Federal payrolls include all payments for personal services rendered during the report month and payments for accumulated annual leave of employees who separate from the service. Since most Federal employees are paid on a biweekly basis, the calendar month earnings are partially estimated on the basis of the number of work days in each month where payroll periods overlap.

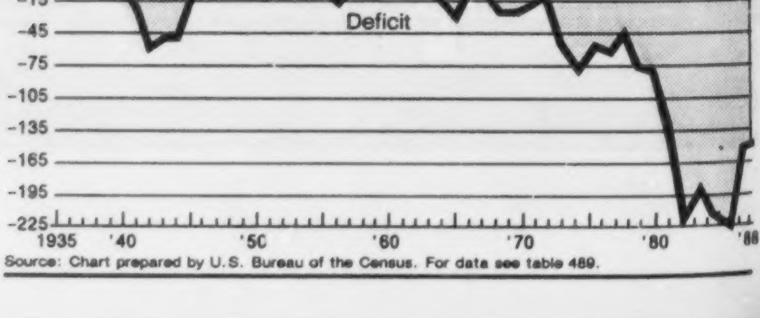
Federal employment and payroll figures are published by the Office of Personnel Management in its *Federal Civilian Workforce Statistics—Employment and Trends*. It also publishes biennial employment data for minority groups, data on occupations of white- and blue-collar workers, and data on employment by geographic area; reports on salary and wage distribution of Federal employees are published annually. General schedule is primarily white collar; wage system primarily blue collar. Data on Federal employment are also issued by the Bureau of Labor Statistics in its *Monthly Labor Review* and in *Employment and Earnings* and by the Bureau of the Census in its annual *Public Employment*.

Public lands.—The data on applications, entries, selections, patents, and certifications refer to transactions which involve the disposal, under the public land laws (including the homestead laws), of Federal public lands to non-Federal owners. In general, original entries and selections are applications to secure title to public lands which have been accepted as properly filed (i.e., allowed). Some types of applications, however, are not reported until issuance of the final certificate, which passes equitable title to the land to the applicant. Applications are approved when full compliance with the requirements of the laws is shown and become final entries (perfected entries) upon issuance of a final certificate. Patents are Government deeds which pass legal title to the land to the applicant. Certifications are issued in lieu of patents in connection with certain State selections.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Figure 10.2

Federal Budget Surplus or Deficit: 1935 to 1988



Source: Chart prepared by U.S. Bureau of the Census. For data see table 489.

NO. 489. FEDERAL BUDGET—SUMMARY: 1945 TO 1988

[In billions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. The Balanced Budget and Emergency Deficit Control Act of 1985 put all the previously off-budget Federal entities into the budget and moved Social Security off-budget. Minus sign (–) indicates deficit or decrease. See also *Historical Statistics, Colonial Times to 1970*, series Y 339–342]

YEAR	RECEIPTS			OUTLAYS					SURPLUS OR DEFICIT (–)			Outstanding gross debt [2]	AVERAGE ANNUAL PERCENT CHANGE [3]					PERCENT OF GNP [4]				Outlays, off-budget
														OUTLAYS				OUTLAYS				
	Total [1]	Federal funds	Trust funds	Total [1]	Federal funds	Trust funds	Human resources	National defense	Total [1]	Federal funds	Trust funds		Receipts	Total	Federal funds	Trust funds	Outstanding gross debt	Total	Human resources	National defense	Outstanding gross debt	
1945	45.2	41.9	3.6	92.7	94.8	–.6	1.9	83.0	–47.6	–53.0	4.3	260.1	3.2	1.5	2.8	(X)	[5] 27.5	43.6	.9	39.1	122.5	.1
1950	39.4	35.3	3.5	42.6	38.4	5.1	14.2	13.7	–3.1	–3.1	–1.6	256.9	–2.7	–14.4	–16.6	(X)	–.3	16.0	5.3	5.1	96.3	.5
1955	65.5	58.2	3.1	68.4	62.3	3.0	14.9	42.7	–3.0	–4.2	.1	274.4	10.7	10.0	10.2	–10.0	1.3	17.7	3.9	11.1	71.0	4.0
1960	92.5	75.6	7.8	92.2	74.9	8.1	26.2	48.1	.3	.8	–.3	290.9	7.2	6.1	3.7	21.9	1.2	18.2	5.2	9.5	57.4	10.9
1961	94.4	75.2	9.4	97.7	79.4	9.0	29.8	49.6	–3.3	–4.2	.4	292.9	2.0	6.0	6.0	10.7	.7	18.9	5.8	9.6	56.5	11.7
1962	99.7	79.7	9.9	106.8	86.5	8.9	31.6	52.3	–7.1	–6.8	1.0	303.3	5.6	9.3	9.0	–.8	3.5	19.2	5.7	9.4	54.4	13.5
1963	106.6	84.0	10.8	111.3	90.6	8.1	33.5	53.4	–4.8	–6.6	2.7	310.8	6.9	4.2	4.7	–8.8	2.5	18.9	5.7	9.1	52.9	15.0
1964	112.6	87.5	11.2	118.5	96.1	9.2	35.3	54.8	–5.9	–8.6	2.0	316.8	5.7	6.5	6.0	12.8	1.9	18.8	5.6	8.7	50.3	15.7
1965	116.8	90.9	11.5	118.2	94.9	9.2	36.6	50.6	–1.4	–3.9	2.3	323.2	3.7	–.3	–1.3	.8	2.0	17.6	5.4	7.5	48.0	16.5
1966	130.8	101.4	12.9	134.5	106.6	10.8	43.3	58.1	–3.7	–5.2	2.1	329.5	12.0	13.8	12.4	16.8	2.0	18.2	5.9	7.9	44.6	19.7
1967	148.8	111.8	16.5	157.5	127.5	13.4	51.3	71.4	–8.6	–15.7	3.1	341.3	13.7	17.0	19.7	24.3	3.6	19.8	6.5	9.0	43.0	20.4
1968	153.0	114.7	17.6	178.1	143.1	16.9	59.4	81.9	–25.2	–28.4	.6	369.8	2.8	13.1	12.2	26.2	8.3	21.0	7.0	9.6	43.5	22.3
1969	186.9	143.3	20.1	183.6	148.2	15.7	66.4	82.5	3.2	–4.9	4.4	367.1	22.2	3.1	3.6	–7.4	–.7	19.8	7.1	8.9	39.5	25.2
1970	192.8	143.2	22.3	195.6	156.3	17.8	75.3	81.7	–2.8	–13.2	4.5	382.6	3.2	6.5	5.5	13.6	4.2	19.8	7.6	8.3	38.6	27.6
1971	187.1	133.8	26.0	210.2	163.7	22.2	91.9	78.9	–23.0	–29.9	3.8	409.5	–2.9	7.4	4.7	24.5	7.0	19.9	8.7	7.5	38.8	32.8
1972	207.3	148.8	28.4	230.7	178.1	25.5	107.2	79.2	–23.4	–29.3	2.9	437.3	10.8	9.8	8.8	15.0	6.8	20.0	9.3	6.9	37.9	39.9
1973	230.8	161.4	41.2	245.7	187.0	30.9	119.5	76.7	–14.9	–25.7	10.3	468.4	11.3	6.5	5.0	21.0	7.1	19.2	9.3	6.0	36.6	45.6
1974	263.2	181.2	46.1	269.4	201.4	33.9	135.8	79.3	–6.1	–20.1	12.2	486.2	14.0	9.6	7.7	9.7	3.8	19.0	9.6	5.6	34.3	52.1
1975	279.1	187.5	51.0	332.3	248.2	45.6	173.2	86.5	–53.2	–60.7	5.4	544.1	6.0	23.4	23.2	34.4	11.9	21.8	11.4	5.7	35.7	60.4
1976	298.1	201.1	61.8	371.8	277.2	56.2	203.6	89.6	–73.7	–76.1	5.6	631.9	6.8	11.9	11.7	23.3	16.1	21.9	12.0	5.3	37.2	69.6
1976 [6]	81.2	54.1	13.3	96.0	66.9	13.8	52.1	22.3	–14.7	–12.8	–.5	646.4	(X)	(X)	(X)	(X)	(X)	21.4	11.6	5.0	36.0	19.4
1977	355.6	241.3	70.3	409.2	304.5	56.9	221.9	97.2	–53.6	–63.1	13.4	709.1	19.3	10.1	9.8	1.3	12.2	21.2	11.5	5.0	36.7	80.7
1978	399.6	270.5	76.9	458.7	342.4	59.9	242.3	104.5	–59.2	–71.9	17.0	780.4	12.4	12.1	12.4	5.2	10.1	21.1	11.2	4.8	35.9	89.7
1979	463.3	316.4	86.0	503.5	374.9	65.7	267.6	116.3	–40.2	–58.5	20.3	833.8	16.0	9.8	9.5	9.6	6.8	20.6	10.9	4.8	34.1	100.0
1980	517.1	350.9	94.7	590.9	433.5	84.8	313.4	134.0	–73.8	–82.6	9.9	914.3	11.6	17.4	15.6	29.1	9.7	22.1	11.7	5.0	34.2	114.3
1981	599.3	410.4	106.0	678.2	496.2	94.2	362.0	157.5	–78.9	–85.8	11.8	1,003.9	15.9	14.8	14.5	11.1	9.8	22.7	12.1	5.3	33.6	135.2
1982	617.8	409.3	122.1	745.7	543.4	107.9	388.7	185.3	–127.9	–134.2	14.2	1,147.0	3.1	10.0	9.5	14.6	14.2	23.8	12.4	5.9	36.5	151.4
1983	600.6	382.3	147.3	808.3	613.2	124.4	426.0	209.9	–207.8	–230.8	22.9	1,381.9	–2.8	8.5	12.8	15.3	20.5	24.3	12.8	6.3	41.6	147.1
1984	666.5	419.6	158.1	851.8	637.8	125.4	432.0	227.4	–185.3	–218.2	32.6	1,576.7	11.0	5.2	4.0	.8	14.1	23.1	11.7	6.2	42.8	165.8
1985	734.1	459.5	197.5	946.3	725.9	152.7	471.8	252.7	–212.3	–266.4	44.8	1,827.5	10.1	11.1	13.8	21.8	15.9	24.0	12.0	6.4	46.3	176.8
1986	769.1	473.5	206.9	990.3	756.5	161.4	481.6	273.4	–221.2	–283.0	45.1	2,130.0	4.8	4.6	4.2	6.0	16.6	23.6	11.5	6.5	50.8	183.5
1987	854.1	537.8	216.6	1,004.6	760.9	163.6	502.2	282.0	–150.4	–223.1	53.1	2,355.3	11.1	1.4	.6	1.1	10.6	22.8	11.4	6.4	53.4	193.8
1988, est	909.2	560.8	231.5	1,055.9	805.0	170.8	534.0	285.4	–146.7	–244.2	60.7	2,581.6	6.4	5.1	5.8	4.4	9.6	22.4	11.3	6.1	54.9	203.1

X Not applicable. [1] Includes off-budget receipts, outlays, and interfund transactions. [2] End of fiscal year. See text, section 10 for discussion of debt concept. [3] For explanation of average annual percent change, see Guide to Tabular Presentation. [4] Gross national product as of fiscal year; for calendar year GNP, see table 686. [5] Change from 1944; from previous year shown for all other years. [6] Represents transition quarter, July–Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

No. 490. Federal Receipts, by Source, and Outlays, by Function: 1970 to 1988

[In billions of dollars. For fiscal years ending in year shown; see text, section 9. Receipts reflect collections; outlays stated in terms of checks issued or cash payments. Covers both Federal funds and trust funds (see text, section 10). Excludes government-sponsored but privately-owned corporations, Federal Reserve System, District of Columbia government, and money held in suspense as deposit funds. See *Historical Statistics, Colonial Times to 1970*, series Y 335-338, Y 343-351, and Y 472-487 for related data]

SOURCE OR FUNCTION	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988, est.	PERCENT DISTRIBUTION	
											1980	198
Surplus or deficit (−)	−2.8	−53.2	−73.8	−127.9	−207.8	−185.3	−212.3	−221.2	−150.4	−146.7	(X)	(X)
BY SOURCE												
Total receipts [1]	192.8	279.1	517.1	617.8	600.6	666.5	734.1	769.1	854.1	909.2	100.00	100.00
Individual income taxes	90.4	122.4	244.1	297.7	288.9	298.4	334.5	349.0	392.6	393.4	47.20	43.27
Corporation income taxes	32.8	40.6	64.6	49.2	37.0	56.9	61.3	63.1	83.9	105.6	12.49	11.61
Social insurance taxes and contributions	44.4	84.5	157.8	201.5	209.0	239.4	265.2	283.9	303.3	331.5	30.52	36.46
Employment taxes and contributions	39.1	75.2	138.7	180.7	185.8	209.7	234.6	255.1	273.0	303.1	26.83	33.33
Unemployment insurance	3.5	6.8	15.3	16.6	18.8	25.1	25.8	24.1	25.6	23.7	2.97	2.61
Contributions for other insurance and retirement	1.8	2.6	3.7	4.2	4.4	4.6	4.8	4.7	4.7	4.7	.72	.52
Excise taxes	15.7	16.6	24.3	36.3	35.3	37.4	36.0	32.9	32.5	35.3	4.70	3.88
Estate and gift taxes	3.6	4.6	6.4	8.0	6.1	6.0	6.4	7.0	7.5	7.6	1.24	.83
Customs duties	2.4	3.7	7.2	8.9	8.7	11.4	12.1	13.3	15.1	16.4	1.39	1.80
Miscellaneous receipts	3.4	6.7	12.7	16.2	15.6	17.0	18.5	19.9	19.3	19.4	2.47	2.13
Federal Reserve earning deposits	3.3	5.8	11.8	15.2	14.5	15.7	17.1	18.4	16.8	16.1	2.28	1.77
BY FUNCTION												
Total outlays [1]	195.6	332.3	590.9	745.7	808.3	851.8	946.3	990.3	1,004.6	1,055.9	100.00	100.00
National defense [1]	81.7	86.5	134.0	185.3	209.9	227.4	252.7	273.4	282.0	285.4	22.68	27.03
Dept. of Defense, military	80.1	84.9	130.9	180.7	204.4	220.9	245.1	265.5	274.0	277.3	22.15	26.26
Atomic energy defense activities	1.4	1.5	2.9	4.3	5.2	6.1	7.1	7.4	7.5	7.6	.49	.72
Defense related activities	.2	.2	.2	.3	.3	.4	.5	.5	.6	.5	.04	.05
International affairs [1]	4.3	7.1	12.7	12.3	11.8	15.9	16.2	14.2	11.6	9.9	2.15	.94
International development and humanitarian assistance	2.3	3.1	3.6	3.8	4.0	4.5	5.4	5.0	4.3	4.7	.61	.45
Conduct of foreign affairs	.4	.7	1.4	1.6	1.8	1.9	2.1	2.3	2.2	2.7	.23	.26
Foreign information and exchange	.2	.3	.5	.6	.6	.7	.8	.9	1.0	1.1	.09	.11
International financial programs activities	.3	.4	2.4	.9	−1.1	.9	−1.5	−4.5	−3.0	−1.1	.41	−.10
International security assistance	1.1	2.5	4.8	5.4	6.6	7.9	9.4	10.5	7.1	2.4	.81	.23
Income security	15.6	50.2	86.5	107.7	122.6	112.7	128.2	119.8	123.3	129.6	14.64	12.27
General retirement and disability insurance	1.0	4.7	5.1	5.6	5.6	5.4	5.6	5.3	5.6	4.9	.86	.46
Federal employee retirement and disability	5.5	13.2	26.6	34.3	36.5	38.1	38.6	41.4	43.7	46.2	4.50	4.37
Housing assistance	.5	2.1	5.6	8.7	10.0	11.3	25.3	12.4	12.7	13.8	.95	1.31
Food and nutrition assistance	1.0	6.6	14.0	15.6	18.0	18.1	18.5	18.6	18.9	20.5	2.37	1.94
Other income security	4.3	10.1	17.2	19.8	21.1	21.4	22.7	24.4	25.3	28.4	2.91	2.69
Unemployment insurance	3.4	13.5	18.1	23.7	31.5	18.4	17.5	17.8	17.1	15.8	3.05	1.49
Health	5.9	12.9	23.2	27.4	28.6	30.4	33.5	35.9	40.0	44.5	3.92	4.21
Health care services	4.0	9.5	18.0	21.8	23.0	24.5	27.0	28.9	32.6	36.3	3.05	3.44
Health research	1.1	1.9	3.4	3.9	4.0	4.4	4.9	5.4	5.6	6.5	.58	.61
Education and training of health care workforce	.6	.9	.7	.7	.6	.4	.5	.5	.6	.4	.12	.04
Consumer and occupational health and safety	.2	.6	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	.17	.12
Social Security and medicare	36.5	77.5	150.6	202.5	223.3	235.8	254.4	268.9	282.5	298.6	25.49	28.28
Social Security	30.3	64.7	118.5	156.0	170.7	178.2	188.6	198.8	207.4	219.7	20.06	20.81
Medicare	6.2	12.9	32.1	46.6	52.6	57.5	65.8	70.2	75.1	78.9	5.43	7.47
Veterans benefits and services [1]	8.7	16.6	21.2	24.0	24.8	25.6	26.3	26.4	26.8	27.7	3.59	2.63
Income security	5.5	7.9	11.7	13.7	14.3	14.4	14.7	15.0	15.0	14.9	1.98	1.42
Education, training, and rehabilitation	1.0	4.6	2.3	1.9	1.6	1.4	1.1	.5	.5	.4	.40	.04
Hospital and medical care	1.8	3.7	6.5	7.5	8.3	8.9	9.5	9.9	10.3	10.8	1.10	1.03
Housing	.1	(z)	(−z)	.1	(z)	.2	.2	.1	.3	.7	(X)	.06
Education, training, employment, and social services [1]	8.6	16.0	31.8	27.0	26.6	27.6	29.3	30.6	29.7	33.7	5.39	3.19
Elementary, secondary, and vocational education	2.9	4.4	6.9	6.8	6.3	6.5	7.6	7.8	7.9	8.6	1.17	.82
Higher education	1.4	2.2	6.7	7.2	7.2	7.4	8.2	8.4	7.4	8.5	1.14	.80
Research and general education aids	.4	.6	1.2	1.0	1.1	1.2	1.1	1.2	1.3	1.4	.20	.13
Training and employment	1.6	4.1	10.3	5.5	5.3	4.6	5.0	5.3	5.1	5.2	1.75	.49
Social services	2.3	4.4	6.1	6.0	6.1	7.2	6.7	7.2	7.4	9.2	1.03	.87

See footnotes at end of table.

NO. 490. FEDERAL RECEIPTS, BY SOURCE, AND OUTLAYS, BY FUNCTION: 1970 TO 1988—Con.

[In billions of dollars. See headnote, p. 304]

SOURCE OR FUNCTION	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988, est.	PERCENT DISTRIBUTION	
											1980	1988
Commerce and housing credit	**2.1**	**9.9**	**9.4**	**6.3**	**6.7**	**6.9**	**4.2**	**4.9**	**6.2**	**12.4**	**1.59**	**1.17**
Mortgage credit and thrift insurance	.1	6.0	5.6	4.0	3.9	3.8	.9	2.3	3.1	8.2	.95	.78
Payment to Postal Service	1.5	3.0	1.2	.2	1.1	1.2	1.4	.8	1.6	2.2	.21	.21
Other commerce	.5	1.0	2.5	2.1	1.7	1.9	2.0	1.8	1.5	1.9	.43	.18
Transportation [1]	**7.0**	**10.9**	**21.3**	**20.6**	**21.3**	**23.7**	**25.8**	**28.1**	**26.2**	**27.2**	**3.61**	**2.58**
Ground transportation	4.7	7.0	15.3	14.3	14.3	16.2	17.6	18.7	17.2	17.8	2.59	1.69
Air transportation	1.4	2.4	3.7	3.5	4.0	4.4	4.9	5.3	5.5	6.0	.63	.57
Water transportation	.9	1.4	2.2	2.7	3.0	3.0	3.2	4.0	3.5	3.3	.38	.31
Natural resources and environment [1]	**3.1**	**7.3**	**13.9**	**13.0**	**12.7**	**12.6**	**13.4**	**13.6**	**13.4**	**15.1**	**2.35**	**1.43**
Water resources	1.5	2.6	4.2	3.9	3.9	4.1	4.1	4.0	3.8	4.2	.71	.39
Conservation and land management	.4	.7	1.0	1.1	1.5	1.3	1.5	1.4	1.5	2.5	.18	.24
Recreational resources	.4	.8	1.7	1.4	1.5	1.6	1.6	1.5	1.6	1.8	.28	.17
Pollution control and abatement	.4	2.5	5.5	5.0	4.3	4.0	4.5	4.8	4.9	4.8	.93	.46
Other natural resources	.4	.8	1.4	1.5	1.5	1.6	1.7	1.9	1.7	1.9	.24	.18
Energy [1]	**1.0**	**2.9**	**10.2**	**13.5**	**9.4**	**7.1**	**5.7**	**4.7**	**4.1**	**2.7**	**1.72**	**.26**
Supply	.9	2.4	8.4	8.3	6.1	3.3	2.6	2.8	2.3	1.2	1.42	.11
Conservation	-	(Z)	.6	.5	.5	.5	.5	.5	.3	.3	.10	.03
Emergency preparedness	-	(Z)	.3	3.9	1.9	2.5	1.8	.6	.8	.6	.06	.06
Information, policy, and regulation	.1	.4	.9	.9	.9	.8	.7	.8	.7	.6	.15	.06
Community and regional development	**2.4**	**4.3**	**11.3**	**8.3**	**7.6**	**7.7**	**7.7**	**7.2**	**5.1**	**6.3**	**1.90**	**.60**
Community development	1.4	2.3	4.9	4.6	4.4	4.5	4.6	4.1	3.7	3.8	.83	.36
Area and regional development	.7	1.6	4.3	3.8	3.2	3.0	3.1	2.7	1.6	2.5	.73	.24
Disaster relief and insurance	.3	.4	2.0	−.1	(−Z)	.1	(−Z)	.4	−.2	.1	.35	.01
Agriculture [1]	**5.2**	**3.0**	**8.8**	**15.9**	**22.9**	**13.6**	**25.6**	**31.4**	**27.4**	**22.4**	**1.50**	**2.12**
Farm income stabilization	4.6	2.2	7.4	14.3	21.3	11.9	23.8	29.6	25.5	20.3	1.26	1.93
Research and services	.6	.9	1.4	1.6	1.6	1.7	1.8	1.8	1.9	2.0	.24	.19
Net interest	**14.4**	**23.2**	**52.5**	**85.0**	**89.8**	**111.1**	**129.4**	**136.0**	**138.6**	**147.9**	**8.89**	**14.00**
General science, space, and technology [2]	**4.5**	**4.0**	**5.8**	**7.2**	**7.9**	**8.3**	**8.6**	**9.0**	**9.2**	**10.9**	**.99**	**1.03**
General science and basic research	.9	1.0	1.4	1.6	1.6	1.8	2.0	2.2	2.3	2.5	.23	.23
Space flight	2.3	1.7	2.6	3.5	4.1	4.0	4.0	3.8	4.1	5.2	.44	.49
Space science, applications and technology	1.2	1.3	1.9	2.1	2.2	2.4	2.6	3.0	2.8	3.3	.31	.31
General government [1]	**2.3**	**10.4**	**13.0**	**10.9**	**11.2**	**11.8**	**11.6**	**12.5**	**7.6**	**8.8**	**.75**	**.66**
Legislative functions	.3	.6	1.0	1.2	1.2	1.3	1.4	1.4	1.4	1.6	.18	.15
Management, direction (Exec.)	(Z)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.02	.01
Central fiscal operations	.9	1.9	2.6	2.6	3.1	3.3	3.5	3.6	3.9	5.3	.44	.50
General property and records management	.6	.4	.3	.2	.2	.2	.1	.5	.1	(−Z)	.06	(X)
General purpose fiscal assistance	**.5**	**7.2**	**8.6**	**6.4**	**6.5**	**6.8**	**6.4**	**6.4**	**1.6**	**1.8**	**1.45**	**.17**
Administration of justice	**1.0**	**3.0**	**4.6**	**4.7**	**5.1**	**5.7**	**6.3**	**6.6**	**7.5**	**9.0**	**.78**	**.85**
Federal law enforcement	.6	1.3	2.2	2.5	2.9	3.2	3.5	3.6	4.1	5.0	.38	.47
Federal judicial activities [3]	.2	.6	1.3	1.5	1.6	1.8	2.1	2.2	2.5	2.8	.23	.27
Federal correctional activities	.1	.2	.3	.4	.4	.5	.5	.6	.7	.8	.06	.08
Criminal justice assistance	.1	.9	.7	.3	.2	.1	.2	.2	.3	.4	.11	.03
Undistributed offsetting receipts	**−8.6**	**−13.6**	**−19.9**	**−26.1**	**−34.0**	**−32.0**	**−32.7**	**−33.0**	**[4] −36.5**	**−36.1**	**−3.37**	**−3.42**
Employer share, employee retirement	−6.4	−11.2	−15.8	−19.8	−23.5	−25.3	−27.2	−28.3	−30.6	−33.0	−2.68	−3.12
Rents and royalties [5]	−.2	−2.4	−4.1	−6.3	−10.5	−6.7	−5.5	−4.7	−4.0	−3.2	−.69	−.30

- Represents zero. X Not applicable. Z Less than $50 million. [1] Totals reflect interfund and intragovernmental transactions and/or other functions, not shown separately. [2] Includes supporting space activities. [3] Includes litigative activities. [4] Includes sale of major assets (−1.9), not shown separately. [5] On Outer Continental Shelf.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

No. 491. Federal Budget Outlays in Current and Constant (1982) Dollars: 1970 to 1988

[For fiscal years ending in year shown; see text, section 9. Given the inherent imprecision in deflating outlays, the data shown in constant dollars present a reasonable perspective—not precision. The deflators and the categories that are deflated are as comparable over time as is feasible. See headnote, table 489. Minus sign (–) indicates decrease]

YEAR	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	Total	National defense	Total nondefense [1]	Payments for individuals [2]	Net interest [3]	Aid to State and local govt.	Total	National defense	Total nondefense [1]	Payments for individuals [2]	Net interest [3]	Aid to State and local govt.
TOTAL OUTLAYS (bil. dol.)												
1970	195.6	81.7	114.0	64.7	14.4	24.0	509.4	225.6	283.7	152.2	34.7	61.1
1971	210.2	78.9	131.3	80.4	14.8	28.1	509.4	202.7	306.7	181.0	34.0	66.7
1972	230.7	79.2	151.5	92.9	15.5	34.3	527.6	190.9	336.7	200.1	33.6	77.1
1973	245.7	76.7	169.0	104.5	17.3	41.8	527.5	175.1	352.4	215.7	35.9	88.7
1974	269.4	79.3	190.0	120.1	21.4	43.3	526.7	163.3	365.3	228.4	41.1	84.5
1975	332.3	86.5	245.8	153.5	23.2	49.7	586.0	159.8	426.2	265.8	40.4	87.0
1976	371.8	89.6	282.2	180.1	26.7	59.0	609.8	153.6	456.2	291.7	43.0	96.1
1976, TQ [4]	96.0	22.3	73.7	45.4	6.9	15.9	152.4	37.1	115.3	71.2	10.8	25.1
1977	409.2	97.2	312.0	196.3	29.9	68.3	622.6	154.3	468.3	295.5	44.6	103.5
1978	458.7	104.5	354.2	211.0	35.4	77.8	652.2	155.0	497.1	296.8	49.4	109.7
1979	503.5	116.3	387.1	232.9	42.6	82.8	660.2	159.1	501.0	301.6	54.7	106.6
1980	590.9	134.0	456.9	277.5	52.5	91.4	699.1	164.0	535.1	324.7	62.0	105.8
1981	678.2	157.5	520.7	323.4	68.7	94.7	726.5	171.4	555.2	344.3	73.7	100.6
1982	745.7	185.3	560.4	356.7	85.0	88.1	745.7	185.3	560.4	356.7	85.0	88.2
1983	808.3	209.9	598.4	395.4	89.8	92.4	774.6	201.3	573.3	378.6	86.1	88.7
1984	851.8	227.4	624.4	399.8	111.1	97.5	787.7	211.3	576.4	368.7	102.7	90.1
1985	946.3	252.7	693.6	425.6	129.4	105.7	848.0	229.4	618.7	379.7	115.9	93.8
1986	990.3	273.4	716.9	449.4	136.0	112.2	865.7	243.0	622.7	390.4	118.4	96.5
1987	1,004.6	282.0	722.6	469.4	138.6	108.2	859.3	249.8	609.5	394.9	117.5	90.4
1988, est	1,055.9	285.4	770.5	498.9	147.9	116.5	869.8	243.5	626.3	404.7	120.9	93.6
PERCENT DISTRIBUTION												
1970	100.0	41.8	58.2	33.1	7.4	12.3	100.0	44.3	55.7	29.9	6.8	12.0
1971	100.0	37.5	62.5	38.3	7.1	13.3	100.0	39.8	60.2	35.5	6.7	13.1
1972	100.0	34.3	65.7	40.3	6.7	14.9	100.0	36.2	63.8	37.9	6.4	14.6
1973	100.0	31.2	68.8	42.5	7.1	17.0	100.0	33.2	66.8	40.9	6.8	16.8
1974	100.0	29.5	70.5	44.6	8.0	16.1	100.0	30.9	69.1	43.2	7.8	16.0
1975	100.0	26.0	74.0	46.2	7.0	14.9	100.0	27.3	72.7	45.4	6.9	14.8
1976	100.0	24.1	75.9	48.4	7.2	15.9	100.0	25.2	74.8	47.8	7.1	15.8
1976, TQ [4]	100.0	23.2	76.8	47.3	7.2	16.6	100.0	24.3	75.7	46.7	7.1	16.5
1977	100.0	23.8	76.2	48.0	7.3	16.7	100.0	24.8	75.2	47.5	7.2	16.6
1978	100.0	22.8	77.2	46.0	7.7	17.0	100.0	23.8	76.2	45.5	7.6	16.8
1979	100.0	23.1	76.9	46.3	8.5	16.4	100.0	24.1	75.9	45.7	8.3	16.1
1980	100.0	22.7	77.3	47.0	8.9	15.5	100.0	23.5	76.5	46.4	8.9	15.1
1981	100.0	23.2	76.8	47.7	10.1	13.9	100.0	23.6	76.4	47.4	10.1	13.8
1982	100.0	24.8	75.1	47.8	11.4	11.8	100.0	24.8	75.1	47.8	11.4	11.8
1983	100.0	25.9	74.0	48.8	11.4	11.4	100.0	25.9	74.1	48.8	11.1	11.4
1984	100.0	26.7	73.3	46.9	13.0	11.4	100.0	26.8	73.2	46.7	13.0	11.4
1985	100.0	26.7	73.3	45.0	13.7	11.2	100.0	27.0	73.0	44.7	13.6	11.0
1986	100.0	27.6	72.4	39.7	13.7	11.4	100.0	27.9	72.1	45.0	13.6	11.1
1987	100.0	28.1	71.9	46.7	13.8	10.8	100.0	29.1	70.9	46.0	13.7	10.5
1988, est	100.0	27.0	73.0	47.2	14.0	11.0	100.0	28.0	72.0	46.5	13.9	10.8
ANNUAL PERCENT CHANGE												
1970–1971	7.4	–3.5	15.2	24.3	3.2	16.8	-	–10.2	8.1	18.9	–2.0	9.2
1971–1972	9.8	.4	15.4	15.5	4.3	22.3	3.6	–5.8	9.8	10.6	–1.2	15.6
1972–1973	6.5	–3.1	11.6	12.5	12.1	21.7	–(Z)	–8.3	4.7	7.8	6.8	15.0
1973–1974	9.6	3.5	12.4	14.9	23.6	3.6	.2	–6.7	3.7	5.9	14.5	–4.7
1974–1975	23.4	9.0	29.4	27.8	8.4	14.8	10.8	–2.1	16.7	16.4	–1.7	3.0
1975–1976	11.9	3.6	14.8	17.3	14.9	18.7	4.1	–3.9	7.0	9.7	6.4	10.5
1976–1977	10.1	8.5	10.6	9.0	11.9	15.8	2.1	.5	2.7	1.3	3.7	7.7
1977–1978	12.1	7.5	13.6	7.5	18.6	13.9	4.8	.5	6.1	.4	10.8	6.0
1978–1979	9.8	11.3	9.8	10.4	20.2	6.3	1.2	2.6	.8	1.6	10.7	–2.8
1979–1980	17.4	15.2	18.0	19.2	23.2	10.4	5.9	3.1	6.8	7.7	13.3	–.8
1980–1981	14.8	17.6	14.0	16.5	30.9	3.6	3.9	4.5	3.8	6.0	18.9	–4.9
1981–1982	10.0	17.6	7.6	10.3	23.7	–6.9	2.6	8.1	.9	3.6	15.3	–12.3
1982–1983	8.5	13.3	6.5	10.8	5.6	4.0	3.9	8.6	2.3	6.1	1.3	.6
1983–1984	5.2	8.3	4.1	1.1	23.7	5.5	1.7	5.0	.5	–2.6	19.3	1.6
1984–1985	11.1	11.1	11.1	6.5	16.5	8.5	7.7	8.6	7.3	3.0	12.9	4.1
1985–1986	4.6	8.2	3.4	5.6	5.1	6.1	2.1	5.9	.6	2.8	2.2	2.9
1986–1987	1.4	3.1	.8	4.5	1.9	–3.5	–.7	2.8	–2.1	1.2	–.8	–6.3
1987–1988	5.1	1.2	6.6	6.3	6.7	7.7	1.2	–2.5	2.8	2.5	2.9	3.5

– Represents zero. Z Less than .05 percent. [1] Includes other items not shown separately. [2] Includes small grant-in-aid to State and local governments. [3] Total interest less interest received by trust funds. [4] Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

No. 492. Federal Trust Fund Receipts, Outlays, and Balances: 1970 to 1988

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Receipts based on collections received and deposited. Outlays stated on a checks-issued basis, less refunds collected. Balances: That portion of funds authorized for use which have not been spent. See text, section 10 for discussion of the budget concept and trust funds]

TYPE OF FUND	1970	1975	1980	1983	1984	1985	1986	1987	1988, est.
Total receipts [1]	**59.4**	**118.6**	**213.9**	**317.4**	**338.1**	**363.9**	**407.2**	**430.0**	**471.4**
OASDI [2] trust funds	31.7	66.7	117.4	172.5	181.1	200.3	200.2	227.6	257.3
Health insurance trust funds	11.9	16.9	35.7	63.1	66.3	75.5	81.4	90.5	102.7
Federal employees retirement funds	4.7	11.5	24.5	34.9	36.8	40.9	43.3	44.0	46.6
Unemployment insurance funds	4.1	8.2	16.2	31.6	29.9	28.6	26.1	27.6	26.2
Highway trust funds	5.5	6.8	7.6	9.4	12.9	14.3	14.7	14.3	15.5
Railroad employees retirement funds	1.7	2.5	4.4	6.3	8.4	9.1	9.9	9.3	9.8
Foreign military sales trust funds	.6	4.4	7.7	13.2	11.2	9.6	10.7	8.5	8.4
Airport and airway trust funds	–	1.1	2.3	2.7	3.0	3.6	3.6	3.9	4.2
State and local fiscal assistance trust funds [3]	–	6.2	6.9	4.6	4.6	4.6	4.2	–	–
Veterans life insurance funds	.6	.9	1.1	1.2	1.3	1.3	1.4	1.4	1.4
Total outlays [1]	**48.1**	**111.2**	**205.1**	**294.3**	**305.2**	**329.5**	**344.5**	**357.4**	**374.0**
OASDI [2] trust funds	27.3	64.7	118.6	172.3	180.9	191.0	199.8	208.1	220.5
Health insurance trust funds	10.1	14.8	35.0	56.9	62.7	71.4	75.9	81.6	87.7
Federal employees retirement funds	2.8	7.1	14.9	21.0	22.1	23.3	24.3	26.0	27.6
Unemployment insurance funds	3.6	13.2	16.4	32.7	26.1	23.8	21.8	20.5	17.5
Highway trust funds	4.4	4.8	9.2	8.8	10.6	13.3	14.8	13.5	14.2
Railroad employees retirement funds	1.6	3.1	4.7	6.8	5.7	7.9	8.1	8.6	9.0
Foreign military sales trust funds	1.0	3.6	8.8	12.4	10.9	9.8	9.7	9.9	8.6
Airport and airway trust funds	–	.6	1.2	1.8	1.4	2.6	2.4	2.6	3.0
State and local fiscal assistance trust funds [4]	–	6.1	6.8	4.6	4.6	4.6	5.1	.1	–
Veterans life insurance funds	.6	.8	1.0	1.0	1.0	1.0	1.1	1.1	1.1
Balances	**97.3**	**142.6**	**192.4**	**228.4**	**261.4**	**315.5**	**379.2**	**450.2**	**548.1**
OASDI [2] trust funds	32.6	48.2	32.3	32.0	32.2	39.8	45.9	65.4	102.2
Health insurance trust funds	7.8	11.3	19.0	20.4	26.0	32.0	48.1	57.0	72.1
Federal employees retirement funds	22.5	36.8	74.3	111.2	125.9	143.5	162.5	180.5	199.5
Unemployment insurance trust fund	13.1	7.4	14.9	10.0	13.9	18.7	22.9	30.0	38.7
Highway trust funds	2.6	9.6	11.0	9.6	11.8	12.9	12.8	13.6	14.9
Railroad employees retirement accounts	4.8	4.3	2.7	.5	3.1	4.2	6.1	6.7	7.6
Foreign military sales trust fund	.5	2.1	5.2	5.3	5.6	5.5	6.5	5.1	4.9
Airport and airway trust fund	–	2.0	5.4	4.8	6.4	7.4	8.6	9.9	11.2
State and local fiscal assistance trust funds	–	1.7	1.8	1.2	1.2	1.2	.3	.2	.2
Veterans life insurance funds	7.1	7.7	8.5	9.1	9.4	9.7	10.0	10.4	10.7
Trust revolving funds	5.5	8.9	15.5	21.1	22.3	25.3	25.7	27.7	26.5
Other trust funds (nonrevolving)	.6	.7	1.7	3.3	3.4	3.9	5.1	6.0	7.7
Military retirement fund	(X)	(X)	(X)	(X)	-	11.4	23.7	37.5	52.0

- Represents zero. X Not applicable. [1] After deductions for intrafund transactions, proprietary receipts from public, receipts from off-budget Federal agencies, and receipts and outlays from trust funds, not shown separately. [2] Old-age, survivors, and disability insurance. [3] Deposits for general revenue sharing. [4] Payments for general revenue sharing.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

No. 493. Executive Controllability of Federal Budget Outlays: 1970 to 1988

[In billions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Outlays considered relatively uncontrollable are those which can neither be increased nor decreased by Presidential decisions without a change in existing Federal laws or are beyond administrative control, such as benefit payments that beneficiaries are entitled to by law or contractual agreement or other existing legally binding commitments. This table is based on a Presidential perspective]

OUTLAYS	1970	1975	1980	1983	1984	1985	1986	1987	1988, est.
Total outlays	**195.6**	**332.3**	**590.9**	**808.3**	**851.8**	**946.3**	**989.8**	**1,004.6**	**1,055.9**
Relatively uncontrollable outlays	**120.3**	**222.2**	**413.6**	**593.5**	**624.1**	**689.4**	**745.4**	**769.3**	**798.8**
Percent of total outlays	61.5	66.9	70.0	73.4	73.3	72.9	75.3	76.6	75.7
Open-ended programs and fixed costs [1]	78.3	168.9	310.7	464.8	478.8	527.2	564.1	584.0	614.5
Payments for individuals [1]	60.1	139.5	246.6	353.8	357.4	380.5	402.6	421.7	448.8
Social Security and railroad retirement	30.7	67.3	120.0	171.8	179.3	189.9	199.9	208.6	220.9
Medical care	9.4	20.6	47.2	73.5	79.9	91.0	97.8	105.9	114.8
Federal employees' retirement and insurance [2]	8.7	18.4	34.7	47.3	49.0	49.8	52.9	55.2	57.7
Food and nutrition assistance	(X)	1.6	3.5	3.3	3.6	3.7	3.8	4.1	4.4
Public assistance and related programs	6.4	12.2	17.5	20.9	21.0	22.2	24.5	25.7	29.9
Unemployment assistance	3.1	12.8	16.8	29.7	16.9	16.1	16.3	15.7	14.4
Net interest	14.4	23.2	52.5	89.8	111.1	129.4	136.0	138.6	147.9
Farm price supports [3]	3.8	.6	2.8	18.9	7.3	17.7	25.8	22.4	17.7
Prior-year contracts and obligations [4]	41.9	53.3	103.2	128.7	145.3	162.2	181.3	185.3	184.3
latively controllable outlays	**83.6**	**113.2**	**178.7**	**226.0**	**243.0**	**284.1**	**272.7**	**265.9**	**290.1**
National defense	57.6	64.2	97.4	141.4	147.8	160.5	165.4	169.1	171.1
Civilian programs	26.3	49.1	81.3	84.5	95.2	123.6	107.3	96.8	119.1
ndistributed employer share, employee retirement	–8.4	–11.2	–15.8	–23.5	–25.3	–27.2	–28.3	–30.6	–33.0

X Not applicable. [1] Includes other outlays not shown separately. [2] Includes items previously classified in the veterans' enefits grouping. [3] Prices from Commodity Credit Corporation. [4] Excludes prior year contracts and obligations for items nder open-ended programs and fixed costs.

Source: U.S. Office of Management and Budget, *Budget of the United States Government, 1989 Supplement.*

No. 494. Revenue Losses Estimates for Selected "Tax Expenditures" by Function: 1980 to 1988

[In millions of dollars. For years ending **Sept. 30, except as noted.** Tax expenditures are defined as "revenue losses attributable to provisions of the Federal tax laws which allow a special exclusion, exemption, or deduction from gross income or which provide a special credit, a preferential rate of tax, or a deferral of liability." Represents tax expenditures of $1 billion or more in 1988]

DESCRIPTION	1980	1985	1986	1987	1988
National defense:					
Exclusion of benefits and allowances to Armed Forces personnel	1,470	1,955	2,095	2,000	1,885
International affairs:					
Exclusion of income earned abroad by United States citizens	555	1,405	1,490	1,330	1,220
Inventory property sales source rules exception	(X)	(X)	(X)	1,845	2,625
Natural resources and environment:					
Exclusion of interest on State and local IDB's for pollution control and sewage and waste disposal facilities	635	1,250	1,600	1,715	1,635
Commerce and housing credit:					
Exclusion of interest on small issue industrial development bonds	430	475	2,775	2,925	2,705
Exclusion of interest on life insurance savings	3,490	2,175	6,990	5,425	5,410
Deductibility of interest on consumer credit	4,745	15,530	17,945	11,845	6,530
Deductibility of mortgage interest on owner-occupied homes	15,615	24,785	30,435	34,745	33,675
Deductibility of property tax on owner-occupied homes	7,310	9,315	8,560	10,285	10,100
Exclusion of interest on State and local housing bonds for owner-occupied housing	447	1,686	2,050	2,010	1,765
Exclusion of interest on State and local debt for rental housing	(NA)	755	1,240	1,385	1,235
Deferral of capital gains on home sales	1,010	1,775	1,965	2,575	3,700
Exclusion of capital gains on home sales for persons age 55 and over	535	830	925	2,160	2,860
Carryover basis of capital gains at death	4,750	4,355	4,940	5,710	11,540
Investment credit, other than ESOP's, rehabilitation of structures, energy property, and reforestation expenditures	18,250	24,445	20,055	13,305	9,195
Accelerated depreciation of machinery and equipment [1]	(NA)	20,145	39,010	13,280	21,920
Reduced rates on the first $100,000 of corporate income:					
Pre-1983 budget method	7,210	5,015	4,645	3,710	3,155
Exception from passive loss rules for $25,000 of rental losses	(X)	(X)	(X)	[2] 350	1,100
Education, training, employment, and social services:					
Deductibility of charitable contributions (education)	1,090	1,345	1,640	1,720	1,520
Credit for child and dependent care expenses	885	2,700	3,170	3,475	3,820
Deductibility of charitable contributions, other than education and health	6,270	10,175	12,620	12,095	10,480
Health:					
Exclusion of employer contributions for medical insurance premiums and medical care	12,075	21,095	23,435	24,550	24,890
Deductibility of medical expenses	3,150	3,620	3,755	3,150	1,960
Exclusion of interest on State and local debt for private nonprofit health facilities	425	1,405	2,235	2,570	2,230
Deductibility of charitable contributions (health)	1,370	1,615	2,000	1,570	1,375
Social Security and medicare:					
Exclusion of Social Security benefits:					
Disability insurance benefits	690	1,170	1,195	1,170	1,095
OASI benefits for retired workers	6,890	12,955	13,275	14,285	13,470
Benefits for dependents and survivors	1,015	3,755	3,905	3,025	2,850
Income security:					
Exclusion of workmen's compensation benefits	2,200	2,225	2,425	2,740	2,860
Net exclusion of pension contributions and earnings:					
Employer plans	19,785	48,525	48,950	45,335	41,765
Individual Retirement Accounts	(NA)	12,695	14,890	13,890	9,060
Keoghs	1,925	1,960	2,135	2,355	1,520
Exclusion of other employee benefits:					
Premiums on group term life insurance	(NA)	2,055	2,200	1,940	1,940
Additional deduction for the elderly	(X)	(X)	(X)	[2] 1,630	1,535
Veterans benefits and services:					
Exclusion of veterans disability compensation	1,065	1,695	1,700	1,615	1,470
General purpose fiscal assistance:					
Exclusion of interest on public purpose State and local debt	4,925	8,060	9,590	10,880	10,350
Deductibility of nonbusiness State and local taxes other than on owner-occupied homes	14,690	21,455	23,985	22,480	17,250
Tax credit for corporations receiving income from doing business in United States possessions	905	1,660	1,895	1,895	1,880

NA Not available. X Not applicable. [1] Pre-1983 budget method. [2] Data on calendar year basis.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government,* annual.

NO. 495. FEDERAL BUDGET OUTLAYS, BY AGENCY: 1975 TO 1988

[In billions of dollars. For fiscal year ending in year shown; see text, section 9]

DEPARTMENT OR OTHER UNIT	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total	**332.3**	**590.9**	**678.2**	**745.7**	**808.3**	**851.8**	**946.3**	**990.3**	**1,004.6**	**1,055.9**
Legislative branch	.7	1.2	1.2	1.4	1.4	1.6	1.6	1.7	1.8	1.9
The Judiciary	.3	.6	.6	.7	.8	.9	1.0	1.1	1.2	1.4
Executive Office of the President [1]	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Funds appropriated to President [2]	3.7	8.5	8.2	7.9	7.9	10.8	11.9	11.0	10.4	5.2
Departments:										
Agriculture	15.6	34.8	41.6	45.7	52.4	42.0	55.5	58.7	50.4	50.7
Commerce	1.1	3.1	2.3	2.1	1.9	1.9	2.1	2.1	2.1	2.5
Defense	93.1	146.1	170.7	198.6	223.3	240.5	263.9	285.7	294.7	299.6
Education	7.6	14.8	17.1	14.8	14.6	15.5	16.7	17.7	16.8	18.8
Energy	3.2	6.5	11.7	11.6	10.6	11.0	10.6	11.0	10.7	10.5
Health and Human Services	104.2	194.2	228.7	253.1	276.7	292.2	315.5	333.9	351.3	375.1
Housing and Urban Development	7.5	12.7	14.9	15.2	15.8	16.7	28.7	14.1	15.5	18.6
Interior	2.2	4.5	4.5	3.9	4.6	4.9	4.8	4.8	5.1	5.4
Justice	2.1	2.6	2.7	2.6	2.8	3.2	3.6	3.8	4.3	5.2
Labor [3]	17.7	29.7	30.1	30.7	38.1	24.5	23.9	24.1	23.5	22.0
State	.8	1.9	1.9	2.2	2.3	2.4	2.6	2.9	2.8	3.3
Transportation	10.1	19.8	22.8	20.0	20.6	23.0	25.0	27.4	25.4	26.3
Treasury	41.3	76.5	92.6	110.3	116.4	141.0	164.9	179.2	180.3	198.9
Independent agencies:										
Environmental Protection Agency	2.5	5.6	5.2	5.1	4.3	4.1	4.5	4.9	4.9	4.9
General Services Administration	.4	.2	.1	.2	.1	.1	(–Z)	.4	.1	–.1
National Aeronautics and Space Administration	3.3	5.0	5.5	6.2	6.9	7.1	7.3	7.4	7.6	9.1
Office of Personnel Management	7.1	15.1	18.1	20.0	21.3	22.6	23.7	24.0	27.0	28.5
Small Business Administration	.7	2.0	2.0	.8	.7	.5	.7	.6	–.1	.3
Veterans Administration	16.6	21.1	22.9	23.9	24.8	25.6	26.3	26.5	27.0	27.6
Other independent agencies	12.0	16.1	14.5	10.6	11.2	11.9	10.0	12.2	14.3	17.9
Undistributed offsetting receipts	–21.3	–32.0	–41.9	–42.2	–51.1	–52.3	–58.7	–65.0	–72.3	–77.7

Z Less than $50 million. [1] Represents funds used to finance the operations of the various units within the office of the President. [2] Represents international affairs funds mainly; funds are administered by the State Department, U.S. Agency for International Development, and Department of Defense under the direction of the President. [3] Includes Pension Benefit Guaranty Corporation.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1989.*

NO. 496. PUBLIC DEBT AND INTEREST PAID OF THE FEDERAL GOVERNMENT: 1940 TO 1987

[For fiscal years ending in year shown; see text, section 9. Total *public debt* is restricted to borrowing by the Treasury and the value of savings bonds at current redemption value. See table 489 for "gross Federal debt." For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series Y 461, 493, and 494]

YEAR	PUBLIC DEBT			INTEREST PAID	
	Total [1] (bil. dol.)	Average annual percent change [2]	Per capita [3] (dol.)	Total (bil. dol.)	Percent of Federal outlays [4]
1940	43.0	8.4	325	1.0	10.5
1945	258.7	43.0	1,849	3.6	4.1
1950	256.1	–.1	1,688	5.7	13.4
1955	272.8	1.3	1,651	6.4	9.4
1960	284.1	.9	1,572	9.2	10.0
1965	313.8	2.0	1,613	11.3	9.6
1970	370.1	3.3	1,814	19.3	9.9
1971	397.3	7.4	1,921	21.0	10.0
1972	426.4	7.3	2,037	21.8	9.4
1973	457.3	7.2	2,164	24.2	9.8
1974	474.2	3.7	2,223	29.3	10.9
1975	533.2	12.4	2,475	32.7	9.8
1976	620.4	16.4	2,852	37.1	10.0
1977	698.8	10.1	3,170	41.9	10.2
1978	771.5	10.4	3,463	48.7	10.6
1979	826.5	7.1	3,669	59.8	11.9
1980	907.7	9.8	3,985	74.9	12.7
1981	997.9	9.9	4,338	95.6	14.1
1982	1,142.0	14.4	4,913	117.4	15.7
1983	1,377.2	20.6	5,870	128.8	15.9
1984	1,572.3	14.2	6,640	153.8	18.1
1985	1,823.1	16.0	7,616	178.9	18.9
1986	2,125.3	16.6	8,793	187.1	18.9
1987	2,350.3	10.6	9,630	195.4	19.5

[1] Adjusted to exclude nonmarketable issues to the International Monetary Fund and other international institutions for 1950, 1955, 1960, 1965, and 1970–1974. [2] From preceding year shown; for 1940, change from 1935. [3] 1940–1976, based on estimated July 1 population; thereafter, based on October 1 resident population; prior to 1960, excludes Alaska and Hawaii. [4] Calculated on total expenditures not reduced by interfund transactions representing interest and certain other payments to Treasury through 1950. Beginning 1955, total budget outlays. See table 489.

Source: U.S. Dept. of the Treasury, *Statistical Appendix* to the *Annual Report of the Secretary of the Treasury on the State of the Finances* through fiscal 1980; thereafter, *Monthly Statement of the Public Debt of the United States*, and *Final Monthly Treasury Statement of Receipts and Outlays of the U.S. Government.*

NO. 497. INTEREST-BEARING PUBLIC DEBT OF THE FEDERAL GOVERNMENT: 1970 TO 1987

[**In billions of dollars.** As of **end of fiscal year;** see text, section 9. See also *Historical Statistics, Colonial Times to 1970,* serie Y 497 and Y 500–504]

YEAR	Total	MARKETABLE				NONMARKETABLE			
		Total	Bills	Notes	Treasury bonds [1]	Total	U.S. savings bonds	Other [2]	Govt. accoun series [3]
1970	369.0	232.6	76.2	93.5	63.0	136.4	51.3	8.8	76.3
1975	532.1	315.6	128.6	150.2	36.8	216.5	65.4	26.9	124.2
1979	819.0	506.7	161.4	274.2	71.1	312.3	80.4	55.5	176.4
1980	906.4	594.5	199.8	310.9	83.8	311.9	72.7	49.3	189.8
1981	996.5	683.2	223.4	363.6	96.2	313.3	68.0	44.2	201.1
1982	1,140.9	824.4	277.9	442.9	103.6	316.5	67.3	38.7	210.5
1983	1,375.8	1,024,0	340.7	557.5	125.7	351.8	70.0	47.0	234.7
1984	1,559.6	1,176.6	356.8	661.7	158.1	383.0	72.8	50.6	259.5
1985	1,821.0	1,360.2	384.2	776.4	199.5	460.8	77.0	69.9	313.9
1986	2,122.7	[4] 1,564.3	410.7	896.9	241.7	558.4	85.6	106.9	365.9
1987	2,347.8	[4] 1,676.0	378.3	1,005.1	277.6	671.8	97.0	134.1	440.7
PERCENT DISTRIBUTION									
1970	100.0	63.0	20.7	25.3	17.1	37.0	13.9	2.4	20.7
1980	100.0	65.6	22.0	34.3	9.2	34.4	8.0	5.4	20.9
1985	100.0	74.7	21.1	42.6	11.0	25.3	4.2	3.8	17.2
1986	100.0	[4] 73.7	19.3	42.3	11.4	26.3	4.0	5.0	17.3
1987	100.0	[4] 71.4	16.1	42.8	11.8	28.6	4.1	5.7	18.8

[1] Bank eligible bonds. [2] Comprises Treasury bonds, investment series (all years); Treasury bonds (various); certificates o indebtedness (various); certificates and notes; depositary bonds; U.S. retirement plan bonds; and U.S. savings notes, beginnin 1970. [3] 1970 known as U.S. Treasury special issues. [4] Includes Federal Financing Bank, not shown separately.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin,* quarterly.

NO. 498. FEDERAL SECURITIES—DISTRIBUTION BY CLASS OF INVESTOR: 1970 TO 1987

[**In billions of dollars.** As of **end of fiscal year;** see text, section 9. The Export-Import Bank was moved within the budget effectiv October 1, 1976. Adjustments are made to include totals for the period it was outside the budget (1970–76). Also adjustments ar made to reflect certain Export-Import Bank borrowing now classified as agency debt]

YEAR	Federal securities outstanding, total [1]	INTEREST-BEARING PUBLIC DEBT SECURITIES				YEAR	Federal securities outstanding, total [1]	INTEREST-BEARING PUBLIC DEBT SECURITIES			
		Total outstanding	Held by U.S. Govt. accounts	Held by Federal Reserve banks [2]	Held by private investors			Total outstanding	Held by U.S. Govt. accounts	Held by Federal Reserve banks [2]	Held by private inves tors
1970	383	369	95	58	216	1980	914	906	198	121	58
1973	468	456	123	75	258	1981	1,004	996	208	124	66
1974	486	473	138	80	255	1982	1,147	1,141	216	134	79
1975	544	532	145	85	302	1983	1,382	1,376	239	155	98
1976	632	619	150	94	375	1984	1,577	1,560	263	155	1,14
1977	709	698	155	[3] 105	437	1985	1,827	1,821	317	170	1,33
1978	780	767	168	115	484	1986	2,130	2,123	383	191	1,54
1979	834	819	188	115	516	1987	2,354	2,348	457	212	1,67

[1] Includes agency securities and matured public debt not shown separately. [2] Public issues.
[3] Includes a nonmarketable Federal Reserve special certificate for $2,500.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin,* quarterly.

NO. 499. INTEREST-BEARING GOVERNMENT SECURITIES OUTSTANDING: 1970 TO 1987

[**In billions of dollars, except percent.** As of **end of fiscal year;** see text, section 9. Par values, except U.S. savings bonds series, E, F, J, and U.S. savings notes, which are included at current redemption values]

TYPE OF SECURITY	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**521**	**756**	**1,049**	**1,128**	**1,247**	**1,363**	**1,540**	**1,823**	**2,052**	**2,379**	**2,776**	**3,05**
State and local govts.[1] [2]	139	213	273	302	334	360	394	442	488	554	649	70
Percent of total	26.7	28.2	26.0	26.8	26.8	26.4	25.6	24.2	23.8	23.3	23.4	23.1
Taxable [3]	306	419	623	650	723	802	936	1,146	1,304	1,511	1,761	1,91
Government account series [4]	76	124	153	176	190	201	210	235	260	314	366	44
By issuer:												
U.S. Treasury	369	532	767	819	906	996	1,141	1,376	1,560	1,821	2,123	2,34
Agency securities [5]	13	11	9	7	7	6	5	5	4	4	4	4
State and local govts.[1] [2]	139	213	273	302	334	360	394	442	488	554	649	70

[1] Source: Board of Governors, Federal Reserve System, unpublished data. [2] Includes some partially taxable debt. Include industrial pollution control bonds, student loan bonds and nonprofit hospital bonds. [3] Interest is subject to both normal an surtax rates of Federal income tax. [4] Prior to July 1, 1974, known as U.S. Treasury special issues. [5] Excludes securitie issued by Federal home loan banks, Federal land banks, Federal National Mortgage Association, Federal intermediate credi banks, and banks for cooperatives.

Source: Except as noted, U.S. Dept. of the Treasury, through 1980, *Statistical Appendix* to the *Annual Report of the Secretary o the Treasury on the State of the Finances;* thereafter, *Treasury Bulletin,* quarterly.

NO. 500. FEDERAL PARTICIPATION IN DOMESTIC CREDIT MARKETS: 1979 TO 1987

[In billions of dollars, except percent. See headnote, table 501. Federal credit programs are primarily in three forms: direct loans from the Federal government, Federal guarantees of private lending, and lending by privately owned Government-sponsored enterprises. Nonfinancial sectors]

TYPE OF PARTICIPATION	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total funds loaned in U.S. credit markets, excluding equities [1]	**413.0**	**359.0**	**410.5**	**391.1**	**547.6**	**649.5**	**687.5**	**830.0**	**642.7**
Federal and federally assisted lending	72.9	79.9	86.5	87.6	86.5	79.5	110.3	129.1	149.2
Federal participation rate (percent)	17.7	22.3	21.1	22.4	15.8	12.2	16.0	15.6	23.2
Direct loans	19.6	24.2	26.1	23.4	15.3	6.3	28.0	11.2	-19.0
Guaranteed loans	25.2	31.6	28.0	20.9	34.1	20.1	21.6	34.6	60.4
Government-sponsored enterprise loans	28.1	24.1	32.4	43.3	37.1	53.1	60.7	83.3	107.8
Total funds borrowed in U.S. credit markets [1]	**418.5**	**351.1**	**409.5**	**393.3**	**511.4**	**700.7**	**758.2**	**906.1**	**723.8**
Federal and federally assisted borrowing	80.7	123.5	142.1	199.5	280.4	246.4	276.8	374.1	327.1
Federal participation rate (percent)	19.3	35.2	34.7	50.7	54.8	35.2	36.5	41.3	45.2
Federal borrowing from public	33.6	70.5	79.3	135.0	212.3	170.8	197.3	236.3	151.7
Borrowing for guaranteed loans	25.2	31.6	28.0	20.9	34.1	20.1	21.6	34.6	60.4
Government-sponsored enterprise borrowing	21.9	21.4	34.8	43.6	34.0	55.5	57.9	103.2	115.0

[1] Funds loaned to and borrowed by nonfinancial sectors, excluding equities.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 501. FEDERAL DIRECT AND GUARANTEED LOANS: 1970 TO 1988

[As of end of fiscal year; see text, section 9. Government guaranteed loans (loans for which the Government guarantees payment of principal or interest in whole or part) are not included in Federal budget outlays. They constitute contingent liabilities not resulting in outlays, except in event of default. Government direct loans are made by both on-budget and off-budget Federal agencies. See headnote, table 500]

YEAR	AMOUNT (bil. dol.)						PERCENT CHANGE			
	Direct loans [1]			Guaranteed loans [2]			Direct loans [1]		Guaranteed loans [2]	
	Gross (new) loans disbursed	Net loan outlays	Direct loans outstanding	Primary [3]	Net loans	Guaranteed loans outstanding	Gross (new) loans disbursed	Direct loans outstanding	Primary [3]	Guaranteed loans outstanding
1970	12.4	3.0	51.1	27.5	8.4	125.1	-27.1	9.0	8.7	6.3
1975	28.8	12.8	74.1	31.2	8.7	198.3	82.3	20.5	-2.5	4.5
1977	35.4	11.5	100.7	43.9	14.0	224.0	2.6	17.2	37.6	6.6
1978	48.6	19.3	120.5	48.5	13.4	237.9	37.3	19.7	10.5	6.2
1979	49.2	19.6	140.5	60.5	25.2	264.6	1.2	16.6	24.7	11.2
1980	49.3	24.2	163.9	66.2	31.6	298.5	.2	16.7	9.4	12.8
1981	55.9	26.1	185.0	60.2	28.0	309.1	13.4	12.9	-9.1	3.6
1982	37.1	23.4	207.8	59.6	20.9	331.2	-33.6	12.3	-1.0	7.1
1983	43.8	15.3	223.0	78.0	34.1	363.8	18.1	7.3	30.9	9.8
1984	41.4	6.3	229.3	73.3	20.1	386.7	-5.5	2.8	-6.0	6.3
1985	64.4	28.0	257.4	55.5	21.6	410.4	55.6	12.3	-24.3	6.1
1986	42.2	11.2	251.6	89.6	34.6	449.8	-34.5	-2.3	61.4	9.6
1987	35.2	-19.0	234.2	151.7	60.4	507.0	-16.6	-5.9	69.3	12.7
1988, est.	34.5	-16.2	218.0	100.1	20.8	527.8	-2.0	-6.9	-34.0	4.1

[1] Includes loans from "off-budget" Government accounts. [2] Includes capital subscriptions to international financial institutions. To avoid double counting, secondary guaranteed loans and guaranteed loans held as direct loans are excluded. [3] Gross loan guarantees minus both secondary guaranteed loans, and guaranteed loans held as direct loans by the Government—by either on- or off-budget accounts.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 502. U.S. SAVINGS BONDS: 1970 TO 1987

[In billions of dollars, except percent. As of end of fiscal year; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 500, for similar but not exactly comparable data]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Amounts outstanding, total [1]	51.8	65.5	80.5	72.7	68.0	67.5	70.3	73.1	77.3	85.8	97.3
Funds from sales	4.7	6.8	7.3	4.8	3.4	3.1	4.0	3.9	5.0	8.3	10.3
Accrued discounts	1.0	3.3	4.3	4.2	4.2	4.9	5.0	5.3	5.2	5.6	6.1
Redemptions [2]	6.3	6.5	11.0	16.7	12.3	8.7	6.1	6.1	5.7	5.1	4.9
Percent of total outstanding	12.2	10.0	13.6	23.0	18.0	12.9	8.7	8.3	7.4	6.0	5.1

[1] Interest-bearing debt only for amounts end of period or end of year. [2] Matured and unmatured bonds.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

No. 503. Federal Funds—Summary Distribution, by State and Outlying Areas: 1987

[In millions of dollars, except as indicated. For year ending Sept. 30. Data for grants, salaries and wages, and direct payments to individuals are on an expenditure basis; procurement is on obligation basis. Minus sign (–) indicates decrease. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	FEDERAL FUNDS			Defense	Non-defense	Direct payments to individuals	Procurement	Grants to State and local gov'ts.	Salaries and wages
	Total [1]	Percent change 1986–1987	Per capita [2] (dol.)						
Total	**848,163**	**2.2**	**3,434**	**231,601**	**616,562**	**383,937**	**196,325**	**107,282**	**126,854**
U.S.	**819,155**	**2.0**	**3,365**	**215,777**	**603,378**	**380,073**	**176,185**	**104,005**	**125,884**
Region:									
Northeast	172,527	2.1	3,432	40,547	131,981	85,104	38,088	26,944	17,609
Midwest	175,308	1.2	2,944	31,929	143,379	91,086	27,874	24,552	19,224
South	268,830	2.5	3,443	82,046	206,784	131,894	57,314	31,520	58,381
West	182,490	1.9	3,672	61,254	121,236	71,989	52,906	20,989	30,679
New England	**51,191**	**2.8**	**3,986**	**18,361**	**32,831**	**20,922**	**17,132**	**6,414**	**4,938**
Maine	4,109	9.8	3,461	1,171	2,938	2,010	879	689	487
New Hampshire	3,042	2.3	2,878	934	2,108	1,514	512	389	569
Vermont	1,474	2.7	2,690	180	1,294	796	146	314	164
Massachusetts	25,513	2.3	4,358	9,602	15,911	9,911	9,456	2,983	2,204
Rhode Island	3,453	7.1	3,502	836	2,617	1,761	588	550	474
Connecticut	13,600	.8	4,236	5,637	7,963	4,929	5,551	1,489	1,060
Middle Atlantic	**121,336**	**1.8**	**3,241**	**22,186**	**99,150**	**64,182**	**20,956**	**20,530**	**12,671**
New York	60,252	1.4	3,380	11,153	49,100	29,520	11,575	11,932	5,421
New Jersey	23,031	3.3	3,002	4,809	18,222	12,451	4,095	3,327	2,859
Pennsylvania	38,053	1.6	3,188	6,224	31,829	22,210	5,285	5,271	4,391
East North Central	**112,385**	**.1**	**2,682**	**17,247**	**95,138**	**63,520**	**15,084**	**17,186**	**11,[illegible]**
Ohio	31,207	–1.9	2,894	6,351	24,857	16,815	5,915	4,382	3,328
Indiana	14,691	-	2,656	3,109	11,582	8,097	2,402	1,982	1,537
Illinois	30,947	2.6	2,672	3,726	27,221	17,432	3,078	4,468	4,085
Michigan	23,348	–.2	2,538	2,719	20,629	13,963	2,440	4,199	2,043
Wisconsin	12,192	-	2,536	1,343	10,849	7,212	1,250	2,155	1,017
West North Central	**62,923**	**3.3**	**3,568**	**14,683**	**48,240**	**27,566**	**12,789**	**7,366**	**7,235**
Minnesota	13,227	6.4	3,115	2,741	10,486	5,833	2,712	2,037	1,078
Iowa	8,881	6.4	3,134	786	8,095	4,595	833	1,090	626
Missouri	21,063	.8	4,128	7,354	13,709	8,489	6,940	1,926	2,478
North Dakota	3,002	6.5	4,467	453	2,548	1,008	249	419	453
South Dakota	2,660	8.4	3,751	279	2,381	1,134	151	440	416
Nebraska	5,331	2.3	3,334	821	4,510	2,526	374	607	810
Kansas	8,760	-	3,536	2,248	6,512	3,982	1,529	848	1,375
South Atlantic	**163,800**	**5.6**	**3,929**	**50,994**	**112,807**	**70,944**	**34,148**	**15,870**	**37,971**
Delaware	1,822	2.0	2,829	408	1,414	988	234	301	263
Maryland	23,186	6.9	5,113	7,444	15,743	7,755	6,935	2,002	5,162
District of Columbia	14,530	.7	23,360	1,892	12,638	1,615	2,685	1,515	7,833
Virginia	31,392	12.0	5,317	16,508	14,884	9,952	9,511	1,905	9,192
West Virginia	5,325	–1.6	2,807	322	5,003	3,421	298	1,028	503
North Carolina	16,598	5.4	2,588	4,248	12,350	8,892	1,641	2,171	3,389
South Carolina	10,383	4.4	3,031	2,865	7,518	4,797	1,855	1,280	2,233
Georgia	19,166	3.6	3,080	6,602	12,564	8,287	3,786	2,512	4,081
Florida	41,398	4.7	3,443	10,704	30,694	25,236	7,204	3,155	5,335
East South Central	**48,320**	**–3.4**	**3,160**	**9,690**	**38,630**	**24,011**	**8,644**	**6,552**	**7,873**
Kentucky	10,367	–17.2	2,782	1,830	8,537	5,816	743	1,702	1,888
Tennessee	15,300	–3.9	3,151	1,777	13,523	7,304	3,515	2,018	2,196
Alabama	13,927	6.3	3,411	3,620	10,308	6,745	2,654	1,559	2,627
Mississippi	8,725	3.0	3,324	2,462	6,263	4,147	1,732	1,274	1,182
West South Central	**76,710**	**.1**	**2,851**	**21,363**	**55,347**	**36,938**	**14,522**	**9,097**	**12,537**
Arkansas	7,316	1.9	3,064	1,353	5,963	4,163	869	1,009	601
Louisiana	11,821	–4.5	2,650	2,820	9,001	5,387	2,464	1,919	1,594
Oklahoma	10,069	3.3	3,077	2,348	7,721	5,209	821	1,317	2,143
Texas	47,504	.3	2,829	14,842	32,662	22,180	10,367	4,853	7,999
Mountain	**48,981**	**5.2**	**3,720**	**13,977**	**35,003**	**18,901**	**14,358**	**5,678**	**8,087**
Montana	2,887	2.3	3,569	280	2,607	1,293	184	540	425
Idaho	3,164	5.3	3,171	326	2,839	1,408	680	392	426
Wyoming	1,535	.8	3,134	198	1,338	598	121	449	274
Colorado	12,301	7.0	3,732	4,427	7,875	4,371	3,865	1,152	2,406
New Mexico	7,366	3.9	4,911	1,451	5,915	2,205	3,050	779	1,160
Arizona	12,561	10.2	3,710	4,537	8,024	5,604	3,801	1,188	1,678
Utah	5,705	3.7	3,396	2,081	3,624	1,920	1,633	784	1,215
Nevada	3,461	–7.0	3,437	678	2,783	1,503	1,025	394	503
Pacific	**133,509**	**.8**	**3,654**	**47,277**	**86,232**	**53,089**	**38,550**	**15,311**	**22,592**
Washington	17,619	4.4	3,883	5,767	11,852	7,203	4,510	1,978	3,100
Oregon	7,532	1.7	2,765	654	6,879	4,583	512	1,243	934
California	100,753	–.1	3,642	37,113	63,639	39,261	32,212	11,006	15,506
Alaska	2,846	4.7	5,421	1,240	1,606	424	792	624	979
Hawaii	4,759	2.5	4,394	2,503	2,256	1,617	525	460	2,073
American Samoa	66	3.2	1,786	3	63	11	2	51	2
Guam	681	9.8	5,359	504	177	70	118	103	387
Northern Marianas	59	5.2	2,947	-	59	5	7	46	-
Puerto Rico	6,143	2.0	1,878	598	5,545	2,848	450	2,307	487
Virgin Islands	302	–32.5	2,745	82	220	80	75	119	26
Undistributed	21,757	9.1	(X)	14,637	7,120	850	19,488	1,331	57

- Represents zero. X Not applicable. [1] Includes other programs not shown separately.
[2] Based on Bureau of the Census estimated resident population as of July 1.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

NO. 504. TAX RETURNS FILED—EXAMINATION COVERAGE: 1970 TO 1987

[In thousands, except as indicated]

YEAR AND ITEM	Returns filed [1]	RETURNS EXAMINED					AVERAGE TAX AND PENALTY PER RETURN (dollars)		
		Total	Percent of returns filed	By—					
				Revenue agents	Tax auditors	Service centers	Revenue agents	Tax auditors	Service centers
INDIVIDUAL RETURNS									
1970	76,431.0	1,672.0	2.2	(NA)	(NA)	-	(NA)	(NA)	-
1975	81,272.0	1,838.6	2.3	355.2	1,483.4	-	2,609	219	-
1980	90,727.0	1,833.9	2.0	292.5	1,346.3	195.1	1,335	602	39
1981	93,052.0	1,644.1	1.8	289.5	1,193.1	161.5	6,374	579	223
1982	94,013.0	1,455.3	1.6	285.5	1,066.6	103.2	7,505	751	364
1983	95,419.0	1,427.7	1.5	277.9	1,001.9	147.9	10,248	990	316
1984	95,541.3	1,215.9	1.3	276.2	859.4	80.4	11,584	1,314	692
1985	96,496.9	1,265.6	1.3	332.6	810.9	122.1	10,854	1,539	496
1986	99,529.0	1,090.9	1.1	298.9	732.5	59.6	14,052	1,945	862
1987, total	**101,750.8**	**1,109.2**	**1.1**	**317.5**	**610.4**	**181.3**	**12,235**	**2,107**	**4,084**
1040A, total income under $10,000	19,904.9	105.9	.5	11.0	45.2	49.7	10,843	1,335	3,501
Non 1040A, total income: [2]									
Under $10,000	9,904.0	42.0	.4	8.7	24.7	8.6	5,567	1,033	892
$10,000-$24,999, simple	21,285.6	135.8	.6	25.1	86.6	24.1	2,368	9.9	662
$10,000-$24,999, complex	9,897.8	128.7	1.3	29.4	73.9	25.4	2,362	1,015	649
$25,000-$49,999	24,588.3	343.9	1.4	75.9	235.2	32.7	3,107	1,280	1,490
$50,000 and over	10,029.1	224.4	2.2	95.4	95.6	33.4	20,254	5,817	12,030
Schedule C—TGR: [3] Under $25,000	1,903.0	26.8	1.4	11.4	14.5	.9	5,834	1,746	1,529
$25,000-$99,999	2,125.0	42.7	2.0	22.4	18.3	2.0	7,277	3,380	9,147
$100,000 and over	1,198.0	46.2	3.9	32.4	11.1	2.6	29,399	8,015	15,835
Schedule F—TGR: [3] Under $25,000	240.0	2.2	.9	.7	1.3	.1	4,463	789	1,195
$25,000-$99,999	436.5	4.9	1.1	1.9	2.2	.7	4,436	1,158	569
$100,000 and over	238.6	5.6	2.3	3.2	1.6	.7	70,391	4,766	18,236
1986—OTHER RETURNS									
Fiduciary	2,276.2	5.1	.2	5.1	-	-	15,425	-	-
Partnerships	1,713.6	19.8	1.2	19.8	-	-	-	-	-
Corporations, total	3,647.6	55.1	19.5	55.1	-	-	676,232	-	-
Corporations except DISC and S corporations [4]	2,827.5	44.7	1.6	44.7	-	-	236,613	-	-
S corporations [4]	812.0	9.1	1.1	9.1	-	-	438,962	-	-
Form 1120 DISC [5]	8.1	1.3	16.8	1.3	-	-	657	-	-
Estate, total	67.6	15.1	22.4	15.1	-	-	63,697	-	-
Gross estate: Under $1 million	51.7	8.8	16.9	8.7	-	-	18,121	-	-
$1 million-$4.999 million	14.6	5.5	38.0	5.5	-	-	50,172	-	-
$5 million and over	1.3	.8	62.9	.8	-	-	643,718	-	-
Gift	101.3	1.7	1.7	1.7	-	-	135,913	-	-
Excise	1,035.5	38.9	3.8	38.9	-	-	4,074	-	-
Employment	27,812.2	46.3	.2	45.2	1.1	-	7,730	528	-
Windfall profit	10.3	4.4	42.4	1.5	-	2.8	701,123	-	[illegible]
Miscellaneous	-	.1	-	.1	-	-	18,383	-	-
Service center corrections	-	503.3	-	-	-	503.3	-	-	-

- Represents zero. NA Not available. [1] Returns filed in previous calendar year. [2] Income is that from positive sources only. [3] Total gross receipts. [4] Small business corporations. Represents corporations with no more than 35 shareholders (10 prior to 1983), most of which are individuals, electing to be taxed at the shareholder level. [5] Domestic international sales corporation.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service.*

NO. 505. INTERNAL REVENUE GROSS COLLECTIONS, BY SOURCE: 1970 TO 1987

[**For fiscal year ending in year shown;** see text section 9. See also *Historical Statistics, Colonial Times to 1970,* series Y 358-373]

SOURCE OF REVENUE	COLLECTIONS (bil. dol.)								PERCENT OF TOTAL			
	1970	1975	1980	1983	1984	1985	1986	1987	1970	1980	1985	1987
All taxes	**195.8**	**293.8**	**519.4**	**627.2**	**680.5**	**742.9**	**782.3**	**886.3**	**100.0**	**100.0**	**100.0**	**100.0**
Individual income taxes	103.7	156.4	287.5	349.6	362.9	396.7	416.9	465.4	53.0	54.9	53.4	52.5
Withheld by employers	77.4	122.1	223.8	266.0	279.0	299.0	314.8	322.5	39.5	43.1	40.2	36.4
Employment taxes [1]	37.4	70.1	128.3	173.8	199.2	225.2	243.9	277.0	19.1	24.7	30.2	31.3
Old-age and disability insurance	35.7	67.1	122.5	166.4	189.5	215.6	234.9	266.6	18.2	23.6	29.0	30.1
Unemployment insurance	.8	1.4	3.3	4.3	6.0	5.7	5.3	6.2	.4	.6	.8	.7
Corporation income taxes	35.0	45.7	72.4	61.8	74.2	77.4	80.4	102.8	17.9	13.9	10.4	11.6
Estate and gift taxes	3.7	4.7	6.5	6.2	6.2	6.6	7.2	7.7	1.9	1.3	.9	.9
Excise taxes	15.9	16.8	24.6	35.8	38.0	37.0	33.7	33.3	8.1	4.7	5.0	3.8
Alcohol	4.7	5.4	5.7	5.6	5.4	5.4	5.6	11.1	2.4	1.1	.7	1.3
Tobacco	2.1	2.3	2.4	4.1	4.7	4.5	4.6		1.1	.5	.6	
Manufactures	6.7	5.5	6.5	6.4	10.1	10.0	9.9	10.2	3.4	1.3	1.3	1.2
Windfall profits tax	(x)	(x)	3.1	15.7	8.1	5.1	8.9	(z)	(x)	.6	.7	(z)
Other	2.4	3.7	6.9	4.0	9.7	12.0	4.7	12.0	1.2	1.3	1.6	1.4

X Not applicable. Z Less than $50 million or .05 percent. [1] Includes railroad retirement, not shown separately.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service.*

No. 506. Federal Individual Income Tax Returns With Adjusted Gross Income (AGI)—Summary: 1970 to 1986

[Includes Puerto Rico and Virgin Islands. Except as noted, includes returns of resident aliens, based on a sample of unaudited returns as filed. Data are not comparable for all years because of tax changes and other changes, as indicated. See *Statistics of Income, Individual Income Tax Returns* publications for a detailed explanation. See Appendix III. See *Historical Statistics, Colonial Times of 1970*, series Y 393–411, for related data]

ITEM	NUMBER OF RETURNS (1,000)					AMOUNT (mil. dol.)					AVERAGE AMOUNT (dollars)				
	1970	1975	1980	1985	1986, prel.	1970	1975	1980	1985	1986, prel.	1970	1975	1980	1985	1986, prel.
Total returns	74,280	82,229	93,902	101,660	103,100	631,693	947,785	1,613,731	2,305,951	2,522,517	8,504	11,526	17,185	22,683	24,419
Form 1040	74,280	54,526	57,123	67,006	68,865	631,693	789,435	1,310,066	1,938,263	2,151,163	8,504	14,478	22,935	28,927	31,228
Salaries and wages	66,966	73,520	83,802	87,198	88,587	531,884	795,399	1,349,843	1,928,201	2,046,135	7,943	10,819	16,106	22,113	23,097
Interest received	32,630	40,378	49,020	64,526	65,490	22,021	43,434	102,009	182,109	168,202	675	1,076	2,081	2,822	2,568
Dividends after exclusion	7,730	8,853	10,739	15,528	16,752	15,807	21,892	38,761	55,046	63,074	2,045	2,473	3,609	3,545	3,765
Business or profession profit less loss	6,160	7,243	8,881	11,900	12,431	30,554	39,421	55,129	78,773	90,367	4,960	5,443	6,207	6,620	7,269
Sales of capital assets, net gain less loss	7,963	7,575	9,971	11,126	15,560	9,007	14,072	30,029	67,694	132,842	1,131	1,856	3,012	6,084	8,537
Pensions and annuities in AGI	3,250	5,069	7,374	13,133	14,771	7,879	20,887	43,340	95,096	107,697	2,424	4,104	5,878	7,241	7,291
Rents and royalties, net income less loss	6,557	7,144	8,208	9,971	9,620	3,233	5,202	4,105	−12,964	−13,024	493	728	500	−1,300	−1,354
Partnerships and S Corporations [1], profit less loss	(NA)	(NA)	3,910	5,488	5,642	12,636	12,811	10,099	−2,527	5,454	(NA)	(NA)	2,583	−460	967
Farm profit less loss	3,027	2,755	2,608	2,621	2,533	2,789	3,563	−1,792	−12,005	−6,907	921	1,293	−687	−4,580	−2,727
Statutory adjustments, total	6,371	9,024	13,149	37,763	38,231	7,665	15,102	28,614	95,062	99,246	1,203	1,674	2,176	2,518	2,596
Individual Retirement Arrangements	(NA)	1,212	2,564	16,206	15,714	(NA)	1,436	3,431	38,212	38,256	(NA)	1,185	1,338	2,358	2,436
Self-employed retirement (Keogh) plan	592	596	569	676	772	848	1,604	2,008	5,182	6,178	1,432	2,691	3,529	7,666	8,003
Married couples who both work	(NA)	(NA)	(NA)	24,835	25,858	(NA)	(NA)	(NA)	24,615	26,915	(NA)	(NA)	(NA)	991	1,041
Exemptions, total [2]	204,126	212,203	227,925	244,180	246,596	127,531	159,141	227,569	253,720	266,105	625	750	998	1,039	1,079
Age 65 or older	8,904	9,937	11,847	16,749	17,581	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Blind	126	218	185	327	317	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Standard and itemized deductions, total [3]	73,862	81,566	88,105	96,849	98,525	120,550	233,182	362,776	554,734	611,416	1,632	2,858	4,118	5,728	6,206
Itemized deductions, total [3]	35,430	26,074	28,950	39,848	40,839	88,178	122,261	218,026	405,024	446,542	2,489	4,689	7,531	10,164	10,934
Medical and dental expenses	27,436	19,483	19,456	10,777	10,568	10,586	11,422	14,972	22,926	25,063	386	586	769	2,127	2,372
Taxes paid	35,161	25,929	26,749	39,548	40,605	32,015	44,141	69,404	128,085	144,705	911	1,702	2,414	3,239	3,564
Interest paid	29,206	23,385	26,677	36,287	37,375	23,929	38,865	91,187	180,095	194,451	819	1,663	3,418	4,963	5,203
Contributions	33,634	24,643	26,601	36,162	36,858	12,893	15,393	25,810	47,963	54,454	383	625	970	1,326	1,477
Taxable income	59,594	65,853	88,105	96,124	97,742	401,154	595,493	1,279,985	1,820,741	1,976,812	6,731	9,043	14,528	18,942	20,225
Income tax before credits	59,597	65,855	76,136	85,994	86,976	84,157	132,452	258,294	332,165	378,422	1,412	2,011	3,386	3,863	4,351
Tax credits, total [2]	1,715	65,855	19,674	20,995	17,374	370	8,070	7,216	10,248	7,655	216	123	367	486	441
Child care	(NA)	(NA)	4,231	8,418	9,228	(NA)	(NA)	956	3,128	3,494	(NA)	(NA)	226	372	379
Elderly and disabled	1,357	785	562	463	496	168	129	135	109	174	124	164	240	235	340
Residential energy	(NA)	(NA)	4,670	2,979	118	(NA)	(NA)	562	812	47	(NA)	(NA)	120	273	398
Foreign tax	200	234	393	454	495	170	382	1,342	783	1,343	850	1,632	3,415	1,725	2,713
General business credit [4]	(NA)	(NA)	(NA)	4,614	634	(NA)	(NA)	(NA)	4,791	1,035	(NA)	(NA)	(NA)	1,036	1,632
Income tax, total [5]	59,317	61,491	73,906	82,846	84,324	83,909	124,526	250,341	325,710	377,051	1,415	2,025	3,387	3,932	4,471

NA Not available. [1] Represents corporations with no more than 35 shareholders (10 prior to 1983), most of which are individuals electing to be taxed at the shareholder level. [2] Includes items not shown separately. [3] Includes charitable deduction for nonitemizers. [4] Includes investment credit. [5] Includes minimum tax or alternative minimum tax.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin, Fall, 1987* and *Statistics of Income, Individual Income Tax Returns*, annual.

No. 507. Individual Income Tax Returns—Number, Income Tax and Average Tax, by Size of Adjusted Gross Income: 1985 and 1986

[Number in thousands; money amounts in millions of dollars]

SIZE OF ADJUSTED GROSS INCOME	NUMBER OF RETURNS		TOTAL ADJUSTED GROSS INCOME (AGI)		TAXABLE INCOME		INCOME TAX, TOTAL [1]		FILERS WITH INCOME TAX LIABILITY			
									Average tax (dol.)		Tax as percent of AGI	
	1985	1986, prel.	1985	1986, prel.	1985	1986, prel.	1985	1986, prel.	1985	1986, prel.	1985	1986, prel.
Total	**101,660**	**103,300**	**2,305,951**	**2,522,517**	**1,820,741**	**1,976,812**	**325,710**	**377,051**	**3,931**	**4,471**	**14.4**	**14.9**
Less than $1,000 [2]	3,292	2,988	−36,741	−31,892	7	3	186	212	16,964	15,137	(x)	(x)
$1,000-$2,999	6,771	6,946	13,561	14,072	5,946	6,093	42	59	111	142	5.4	.4
$3,000-$4,999	6,685	6,905	26,770	27,834	16,049	16,319	348	326	100	96	2.4	1.2
$5,000-$6,999	6,571	6,480	39,357	38,970	25,680	24,635	1,193	1,041	275	248	4.5	2.7
$7,000-$8,999	6,664	6,203	53,478	49,604	37,544	33,767	2,260	1,963	460	445	5.7	4.0
$9,000-$10,999	6,235	6,166	62,125	61,415	46,036	44,048	3,461	3,222	633	603	6.3	5.2
$11,000-$12,999	5,583	5,548	66,863	66,513	51,016	49,612	4,549	4,333	865	833	7.2	6.5
$13,000-$14,999	5,387	5,303	75,352	74,089	58,885	57,158	5,789	5,467	1,119	1,073	8.0	7.4
$15,000-$16,999	4,895	4,771	78,225	76,279	61,706	59,727	6,534	6,334	1,375	1,361	8.6	8.3
$17,000-$18,999	4,543	4,514	81,675	81,217	65,462	64,575	7,482	7,304	1,666	1,645	9.4	9.0
$19,000-$21,999	6,089	6,099	124,506	125,032	100,463	99,384	12,203	11,990	2,044	1,991	10.0	9.6
$22,000-$24,999	5,051	5,210	118,540	122,220	95,256	96,354	12,275	12,688	2,469	2,454	10.5	10.4
$25,000-$29,999	7,458	7,536	204,399	207,522	164,077	165,343	22,917	22,808	3,103	3,042	11.3	11.0
$30,000-$39,999	11,636	11,535	402,943	399,682	320,092	315,276	49,794	48,781	8,722	4,249	12.4	12.2
$40,000-$49,999	6,702	7,516	297,914	334,721	233,646	261,482	41,502	46,057	6,215	6,136	14.0	13.8
$50,000-$74,999	5,629	6,472	333,710	384,277	259,467	297,585	56,065	62,874	9,984	9,732	16.8	16.4
$75,000-$99,999	1,263	1,543	107,425	131,616	82,293	100,414	21,795	26,231	17,297	17,029	20.3	19.9
$100,000-$199,999	909	1,152	119,200	152,496	90,835	117,669	29,657	38,543	76,424	33,495	25.9	25.3
$200,000-$499,999	238	306	66,986	87,234	52,920	68,411	22,033	28,726	199,605	94,001	32.1	32.9
$500,000-$999,999	41	57	27,541	37,140	21,270	30,527	9,876	14,397	240,714	254,001	35.9	38.8
$1,000,000 or more	17	36	40,100	82,275	32,087	66,253	15,728	33,694	910,931	940,434	39.3	41.0

X Not applicable. [1] Consists of income tax after credits, alternative minimum tax, and minimum tax. [2] For many taxpayers in this size class includes minimum tax or alternative tax on tax preferences not included in "taxable income." Includes returns with adjusted gross deficit.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Summer 1987, and *Statistics of Income, Individual Income Tax Returns*, annual.

No. 508. Individual Income Tax Returns—Itemized Deductions and Statutory Adjustments, by Size of Adjusted Gross Income: 1986

[Preliminary]

ITEM	Unit	ADJUSTED GROSS INCOME CLASS							
		Total	Under $10,000	$10,000 to $19,999	$20,000 to $29,999	$30,000 to $39,999	$40,000 to $49,999	$50,000 to $99,999	$100,000 and over
Returns with itemized deductions: Number	1,000	40,839	2,343	5,692	8,439	8,674	6,586	7,593	1,511
Amount	Mil. dol	446,542	12,401	35,702	59,579	75,635	70,191	116,572	76,462
Medical and dental expenses:									
Returns	1,000	10,568	1,416	3,028	2,598	1,712	953	794	69
Amount	Mil. dol	25,063	4,684	6,962	4,363	3,110	2,097	2,837	1,010
Taxes paid: Returns, total	1,000	40,605	2,200	5,639	8,425	8,662	6,561	7,587	1,510
State, local income taxes	1,000	33,367	1,211	4,212	7,046	7,448	5,643	6,491	1,316
Real estate taxes	1,000	33,162	1,350	4,196	6,298	7,148	5,791	6,966	1,416
Amount, total	Mil. dol	144,705	2,272	8,611	17,739	24,399	23,625	40,470	27,589
State, local income taxes	Mil. dol	72,396	358	2,297	7,245	11,231	11,131	20,463	19,671
Real estate taxes	Mil. dol	39,631	1,255	3,625	5,367	6,854	6,660	11,025	4,826
Interest paid: Returns	1,000	37,375	1,388	4,936	7,908	8,287	6,346	7,155	1,354
Amount	Mil. dol	194,451	3,656	15,159	27,491	36,206	33,670	53,872	24,396
Home mortgages interest:									
Returns	1,000	29,161	960	3,374	5,708	6,512	5,358	6,147	1,102
Amount	Mil. dol	125,722	2,407	9,912	17,906	24,102	22,606	36,585	12,113
Contributions: Returns	1,000	36,858	1,615	4,764	7,510	7,968	6,194	7,340	1,466
Amount	Mil. dol	54,454	683	3,319	5,949	7,049	6,671	12,409	18,174
Contributions by non-itemizers:									
Returns	1,000	28,186	8,614	11,026	5,405	2,062	724	340	28
Amount	Mil. dol	13,365	2,488	5,056	3,071	1,461	679	529	81
Returns with statutory adjustments: [1] Returns	1,000	38,231	2,103	5,959	8,331	7,750	5,960	6,833	1,246
Amount of adjustments	Mil. dol	99,246	2,924	8,170	14,306	16,517	16,119	30,109	11,101
Payments to IRA's: [2] Returns	1,000	15,714	608	1,780	2,717	2,877	2,524	4,118	1,089
Amount	Mil. dol	38,256	1,006	3,276	5,366	6,474	6,369	12,353	3,411
Payments to Keogh plans:									
Returns	1,000	772	9	53	81	105	80	273	171
Amount	Mil. dol	6,178	39	112	195	341	307	1,847	3,336

[1] Also includes disability income exclusion, employee business expenses, moving expenses, forfeited interest penalty, alimony paid, deduction for expense of living abroad, and other data not shown separately. [2] Individual Retirement Accounts.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

NO. 509. FEDERAL INDIVIDUAL INCOME TAX RETURNS—ADJUSTED GROSS INCOME, BY SOURCE OF INCOME AND INCOME CLASS FOR TAXABLE RETURNS: 1986

[In millions of dollars, except percent. Preliminary. Minus sign (-) indicates net loss was greater than net income. See headnote, table 506]

ITEM	Total [1]	Under $10,000	$10,000 to $19,999	$20,000 to $29,999	$30,000 to $39,999	$40,000 to $49,999	$50,000 to $99,999	$100,000 and over
Number of returns (1,000)	84,324	15,073	24,058	16,657	11,480	7,506	8,001	1,549
SOURCE OF INCOME								
Adjusted gross income (AGI)	2,472,676	100,561	355,176	411,349	397,738	334,314	514,963	358,576
Salaries and wages	1,976,635	78,634	285,299	354,063	355,956	298,168	432,310	172,204
Percent of AGI for taxable returns	79.9	78.2	80.3	86.1	89.5	89.2	83.9	48.0
Interest received	155,392	13,177	29,823	23,599	17,755	15,263	29,435	26,341
Dividends in AGI	60,482	1,640	5,130	5,586	4,407	4,841	12,658	26,220
Business and profession, net profit less loss	90,329	2,721	10,267	12,699	10,532	9,544	24,662	19,905
Pensions and annuities in AGI	102,105	6,087	26,058	20,737	13,941	12,625	17,553	5,105
Sales of property,[2] net gain less loss	134,401	2,429	3,161	4,263	4,958	5,176	18,442	95,974
Rents and royalties, net income less loss	-8,897	-321	-212	-2,632	-2,377	-2,238	-2,996	1,879
Other sources,[3] net	-37,771	-3,806	-4,350	-6,966	-7,434	-9,065	-17,101	10,948
PERCENTAGE OF ALL RETURNS								
Number of returns	81.6	14.6	23.3	16.1	11.1	7.3	7.7	1.5
Adjusted gross income	98.0	4.0	14.1	16.3	15.8	13.3	20.5	14.2
Salaries and wages	96.6	3.8	13.9	17.3	17.4	14.6	21.1	8.4
Interest received	92.4	7.8	17.7	14.0	10.6	9.1	17.5	15.7
Dividends in AGI	95.9	2.6	8.1	8.9	7.0	7.7	20.1	41.6
Business and profession, net profit less loss	99.9	3.0	11.4	14.1	11.7	10.6	27.3	22.0
Pensions and annuities in AGI	94.1	5.6	24.0	19.1	12.8	11.6	16.2	4.7
Sales of property [2] net gain less loss	97.8	1.8	2.3	3.1	3.6	3.8	13.4	69.9

[1] Includes a small number of taxable returns with no adjusted gross income. [2] Includes sales of capital assets and other property $2,293 million in 1986. [3] Includes statutory adjustments of $99,246 million in 1986.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns, 1986.*

NO. 510. FEDERAL INDIVIDUAL INCOME TAX RETURNS, INCOME, AND TAXES, 1970 TO 1986, AND BY STATE, 1986

YEAR, DIVISION AND STATE	Number of returns [1] (1,000)	ADJUSTED GROSS INCOME (AGI) [2] Total (mil. dol.)	ADJUSTED GROSS INCOME (AGI) [2] Per capita [3] (dol.)	INCOME TAX Total [4] (mil. dol.)	INCOME TAX Per capita [3] (dol.)
1970	74,278	631,626	3,096	82,880	406
1975	82,229	947,785	4,399	124,526	578
1979	92,694	1,465,395	6,525	214,495	955
1980	93,902	1,613,731	7,180	250,341	1,102
1981	95,396	1,772,604	7,719	284,129	1,237
1982	95,337	1,852,135	7,983	227,597	1,197
1983	99,419	2,134,030	9,109	314,564	1,343
1984	99,439	2,139,904	9,049	301,923	1,277
1985	102,037	2,289,333	9,589	336,638	1,410
1986	**103,634**	**2,472,560**	**10,256**	**380,562**	**1,579**
N. Eng.:					
ME	512	10,633	9,065	1,489	1,269
NH	505	13,080	12,736	2,190	2,132
VT	237	5,073	9,377	728	1,346
MA	2,801	74,562	12,785	12,383	2,123
RI	447	10,444	10,712	1,580	1,621
CT	1,593	47,914	15,025	8,736	2,739
Mid. Atl.:					
NY	7,659	209,806	11,806	34,044	1,916
NJ	3,809	106,177	14,198	18,336	2,407
PA	5,142	116,983	9,840	17,701	1,489
E.N.C.:					
OH	4,580	105,307	9,794	15,332	1,426
IN	2,308	51,454	9,348	7,595	1,380
IL	4,957	123,481	10,669	20,194	1,748
MI	3,887	97,549	10,667	14,921	1,632
WI	2,035	44,928	9,369	6,168	1,289
W.N.C.:					
MN	1,825	43,702	10,371	6,309	1,497
IA	1,152	23,099	8,102	3,229	1,133
MO	2,126	48,181	9,511	7,378	1,456
ND	273	5,176	7,623	744	1,096
SD	285	4,812	6,797	679	959
NE	669	13,552	8,481	1,955	1,223
KS	1,029	23,142	9,407	3,492	1,420
S.A.:					
DE	291	7,285	11,509	1,112	1,757
MD	2,127	57,492	12,882	8,710	1,952
DC	325	8,278	13,224	1,398	2,233
VA	2,584	65,738	11,360	9,852	1,702
WV	664	13,553	7,066	1,846	982
NC	2,710	57,577	9,092	7,933	1,253
SC	1,347	27,775	8,225	3,651	1,081
GA	2,548	58,644	9,607	8,597	1,408
FL	5,301	123,771	10,601	20,901	1,790
E.S.C.:					
KY	1,382	27,961	7,498	3,933	1,055
TN	1,968	41,071	8,551	6,072	1,264
AL	1,537	32,055	7,911	4,422	1,091
MS	918	16,395	6,246	2,101	800
W.S.C.:					
AR	883	16,574	6,987	2,205	930
LA	1,606	32,811	7,290	4,777	1,061
OK	1,244	26,126	7,905	3,736	1,131
TX	6,642	152,812	9,159	25,078	1,503
Mt.:					
MT	331	5,746	7,016	785	958
ID	368	6,977	6,963	901	899
WY	196	4,273	8,428	659	1,300
CO	1,431	34,123	10,445	5,074	1,553
NM	595	11,589	7,836	1,561	1,055
AZ	1,395	32,189	9,698	4,600	1,386
UT	598	13,264	7,966	1,633	981
NV	468	11,212	11,643	1,855	1,926
Pac.:					
WA	1,947	46,153	10,344	7,012	1,571
OR	1,130	24,358	9,028	3,325	1,232
CA	12,025	311,810	11,557	47,690	1,768
AK	231	6,496	12,165	1,088	2,037
HI	485	10,959	10,319	1,517	1,428
Other [5]	520	6,435	(NA)	1,355	(NA)

NA Not available. [1] Beginning 1983, includes returns filed by nonresident aliens and certain self-employment tax returns. [2] Less deficit. [3] Based on resident population as of July 1. [4] Includes additional tax for tax preferences, self-employment tax, and recomputed prior-year taxes before earned income credit. [5] Returns with addresses outside the United States. Includes data from tax returns of nonresident aliens.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Winter 1987-88.

NO. 511. FEDERAL INDIVIDUAL INCOME TAX—EFFECTIVE (AVERAGE) AND MARGINAL TAX RATES, FOR SELECTED INCOME GROUPS: 1954 TO 1985

[Refers to income after exclusions. Effective rate represents tax liability divided by stated income. The marginal tax rate is the percentage of the first additional dollar of income which would be paid in income tax. Computations assume the low income allowance, standard deduction, zero bracket amount, or itemized deductions equal to 10 percent of adjusted gross income, whichever is greatest. Excludes self-employment tax. See *Historical Statistics, Colonial Times to 1970*, series Y 412–439, for similar data based on net income]

ADJUSTED GROSS INCOME [1]	TAX LIABILITY							EFFECTIVE RATE (percent)							MARGINAL TAX RATE (percent)						
	1954–1963	1965	1970 [2]	1975	1979–1980 [3]	1984	1985	1954–1963	1965	1970 [2]	1975	1979–1980 [3]	1984	1985	1954–1963	1965	1970 [2]	1975	1979–1980 [3]	1984	1985
CURRENT DOLLARS																					
Single person, no dependents:																					
$5,000	818	671	683	404	250	193	177	16.4	13.4	13.7	8.1	5.0	3.9	3.5	22	19	19.5	19	16	12	12
$10,000	2,096	1,742	1,726	1,476	1,177	915	888	21.0	17.4	17.3	14.8	11.8	9.2	8.9	34	28	25.6	20.2	21	16	16
$20,000	5,900	4,918	4,405	4,123	3,837	2,945	2,845	29.5	24.6	22.0	20.6	19.2	14.7	14.3	50	42	34.8	34	34	26	26
$25,000	8,324	6,982	6,091	5,865	5,484	4,205	4,125	33.3	27.9	24.4	23.5	21.9	16.8	16.5	56	48	39.0	38	39	30	26
$35,000	13,778	11,627	10,028	9,698	9,194	7,065	6,916	39.4	33.2	28.7	27.7	26.3	20.2	19.8	62	53	46.1	45	44	34	34
$50,000	22,786	19,230	17,235	16,710	16,032	12,335	12,067	45.6	38.5	34.5	33.4	32.1	24.7	24.1	72	60	61.5	60	55	42	42
$75,000	39,702	33,206	31,560	30,680	29,487	22,595	22,195	52.9	44.3	42.1	40.9	39.3	30.1	29.6	78	64	65.6	64	63	48	48
Married couple, 2 dependents: [4]																					
$5,000	420	290	290	[5] −300	[5] −500	[5] −500	[5] −550	8.4	5.8	5.8	[5] 6.0	[5] −10.0	[5] −10.0	[5] −11.0	20	15	15	[5] 10	–	–	–
$10,000	1,372	1,114	1,112	709	374	291	[5] 132	13.7	11.1	11.2	7.1	3.7	2.9	[5] 1.3	22	19	19.5	19	16	12	[5] 24.2
$20,000	3,800	3,160	3,213	2,740	2,265	1,741	1,682	19.0	15.8	16.1	13.7	11.3	8.7	8.4	30	25	25.6	25	24	18	16
$25,000	5,318	4,412	4,490	4,092	3,497	2,673	2,566	21.3	17.6	18.0	16.4	14.0	10.7	10.3	38	32	28.7	28	28	22	18
$35,000	9,037	7,529	7,677	7,175	6,571	5,070	4,916	25.8	21.5	21.9	20.5	18.8	14.5	14.0	47	39	40.0	39	37	28	25
$50,000	15,976	13,388	13,674	12,980	12,118	9,310	9,086	32.0	26.8	27.3	26.0	24.2	18.6	18.2	56	48	49.2	48	43	33	33
$75,000	29,635	25,025	25,594	24,575	23,404	18,066	17,649	39.5	33.4	34.1	32.8	31.2	24.1	23.5	65	55	56.4	55	54	42	42

	CURRENT INCOME EQUIVALENT TO CONSTANT INCOME							EFFECTIVE RATE (percent)							MARGINAL TAX RATE (percent)						
	1960	1970	1975	1979	1980	1984	1985	1960	1970 [2]	1975	1979	1980	1984	1985	1960	1970 [2]	1975	1979	1980	1984	1985
CONSTANT (1980) DOLLARS [6]																					
Single person, no dependents:																					
$5,000	2,010	2,585	3,499	4,536	5,000	6,160	6,353	12.0	7.5	4.0	3.9	5.0	5.6	5.6	20	16.8	16	16	16	14	14
$10,000	4,019	5,170	6,998	9,902	10,000	12,320	12,705	15.5	13.8	11.4	10.9	11.8	10.5	10.5	22	21.5	21	19	21	18	18
$20,000	8,038	10,341	13,997	18,144	20,000	24,639	25,411	19.3	17.0	16.7	17.9	19.2	16.7	16.6	30	25.6	22.7	30	34	26	26
$25,000	10,048	12,926	17,496	22,680	25,000	30,799	31,764	21.0	18.7	19.0	20.9	21.9	18.8	18.7	34	27.7	31	34	39	34	30
$35,000	14,067	18,097	24,494	31,752	35,000	43,119	44,469	24.4	21.1	23.2	24.9	26.3	22.7	22.6	43	31.8	38	44	44	38	38
$50,000	20,095	25,852	34,992	45,361	50,000	61,599	63,527	29.6	24.8	27.7	30.0	32.1	27.3	27.1	50	41.0	45	55	55	48	48
$75,000	30,143	38,779	52,487	68,041	75,000	92,398	95,291	36.7	30.2	34.4	37.5	39.1	32.6	32.5	62	51.2	60	63	63	50	50
Married couple, 2 dependents: [4]																					
$5,000	2,010	2,585	3,499	4,536	5,000	6,160	6,353	–	–	[5] −10	[5] −10	[5] −10	[5] −7.8	[5] −8.7	–	–	[5] −10	[5] −10	–	[5] 12.5	–
$10,000	4,019	5,170	6,998	9,902	10,000	12,320	12,705	6.1	5.8	[5] 1.2	[5] 1.4	3.7	4.7	4.7	20	16.8	[5] 26	[5] 26.5	16	14	14
$20,000	8,038	10,341	13,997	18,144	20,000	24,639	25,411	12.2	11.4	10.2	10.3	11.3	10.5	10.4	22	19.5	18.5	21	24	22	22
$25,000	10,048	12,926	17,496	22,680	25,000	30,799	31,764	13.7	12.9	12.1	12.8	14.0	13.0	12.9	22	22.8	22	24	28	25	25
$35,000	14,067	18,097	24,494	31,752	35,000	43,119	44,469	16.1	15.3	16.1	17.4	18.8	16.9	16.7	26	25.6	28	32	37	33	33
$50,000	20,095	25,852	34,992	45,361	50,000	61,599	63,527	19.0	18.3	20.5	22.8	24.2	21.4	21.3	30	32.8	39	43	44	38	38
$75,000	30,143	38,779	52,487	68,041	75,000	92,398	95,291	23.6	23.3	26.8	29.4	31.2	26.7	26.6	43	43.0	50	54	54	42	42

– Represents zero. [1] See headnote, table 506. [2] Includes tax surcharge. [3] 1981 tax liability and tax rates are 98.75 percent of the 1980 rates. [4] Only one spouse is assumed to work. [5] Refundable earned income credit. [6] Amount of adjusted gross income equivalent to adjusted gross income in 1980 dollars was calculated by using the NIPA personal consumption expenditure deflator (1972=100). The values of the deflators are: 1960, 71.9; 1970, 92.5; 1975, 125.3; 1979, 162.3; 1980, 178.9; 1984, 220.4; and 1985, 227.3 (estimated).

Source: U.S. Dept. of the Treasury, unpublished data.

NO. 512. FEDERAL CIVILIAN EMPLOYMENT, BY BRANCH, AGENCY, AND AREA: 1980 AND 1987

[As of **September 30**]

AGENCY	TOTAL			UNITED STATES			WASHINGTON, DC METROPOLITAN AREA (MSA)		
	1980	1987	Percent change 1980-1987	1980	1987	Percent change 1980-1987	1980	1987	Percent change 1980-1987
Total, all agencies	**2,875,866**	**3,090,899**	**7.5**	**2,753,770**	**2,943,045**	**6.9**	**360,452**	**350,408**	**-2.8**
Legislative branch, total [1]	39,710	37,918	-4.5	39,625	37,865	-4.5	37,141	35,498	-4.4
Congress [1]	19,096	19,364	1.4	19,096	19,364	1.4	19,096	19,364	1.4
U.S. Senate	7,195	7,311	1.6	7,195	7,311	1.6	7,195	7,311	1.6
House of Representatives	11,888	12,038	1.3	11,888	12,038	1.3	11,888	12,038	1.3
Architect of the Capitol	2,168	2,157	-.5	2,168	2,157	-.5	2,168	2,157	-.5
Judicial branch	15,178	20,244	33.4	14,997	20,013	33.4	1,614	1,799	11.5
Supreme Court	331	342	3.3	331	342	3.3	331	342	3.3
U.S. Courts	14,847	19,902	34.0	14,666	19,671	34.1	1,283	1,457	13.6
Executive branch, total	2,820,978	3,032,537	7.5	2,699,148	2,885,177	6.9	321,697	313,111	-2.7
Executive Office of the President [1]	1,886	1,553	-17.7	1,879	1,545	-17.8	1,879	1,545	-17.8
White House Office	406	366	-9.9	406	366	-9.9	406	366	-9.9
Office of the Vice-President	16	24	50.0	16	24	50.0	16	24	50.0
Office of Management and Budget	616	550	-10.7	616	550	-10.7	616	550	-10.7
Office of Administration	166	193	16.3	166	193	16.3	166	193	16.3
Council of Economic Advisors	35	30	-14.3	35	30	-14.3	35	30	-14.3
Executive departments	1,716,970	1,806,101	5.2	1,618,621	1,681,653	3.9	233,030	229,672	-1.4
State	23,497	25,483	8.5	8,187	8,253	.8	7,038	7,285	3.5
Treasury	124,663	149,187	19.7	123,649	148,134	19.8	17,988	19,509	8.5
Defense	960,116	1,090,018	13.5	883,468	989,078	12.0	78,311	88,573	13.1
Justice	56,327	70,696	25.5	55,457	69,506	25.3	16,033	18,522	15.5
Interior	77,357	76,719	-.8	77,031	76,368	-.9	10,284	9,034	-12.2
Agriculture	129,139	116,993	-9.4	127,637	115,520	-9.5	13,565	12,128	-10.6
Commerce	48,563	34,826	-28.3	47,838	34,077	-28.8	20,400	18,157	-11.0
Labor	23,400	17,976	-23.2	23,299	17,934	-23.0	7,934	6,172	-22.2
Health and Human Services	155,662	127,039	-18.4	154,715	126,265	-18.4	33,251	29,304	-11.9
Housing and Urban Development	16,964	13,033	-23.2	16,790	12,891	-23.2	4,805	3,252	-32.3
Transportation	72,361	62,488	-13.6	71,638	61,992	-13.5	10,465	8,502	-18.8
Energy	21,557	16,749	-22.3	21,549	16,744	-22.3	8,446	5,851	-30.7
Education	7,364	4,894	-33.5	7,363	4,893	-33.5	4,508	3,383	-25.0
Independent agencies [1]	1,102,122	1,224,883	11.1	1,078,648	1,201,979	11.4	86,788	81,894	-5.6
Environmental Protection Agency	14,715	15,173	3.1	14,700	15,156	3.1	5,226	5,078	-2.8
Equal Employment Opportunity Commission	3,515	3,278	-6.7	3,515	3,278	-6.7	876	810	-7.5
Federal Deposit Insurance Corporation	3,520	9,219	161.9	3,463	9,128	163.5	1,066	1,136	6.6
Fed. Emergency Mgm't. Agency	3,427	2,700	-21.2	3,410	2,694	-21.0	1,597	1,246	-22.0
General Services Administration	37,654	21,878	(x)	37,549	21,774	(x)	12,653	8,090	(x)
National Aeronautics and Space Administration	23,714	22,950	-3.2	23,692	22,943	-3.2	5,066	4,959	-2.1
Nuclear Regulatory Commission	3,283	3,426	4.4	3,283	3,426	4.4	2,546	2,246	-11.8
Office of Personnel Management	8,280	6,078	-26.6	8,259	6,047	-26.8	3,472	2,436	-29.8
Small Business Administration	5,804	4,846	-16.5	5,679	4,747	-16.4	1,074	1,332	24.0
Smithsonian Institution	4,403	5,028	14.2	4,301	4,915	14.3	4,065	4,684	15.2
Tennessee Valley Authority	51,714	32,738	-36.7	51,710	32,738	-36.7	15	14	-6.7
U.S. Information Agency [2]	8,138	8,896	9.3	3,317	4,407	32.9	3,060	4,122	34.7
U.S. International Development Cooperation Agency	6,152	4,803	-21.9	2,740	2,321	-15.3	2,721	2,310	-15.1
U.S. Postal Service	660,014	797,851	20.9	657,138	794,535	20.9	17,372	20,142	15.9
Veterans Administration	228,285	250,013	9.5	225,955	247,314	9.5	6,499	6,504	.1

NA Not available. X Not applicable. [1] Includes other branches, or other agencies, not shown separately. [2] Formerly International Communications Agency.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics—Employment and Trends*, bimonthly.

NO. 513. FEDERAL WHITE-COLLAR CIVILIAN EMPLOYMENT, BY SEX AND GRADE: 1970 TO 1987

[**1970–1985, as of Oct. 31; thereafter as of Sept. 30.** Represents full-time white-collar employment]

GRADE [1]	TOTAL (1,000)					PERCENT FEMALE				
	1970	1980	1983	1985	1987	1970	1980	1983	1985	1987
Total employment [2]	**1,885**	**2,006**	**2,039**	**2,156**	**2,203**	**33.1**	**38.6**	**46.2**	**47.4**	**48.2**
General Schedule and equivalent pay system	1,259	1,473	1,484	1,561	1,585	40.3	45.1	46.5	47.7	48.4
Grades 1–6 ($9,619–$21,480)	521	561	541	563	549	72.2	74.1	74.6	74.5	74.9
Grades 7–10 ($18,358–$32,148)	302	357	360	377	389	33.4	46.3	48.6	50.3	51.4
Grades 11–12 ($27,172–$42,341)	264	335	362	388	407	9.5	19.3	24.2	27.5	30.0
Grades 13–15 ($38,727–$69,976)	164	217	220	231	239	3.0	8.2	10.3	12.1	14.2
Grades 16–18 ($63,135–$72,500) [3]	8	3	1	1	1	1.4	4.4	5.8	6.1	6.9

[1] Pay ranges shown for General Schedule grades are as of January 1, 1987. [2] Includes U.S. Postal Service, and other systems not shown separately. [3] Beginning 1980, change in number reflects shift of senior level employees to Senior Executive Service.

Source: U.S. Office of Personnel Management, *Occupations of Federal White-Collar and Blue-Collar Workers*, biennial, and *The Pay Structure of the Federal Civil Service*, annual.

No. 514. FEDERAL CIVILIAN EMPLOYMENT AND ANNUAL PAYROLL, BY BRANCH: 1970 TO 1987

[Annual employment: **For fiscal year ending in year shown;** see text, section 9. Includes employees in U.S. territories and in foreign countries. Data represent employees in active-duty status, including intermittent employees. Annual employment figures are averages of monthly figures. Excludes Central Intelligence Agency, National Security Agency, and as of November 1984, the Defense Intelligence Agency. See also *Historical Statistics, Colonial Times to 1970,* series Y 308–317]

YEAR	EMPLOYMENT						PAYROLL				
	Total [1] (1,000)	Percent of U.S. employed [2]	Executive		Legislative (1,000)	Judicial (1,000)	Total [1] (mil. dol.)	Executive		Legislative (mil. dol.)	Judicial (mil. dol.)
			Total [1] (1,000)	Defense (1,000)				Total [1] (mil. dol.)	Defense (mil. dol.)		
1970	[3] 2,928	3.7	[3] 2,891	1,195	30	7	[3] 28,562	[3] 28,117	11,352	353	92
1975	2,882	3.4	2,834	1,036	37	10	40,699	39,944	14,356	589	166
1978	2,875	3.0	2,822	987	40	13	49,921	48,899	16,995	771	251
1979	2,897	2.9	2,844	970	40	13	53,590	52,513	18,065	817	260
1980	[4] 2,987	3.0	[4] 2,933	972	40	14	[4] 58,012	[4] 56,841	19,234	883	288
1981	2,910	2.9	2,855	986	40	15	63,792	62,510	21,227	922	360
1982	2,871	2.9	2,816	1,019	39	16	65,503	64,125	22,226	980	398
1983	2,878	2.9	2,823	1,033	39	16	69,878	68,420	23,406	1,013	445
1984	2,935	2.8	2,879	1,052	40	17	74,537	73,005	25,253	1,081	451
1985	3,001	2.8	2,944	1,060	39	18	80,445	78,840	28,219	1,097	509
1986	3,047	2.8	2,990	1,069	38	19	82,598	80,941	29,272	1,112	545
1987	3,075	2.7	3,016	1,084	38	19	85,543	83,797	29,786	1,153	593

[1] Includes Postal Service Christmas help. [2] Civilian only. See table 522. [3] Includes 33,000 temporary census workers. [4] Includes 4,975 temporary census workers.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics, Employment and Trends,* bimonthly, formerly the *Monthly Release of Federal Civilian Workforce Statistics;* and unpublished data.

No. 515. FEDERAL CIVILIAN EMPLOYMENT—SUMMARY: 1970 TO 1987

[**In thousands. As of Dec. 31.** Excludes U.S. Territories and foreign countries, Central Intelligence Agency, National Security Agency, and the Defense Intelligence Agency. Partially estimated]

CHARACTERISTIC OF EMPLOYMENT	UNITED STATES								WASHINGTON, DC [1]				
	1970	1975	1980	1983	1984	1985	1986	1987	1970	1980	1985	1986	1987
Paid employment	**2,645**	**2,741**	**2,772**	**2,754**	**2,824**	**2,902**	**2,895**	**2,972**	**316**	**366**	**353**	**344**	**351**
Male	1,931	1,896	1,790	1,680	1,694	1,760	1,765	1,813	180	202	191	186	190
Female	714	845	982	1,074	1,130	1,133	1,130	1,159	136	164	162	158	161
Full-time	2,516	2,496	2,504	2,497	2,537	2,589	2,575	2,651	308	342	335	327	334
Other	129	245	268	257	287	313	320	321	8	24	18	17	17
Competitive service [2]	2,393	1,714	1,692	1,685	1,698	1,710	1,678	1,724	262	256	246	239	242
Temporary [3]	112	60	70	70	68	82	72	85	11	11	11	9	11
xcepted and Senior Executive Services (SES) [2] [4]	252	1,027	1,080	1,069	1,126	1,191	1,217	1,249	54	107	108	105	108
Permanent	164	863	917	926	968	1,015	1,035	1,057	38	70	73	73	74
Other	88	164	163	143	158	176	182	192	16	37	35	32	34
hite-collar [5]	2,113	2,255	2,314	2,319	2,393	2,478	2,490	2,568	278	334	327	319	327
ue-collar [5]	532	486	458	435	431	424	405	404	38	32	26	25	24

[1] Through June 30, 1983, represents SMSA; thereafter, MSA. [2] In 1971, under Postal Reorganization Act of 1970, U.S. Postal rvice employees were changed from competitive service to excepted service. [3] Includes "indefinite." [4] Excepted from mpetitive requirements of Civil Service Act. Prior to 1980 SES was not included in total.
[5] Through 1980, based on full-time employment; beginning 1983, based on total workforce.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics, Employment and Trends,* bimonthly, merly the *Monthly Release of Federal Civilian Workforce Statistics;* and unpublished data.

No. 516. ACCESSIONS TO AND SEPARATIONS FROM PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT: 1970 TO 1988

n thousands, except rate. For fiscal year ending in year shown, except as noted;** see text, section 9. Includes accessions and separations of part-time and intermittent employees]

ITEM	UNITED STATES							WASHINGTON, DC [1]				
	1970	1975	1980	1985	1986	1987	Oct. 1987–March 1988	1980	1985	1986	1987	Oct. 1987–March 1988
essions, total	727.0	564.2	995.2	692.1	598.7	637.6	302.4	94.1	62.4	57.5	64.2	30.7
onthly rate [2]	2.2	1.7	2.9	2.0	1.7	1.8	1.7	2.3	1.6	1.4	1.8	1.5
arations, total	796.7	588.9	1,004.0	585.6	557.5	558.7	272.1	89.2	57.8	58.7	55.4	26.2
onthly rate [2]	2.4	1.8	3.0	1.7	1.6	1.6	1.5	2.2	1.5	1.4	1.4	1.3
uit [3]	334.4	212.9	227.7	238.6	208.7	206.1	89.8	32.9	25.2	26.2	24.3	9.1

[1] See footnote 1, table 515. [2] Per 100 employees. [3] Represents voluntary resignations by employees or separations by cy if employee declines new assignment, abandons position, joins military, or fails to return from military furlough.

urce: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics, Employment and Trends,* bimonthly, rly the *Monthly Release of Federal Civilian Workforce Statistics.*

NO. 517. PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT 1960 TO 1986, AND BY STATE, 1986

[As of **December 31**. Excludes members and employees of Congress, Central Intelligence Agency, temporary Christmas help of the U.S. Postal Service, and National Security Agency]

YEAR, DIVISION, AND STATE	Total (1,000)	Percent defense	Rate per 10,000 population [1]	DIVISION AND STATE	Total (1,000)	Percent defense	Rate per 10,000 population [1]
1960	2,213	42.1	123.4	**South Atlantic—Con.**			
1970	2,665	37.8	131.1	District of Columbia	206	8.3	3,290.7
1980	2,659	32.2	117.4	Virginia	156	67.9	269.6
1982	2,734	34.3	117.8	West Virginia	15	13.3	78.2
1984	2,771	34.3	117.2	North Carolina	45	35.6	71.1
1986, total [2]	**2,862**	**33.8**	**118.7**	South Carolina	32	62.5	94.6
New England	**121**	**28.1**	**95.0**	Georgia	86	46.5	140.9
Maine	17	58.8	144.9	Florida	101	31.7	88.5
New Hampshire	7	28.6	68.2	**East South Central**	**174**	**33.9**	**114.4**
Vermont	5	20.0	92.4	Kentucky	33	42.4	88.5
Massachusetts	59	20.3	101.2	Tennessee	58	12.1	120.8
Rhode Island	10	40.0	102.6	Alabama	59	45.8	145.6
Connecticut	23	21.7	72.1	Mississippi	24	45.8	91.4
Middle Atlantic	**361**	**28.0**	**96.8**	**West South Central**	**272**	**38.8**	**101.3**
New York	156	12.8	87.8	Arkansas	19	26.3	80.1
New Jersey	74	36.5	97.1	Louisiana	33	27.3	73.3
Pennsylvania	131	41.2	110.2	Oklahoma	48	54.2	145.2
East North Central	**319**	**27.3**	**76.4**	Texas	172	37.8	103.1
Ohio	90	37.8	83.7	**Mountain**	**187**	**32.6**	**142.8**
Indiana	41	36.6	74.5	Montana	11	9.1	134.3
Illinois	104	21.2	90.0	Idaho	10	10.0	99.8
Michigan	57	22.8	62.3	Wyoming	6	16.7	118.3
Wisconsin	27	11.1	56.4	Colorado	52	28.8	158.2
West North Central	**172**	**22.7**	**97.9**	New Mexico	26	38.5	175.8
Minnesota	31	9.7	73.6	Arizona	36	30.6	108.5
Iowa	18	5.6	63.1	Utah	36	55.6	216.2
Missouri	67	31.3	132.3	Nevada	10	20.0	103.8
North Dakota	8	25.0	117.8	**Pacific**	**445**	**43.1**	**124.6**
South Dakota	9	11.1	127.1	Washington	63	46.0	141.2
Nebraska	15	26.7	93.9	Oregon	27	11.1	100.1
Kansas	24	29.2	97.6	California	314	42.7	118.4
South Atlantic	**775**	**35.7**	**189.4**	Alaska	14	35.7	262.2
Delaware	5	40.0	79.0	Hawaii	27	77.8	254.2
Maryland	129	32.6	289.0				

[1] For 1960–1980, based on April 1 enumerated population; other years based on July 1 estimated resident population. [2] Preliminary. Includes employees not specified by State.

Source: U.S. Office of Personnel Management, *Biennial Report of Employment by Geographic Area.*

NO. 518. PAID FULL-TIME CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, ALL AREAS: 1980 TO 1987

[As of **March 31**. Excludes employees of Congress and Federal courts, maritime seamen of Dept. of Commerce, and small number for whom rates were not reported. See text, section 10 for explanation of general schedule and wage system. See also *Historical Statistics, Colonial Times to 1970*, series Y 318–331]

COMPENSATION AUTHORITY	EMPLOYEES (1,000)						AVERAGE PAY (dol.)					
	1980	1983	1984	1985	1986	1987	1980	1983	1984	1985	1986	1987
Total	**2,507**	**2,499**	**2,520**	**2,590**	**2,616**	**2,625**	**19,447**	**[1] 24,074**	**[1] 25,211**	**[1] 26,139**	**[1] 26,369**	**[1] 27,420**
General schedule	1,402	1,393	1,407	1,450	1,462	1,458	17,299	24,178	25,282	26,186	26,274	27,421
Wage system	456	430	420	418	409	391	17,644	21,500	22,393	23,288	23,837	24,432
Postal pay system [2]	536	547	561	586	606	633	20,076	24,612	25,504	26,559	26,744	28,925
Other	113	129	132	136	139	143	20,344	31,544	33,453	34,413	34,814	36,859

[1] Excludes postal pay system. [2] Source: U.S. Postal Service, *National Payroll Hours*, annual.

Source: Except as noted, U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

NO. 519. FEDERAL GENERAL SCHEDULE EMPLOYEE PAY INCREASES: 1965 TO 1988

[Percent change from prior year shown, except 1965, change from 1964. Represents legislated pay increases. For some years data based on range; for details see source]

EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase
Oct. 1, 1965	3.6	Oct. 1, 1972	5.1	Oct. 1, 1980	9.1
July 1, 1966	2.9	Oct. 1, 1973	4.8	Oct. 1, 1981	4.8
Oct. 1, 1967	4.5	Oct. 1, 1974	5.5	Oct. 1, 1982	4.0
July 1, 1968	4.9	Oct. 1, 1975	5.0	Jan. 1, 1984	4.0
July 1, 1969	9.1	Oct. 1, 1976	5.2	Jan. 1, 1985	3.5
Dec. 27, 1969	6.0	Oct. 1, 1977	7.0	Jan. 1, 1986	-
Jan. 1, 1971	6.0	Oct. 1, 1978	5.5	Jan. 1, 1987	3.0
Jan. 1, 1972	5.5	Oct. 1, 1979	7.0	Jan. 1, 1988	2.0

- Represents zero.

Source: U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

NO. 520. FEDERAL PAID CIVILIAN EMPLOYMENT, BY AGENCY: 1970 TO 1987

[As of end of fiscal year; see text, section 9. See headnote, table 514. Includes U.S. outlying areas and foreign countries. See also *Historical Statistics, Colonial Times to 1970*, series Y 308-317]

AGENCY	1970	1975	1980	1983	1984	1985	1986	1987
All agencies	**2,921,909**	**2,896,944**	**2,875,866**	**2,876,283**	**2,934,255**	**3,020,531**	**[1] 3,022,189**	**3,090,699**
Legislative branch	30,715	38,531	39,710	39,143	38,832	38,764	36,490	37,918
Judicial branch	6,887	10,399	15,178	16,626	17,247	18,225	18,966	20,244
Executive branch [2]	2,884,307	2,848,014	2,820,978	2,820,494	2,878,176	2,963,542	2,966,773	3,032,537
Executive Office of the President	4,742	1,918	1,886	1,621	1,595	1,526	1,492	1,553
Executive departments	1,812,572	1,736,872	1,716,970	1,739,153	1,753,336	1,789,270	1,761,644	1,806,101
Agriculture	116,012	120,999	129,139	123,987	118,809	117,750	113,147	116,993
Commerce	[3] 57,874	36,228	[3] 48,563	35,576	35,271	35,150	34,397	34,826
Census Bureau	(NA)	(NA)	[3] 19,925	8,461	8,270	8,633	8,539	9,063
Defense	1,193,784	1,041,829	960,116	1,026,461	1,043,784	1,084,549	1,067,974	1,090,018
Education [4]	(X)	(X)	7,364	5,268	5,343	4,889	4,554	4,894
Energy [5]	(X)	(X)	21,557	17,229	16,976	16,749	16,657	16,749
Health and Human Services [4]	108,044	147,125	155,662	147,162	144,240	140,151	133,842	127,039
Social Security Admin.	(NA)	(NA)	84,272	86,052	84,932	82,967	77,823	70,783
Housing and Urban Development [6]	15,190	17,161	16,964	12,996	12,393	12,289	11,843	13,033
Interior	73,361	80,198	77,357	79,562	78,661	77,485	73,960	76,719
Justice	39,257	51,541	56,327	58,869	61,396	64,433	65,529	70,696
Labor	10,991	14,834	23,400	19,063	18,320	18,260	17,467	17,976
State	39,753	30,376	23,497	23,961	24,706	25,254	25,325	25,483
Transportation	65,965	75,035	72,361	62,959	62,781	62,227	61,281	62,488
Treasury	92,521	121,546	124,663	126,020	130,654	130,084	135,628	149,167
Internal Revenue Service	(NA)	(NA)	85,981	89,657	94,642	94,998	100,480	111,241
Independent agencies:								
Environmental Protection Agency	(X)	10,772	14,715	11,931	13,048	13,788	14,021	15,173
National Aeronautics and Space Administration	32,548	26,447	23,714	22,784	22,085	22,562	22,244	22,950
Office of Personnel Management [7]	5,508	8,157	8,280	6,369	6,553	6,353	5,929	6,078
Railroad Retirement Board	1,734	1,961	1,795	1,565	1,578	1,681	1,601	1,637
Small Business Administration	4,269	4,796	5,804	5,100	5,093	4,960	4,906	4,846
Tennessee Valley Authority	22,244	28,423	51,714	37,181	33,580	32,035	30,564	32,738
Veterans Administration	168,719	213,143	228,285	238,739	239,923	247,156	240,423	250,013

NA Not available. X Not applicable. [1] Excludes agencies not shown separately. [2] Includes other agencies not shown separately. [3] Includes 24,278 enumerators in 1970 census, and 4,975 enumerators in the 1980 census. [4] Dept. of Education established Sept. 1979; formerly included with Health and Human Services. [5] Dept. of Energy established Oct. 1, 1977. [6] Includes Housing and Home Finance Agency. [7] Formerly Civil Service Commission.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics, Employment and Trends*, bimonthly; formerly the *Monthly Release of Federal Civilian Work Force Statistics*.

NO. 521. FEDERAL GOVERNMENT EMPLOYMENT, BY RACE AND HISPANIC ORIGIN, AND BY PAY SYSTEM: 1982 AND 1986

[As of Sept. 30. Covers total employment for only Executive Branch agencies participating in OPM's central personnel data file. Excludes foreign nationals abroad and U.S. Postal Service]

PAY SYSTEM	1982					1986, est.				
	Total employees (1,000)	Race/Hispanic origin				Total employees (1,000)	Race/Hispanic origin			
		Total [1] (1,000)	Percent of total	Black, non-Hispanic (1,000)	Hispanic (1,000)		Total [1] (1,000)	Percent of total	Black, non-Hispanic (1,000)	Hispanic (1,000)
All pay systems, total [2]	**2,008.6**	**484.0**	**24.1**	**311.1**	**90.0**	**2,084.0**	**541.8**	**26.0**	**339.8**	**105.2**
eneral schedule and equivalent [3]	1,508.3	336.2	22.3	222.0	59.0	1,592.7	392.6	24.6	253.6	72.4
GS 1-4 ($9,339-$16,723)	303.6	101.9	33.6	71.0	16.1	282.8	108.6	38.4	75.7	17.9
GS 5-8 ($14,390-$25,662)	464.9	126.5	27.2	90.2	20.2	491.3	148.1	30.1	102.8	25.0
GS 9-12 ($21,804-$41,105)	530.0	87.6	16.5	50.1	18.7	590.0	111.3	18.9	62.6	24.5
GS 13-15 ($37,599-$67,940)	209.8	20.1	9.6	10.7	4.0	228.6	24.6	10.8	12.5	5.0
ecutive, total	7.8	.6	7.2	.3	.1	8.9	.6	6.6	.4	.1
ge systems	414.0	134.6	32.5	83.5	28.0	409.2	135.2	33.0	80.9	29.7
her pay systems [4]	69.3	10.1	14.6	3.7	2.3	69.0	11.8	17.1	3.8	2.7

Includes American Indians, Alaska Natives, Asians, and Pacific Islanders, not shown separately. [2] Due to the inclusion of pecified employee records, the pay systems listed do not add to the total. [3] Pay rates as of January 1986 for general edule. Each grade (except Executive) includes several salary steps. Range is from lowest to highest step of grades shown. Includes white-collar employment in other than General Schedule and Equivalent or Executive pay plans.

ource: U.S. Office of Personnel Management, *1986 Affirmative Employment Statistics*; biennial, and unpublished data.

NO. 522. FEDERAL LAND AND BUILDINGS OWNED AND LEASED: 1960 TO 1987

[For fiscal years ending in year shown; see text, section 9. Covers Federal real property throughout the world, except as noted. Totals include data not shown separately. For data on Federal land by State, see table 335]

ITEM AND AGENCY	Unit	1960	1970	1975	1980	1982	1983	1984	1985	1987
Federally owned:										
Land, total	Mil. acres	772	762	761	720	730	732	727	727	724
Dept. of Agriculture	Mil. acres	186	187	188	184	193	193	189	189	189
Dept. of Defense	Mil. acres	30	31	31	30	23	29	24	29	25
Dept. of the Interior	Mil. acres	553	540	536	502	511	507	500	500	504
Buildings, number [1]	1,000	413	418	405	403	387	418	438	454	412
Dept. of Defense [1]	1,000	320	319	312	301	292	321	323	354	316
Dept. of the Interior	1,000	31	34	30	34	35	37	36	37	38
Buildings, floor area [1]	Mil. sq. ft	2,445	2,542	2,502	2,522	2,467	2,609	2,725	2,860	2,700
Dept. of Defense [1]	Mil. sq. ft	1,929	1,857	1,802	1,777	1,707	1,838	1,929	2,065	1,808
General Services Administration	Mil. sq. ft	122	205	194	202	199	199	204	207	210
Dept. of the Interior	Mil. sq. ft	42	61	58	65	69	72	71	71	72
Veterans Administration	Mil. sq. ft	115	110	111	116	117	119	117	119	120
Cost of land, buildings, etc.[2]	Bil. dol	53	79	91	107	117	132	147	148	165
Dept. of Defense	Bil. dol	31	44	56	60	68	73	77	72	80
Dept. of the Interior	Bil. dol	5	8	10	10	12	12	13	14	13
Federally leased:										
Land	Mil. acres	1.8	1.6	1.2	1.4	1.4	1.4	1.8	1.3	1.6
Dept. of Defense	Mil. acres	1.7	1.4	1.0	1.2	1.2	1.1	1.1	.5	.8
Buildings, floor area [1]	Mil. sq. ft	97	182	210	214	215	206	203	237	248
Dept. of Defense [1]	Mil. sq. ft	11	7	13	14	14	14	14	13	15
Rental property, cost	Mil. dol	174	451	664	1,054	1,422	1,532	1,547	1,681	1,890
Dept. of Defense	Mil. dol	35	63	65	156	314	323	324	326	356

[1] Excludes data for Dept. of Defense military functions outside United States. [2] See headnote, table 523.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual, and *Inventory Report on Real Property Leased to the United States Throughout the World*, annual.

NO. 523. FEDERALLY OWNED LAND AND COST OF LAND, BY PREDOMINANT USAGE: 1965 TO 1987

[As of end of fiscal year; see text, section 9. Covers land in United States only (50 States and DC). Cost of land figures represent total cost of property owned in year shown and exclude unreserved public domain; public domain reserved for national parks, national forests, military installations and other purposes; and historical sites acquired by methods other than by purchase. Properties are reported at actual or estimated cost as of date of acquisition without considering depreciation, obsolescence, or economic changes in value. For data on Federal land by State, see table 335]

YEAR AND AGENCY	Total [1]	Forest and wildlife	Grazing	Parks and historic sites	Military, exc. airfields	Flood control, navigation	Reclamation, irrigation	Power development	Airfields
LAND (mil. acres)									
1965, total	765.6	508.4	165.2	22.8	15.7	6.7	7.8	1.9	2.0
1970, total	761.3	503.2	163.5	24.6	17.7	7.4	7.5	2.1	1.5
1975, total	760.4	502.3	164.0	25.3	18.1	8.0	7.0	1.5	2.3
1978, total	775.2	514.8	162.7	26.7	20.6	8.2	6.1	1.6	1.5
1979, total	769.9	472.1	162.5	68.5	18.0	8.3	6.0	1.5	1.5
1980, total	719.5	421.8	162.2	92.6	18.5	8.3	4.8	1.5	.4
1981, total	730.8	432.3	161.7	102.2	10.5	8.4	3.6	1.6	1.1
1982, total	729.8	433.3	161.8	100.6	10.6	8.5	3.7	1.5	.7
1983, total	732.0	434.0	162.1	95.6	16.9	8.3	3.8	1.5	1.5
1984, total	726.6	430.4	153.0	91.4	19.8	8.3	5.9	1.2	2.5
1985, total	727.4	430.6	154.7	94.0	26.0	5.8	5.3	1.0	2.4
1987, total	724.1	430.6	154.4	96.1	16.2	5.8	5.2	1.0	1.8
COST OF LAND (mil. dol.)									
1965	4,128	237	18	180	298	1,915	224	204	203
1970	5,475	350	26	373	331	2,591	312	251	162
1975	6,872	589	26	618	334	3,381	313	273	168
1978	8,762	789	27	1,047	477	3,914	580	298	133
1979	9,680	900	27	1,417	480	4,104	377	286	148
1980	9,982	975	28	1,560	502	4,331	365	304	183
1981	10,355	1,121	29	1,823	274	4,504	264	321	240
1982	10,777	1,211	29	1,907	286	4,696	280	316	194
1983	10,972	1,236	29	2,114	286	4,629	261	323	208
1984	12,324	1,223	26	2,799	349	4,615	439	306	327
1985	12,880	1,349	25	2,972	399	4,772	387	290	281
1987	12,120	1,471	26	1,944	327	4,934	398	290	212

[1] Includes other uses not shown separately.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

No. 524. Public Lands—Disposal Transactions and Cash Receipts: 1961 to 1987

[**For fiscal year ending in year shown;** see text, section 9. Period figures are totals, not annual averages. See also *Historical Statistics, Colonial Times to 1970,* series J 10–15 and J 26–32]

ITEM	Unit	1961–1987, total	1980	1981	1982	1983	1984	1985	1986	1987
Applications, entries, and selections allowed [1]	1,000 acres	[2] 184,905	1,167	1,311	10,390	5,350	1,835	1,404	4	1
Alaska	1,000 acres	[2] 181,305	1,160	1,277	10,299	5,148	1,601	1,131	-	-
Applications, entries, and selections approved [1]	1,000 acres	71,334	175	340	18,121	16,907	4,837	6,491	683	1,812
Alaska	1,000 acres	67,275	2	321	[3] 17,996	[3] 16,590	4,259	6,095	[4] 595	1,599
Patents and certificates [1]	1,000 acres	46,259	2,495	1,258	411	723	1,449	4,217	3,704	3,000
Alaska	1,000 acres	38,234	2,443	1,090	191	244	979	3,729	3,254	2,343
Homestead entries: [5]										
Allowed	Number	2,659	1	12	3	1	20	4	-	-
Acres	1,000	323	(Z)	1	(Z)	(Z)	2	1	-	-
Approved [6]	1,000 acres	237	1	2	2	1	3	2	-	-
Cash receipts	Mil. dol	97,194	5,079	11,279	7,880	11,680	7,914	6,939	5,864	5,014
Mineral leases [7]	Mil. dol	10,822	618	739	1,169	886	1,005	1,165	904	773
Outer Continental Shelf leases [7]	Mil. dol	81,205	4,101	10,138	6,250	10,492	6,694	5,542	4,716	4,021
Timber sales	Mil. dol	3,053	216	216	87	107	153	138	162	153
Public land, materials sales	Mil. dol	155	8	5	4	12	14	12	14	8
Fees and commissions	Mil. dol	293	29	44	4	2	2	2	2	2
Miscellaneous [8]	Mil. dol	1,653	108	138	386	181	46	75	66	57

- Represents zero. Z Less than 500 acres. [1] Covers homestead, desert land, and mineral entries, public auction sales, Indian and State selections; and other disposal transactions; excludes Indian fee and reissue trusts and corrective patents. [2] For years 1976–1980 includes entries under the Alaska Native Claims Act of Dec. 18, 1971. [3] Transfer of aggregate 31.8 million acres to the State of Alaska under the Alaska Statehood Act of July 7, 1958 and the Alaska National Interest Lands Conservation Act of December 2, 1980. [4] Administrative suspension of existing conveyance process to phase-in the new patent plan process. The acreages for the State of Alaska are more a function of administrative capacity to adjudicate the caseload rather than an indication of interest by applicants in making application, as is normally the case for other States. [5] Excludes ceded Indian lands. [6] Excludes commuted homesteads. [7] Source: Minerals Management Service, *Mineral Revenues,* annual through 1981; thereafter *Budget Revenue Records.* [8] Includes grazing revenues, rental of land, oil and gas pipeline right-of-way rentals (beginning fiscal year 1984), and other miscellaneous ravenue.

Source: Except as noted, U.S. Bureau of Land Management, *Public Land Statistics,* annual.

No. 525. Public Lands—Leases, Permits, and Licenses, by Class: 1960 to 1987

[**As of end of fiscal year except as noted;** see text, section 9. Excludes leases on acquired, submerged, and military lands. Excludes community pit and mineral material free use permits. See *Historical Statistics, Colonial Times to 1970,* series J 41–42, for oil and gas leases]

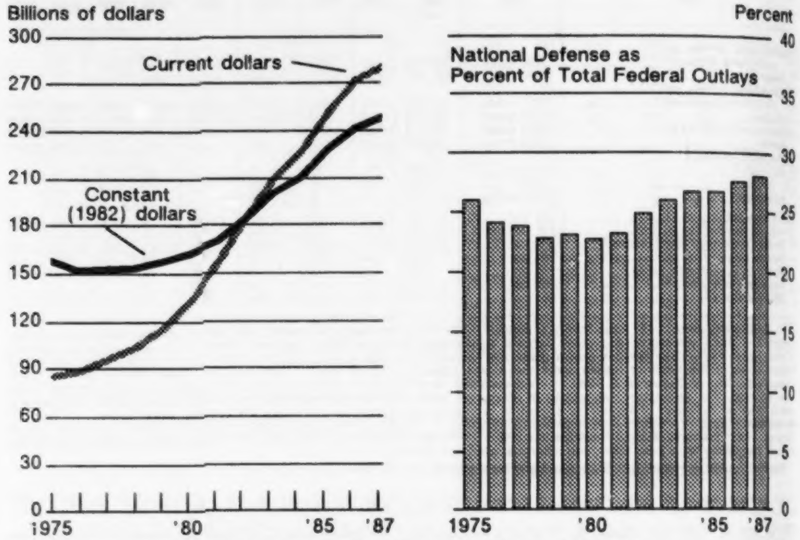
YEAR	MINERAL CLASS							GRAZING [4]	
	Total	Leases				Permits [3]	Licenses	Leases [5]	Permits [6]
		Total	Oil and gas [1]	Coal [2]	Other				
Number:									
1960	142,114	140,057	139,534	294	229	2,035	22	9,911	18,976
1965	101,663	101,086	100,339	379	368	763	14	8,912	18,712
1970	100,598	100,010	99,038	525	447	583	5	8,559	16,627
1975	104,075	103,762	102,815	529	418	309	4	7,785	15,480
1977	104,377	104,079	102,130	523	1,426	294	4	7,792	15,099
1978	105,284	105,088	102,984	524	1,580	183	13	9,884	14,925
1979	107,176	107,014	104,769	535	1,710	139	23	7,773	14,676
1980	106,125	105,363	103,571	522	1,870	132	30	7,700	14,741
1981	111,842	111,645	109,041	562	2,042	157	40	7,621	14,628
1982	118,589	118,365	115,389	607	2,369	149	75	7,837	12,956
1983	[7] 133,337	132,861	129,881	611	2,369	149	75	7,688	12,956
1984	[7] 118,254	117,849	115,382	450	2,017	348	57	7,550	13,053
1985	119,419	119,101	116,985	625	1,491	316	2	7,387	12,493
1986	105,513	105,226	102,885	605	1,736	246	41	7,218	12,394
1987	89,789	89,546	87,568	552	1,426	231	12	7,104	12,368
Acreage (1,000):									
1960	118,157	114,136	113,667	199	270	4,020	1	18,532	(NA)
1965	66,267	64,955	64,148	374	433	1,311	1	18,057	(NA)
1970	65,374	64,323	63,030	764	529	1,051	(Z)	18,262	(NA)
1975	82,618	81,885	80,621	780	485	733	(Z)	17,144	(NA)
1977	86,903	86,275	83,319	791	2,164	626	2	16,387	(NA)
1978	90,202	89,823	86,585	790	2,447	334	45	24,705	(NA)
1979	96,482	96,109	92,642	798	2,669	299	74	17,534	(NA)
1980	100,585	100,198	96,503	786	2,909	278	109	17,028	(NA)
1981	117,257	116,777	112,729	833	3,215	337	143	17,180	(NA)
1982	151,743	151,193	146,502	910	3,781	189	361	17,488	157,575
1983	[7] 163,330	162,506	157,814	911	3,781	189	361	16,866	157,575
1984	[7] 136,323	135,827	131,655	705	3,457	293	233	18,375	156,868
1985	124,463	124,095	120,687	934	2,474	356	12	16,492	148,967
1986	96,717	96,236	92,731	901	2,604	340	141	16,232	147,148
1987	74,350	74,058	71,203	807	2,048	286	6	16,160	146,298

NA Not available. Z Less than 500 acres. [1] For data on Outer Continental Shelf, see section 26. [2] Includes competitive, noncompetitive, preference right, and exchange leases beginning fiscal year 1985. [3] Does not include free-use permits for disposition of mineral materials (sand and gravel, top soil, quarry rock, etc.). [4] 1960–1977 as of Dec. 31. 1978–1982, as of Feb. 28 of following year. Beginning 1983, as of Sept. 30. [5] Lands outside grazing districts, which are owned, leased, or otherwise controlled by the United States and administered by the Bureau of Land Management and which are subject to leasing for grazing purposes. [6] Licenses and permits within grazing districts. [7] Includes miscellaneous nonenergy leases, permits, and licenses on acquired, military, and other Federal lands not separable by type.

Source: U.S. Bureau of Land Management, *Public Land Statistics,* annual.

Figure 11.1

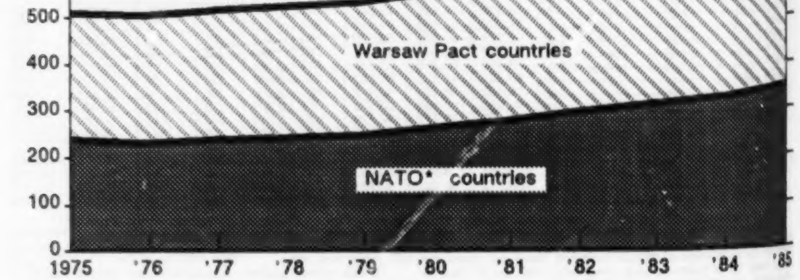
Federal Budget Outlays for National Defense: 1975 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 526.

Figure 11.2

World Military Expenditures: 1975 to 1985



* North Atlantic Treaty Organization.

Source: Chart prepared by U.S. Bureau of the Census. For data see table 533.

Section 11

National Defense and Veterans Affairs

This section presents data on national defense and its human and financial costs; active and reserve military personnel; ships, equipment and aircraft; and federally sponsored programs and benefits for veterans. The principal sources of these data are the annual *Selected Manpower Statistics* and the *Atlas/Data Abstract for the United States and Selected Areas* issued by the Office of the Secretary of Defense; *Annual Report of Administrator of Veterans Affairs,* Veterans Administration, and *The Budget of the United States Government,* Office of Management and Budget. For more data on expenditures, personnel, and ships, see section 31.

Department of Defense (DOD).—The Department of Defense is responsible for providing the military forces of the United States. It includes the Office of the Secretary of Defense, the Organization of the Joint Chiefs of Staff, the Army, Navy, Air Force, and the defense agencies. The President serves as Commander in Chief of the Armed Forces; from him, the authority flows to the Secretary of Defense and through the Joint Chiefs of Staff to the commanders of unified and specified commands (e.g., Strategic Air Command).

Reserve components.—Reserve personnel of the Armed Forces consist of the Army National Guard, Army Reserve, Naval Reserve, Marine Corps Reserve, Air National Guard, Air Force Reserve, and Coast Guard Reserve. They provide trained personnel available for active duty in the Armed Forces in time of war or national emergency and at such other times as authorized by law.

The National Guard has dual Federal-State responsibilities and uses jointly provided equipment, facilities, and budget support. In peacetime, the National Guard is State-administered, and trained under the authority of the State Governors. The President is empowered to mobilize the National Guard and to use such of the Armed Forces as he considers necessary to enforce Federal authority in any State.

The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives explicit approval. The retired reserve represents a low potential for mobilization.

Veterans Administration.—The Veterans Administration (VA) administers laws authorizing benefits for eligible former and present members of the Armed Forces, and for the beneficiaries of deceased members. Veterans benefits available under various acts of Congress include: Compensation for service-connected disability or death; pensions for nonservice-connected disability or death; vocational rehabilitation, education, and training; home loan insurance; life insurance; health care; special housing and automobiles or other conveyances for certain disabled veterans; burial and plot allowances; and educational assistance to families of deceased or totally disabled veterans, servicemen missing in action, or prisoners of war. Since these benefits are legislated by Congress, the dates they were enacted and the dates they apply to veterans may be different from the actual dates the conflicts occurred.

VA estimates of veterans cover all persons with active duty service during periods of war or armed conflict and until 1982 include those living outside the United States. Veteran population estimates for September 1982 are for the 50 States, the District of Columbia and Puerto Rico. Veterans whose active duty service was entirely during periods of peacetime are eligible for some veterans benefits and, where appropriate, are included in VA estimates.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

No. 526. National Defense Outlays and Veterans Benefits: 1960 to 1988

[For fiscal year ending in year shown; see text, section 9. Includes outlays of Department of Defense, Veterans Administration, and other agencies for activities primarily related to national defense and veterans programs. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (–) indicates decline. See *Historical Statistics, Colonial Times to 1970*, series Y 472–473 and Y 476, for related data]

YEAR	NATIONAL DEFENSE AND VETERANS OUTLAYS: Total outlays (bil. dol.)	NATIONAL DEFENSE AND VETERANS OUTLAYS: Defense outlays: Current dollars (bil. dol.)	NATIONAL DEFENSE AND VETERANS OUTLAYS: Defense outlays: Constant (1982) dollars (bil. dol.)	NATIONAL DEFENSE AND VETERANS OUTLAYS: Veterans outlays (bil. dol.)	ANNUAL PERCENT CHANGE [1]: Total outlays	ANNUAL PERCENT CHANGE [1]: Defense outlays: Current dollars	ANNUAL PERCENT CHANGE [1]: Defense outlays: Constant (1982) dollars	ANNUAL PERCENT CHANGE [1]: Veterans outlays	DEFENSE OUTLAYS, PERCENT OF—: Federal outlays	DEFENSE OUTLAYS, PERCENT OF—: Gross national product [2]
1960	53.5	48.1	192.1	5.4	2.5	2.4	–1.9	3.1	52.2	9.5
1962	58.0	52.3	202.2	5.6	4.0	4.3	2.6	1.7	49.0	9.4
1963	58.9	53.4	197.1	5.5	1.6	2.0	–2.5	–1.9	48.0	9.1
1964	60.4	54.8	198.8	5.7	2.6	2.5	.9	2.9	46.2	8.7
1965	56.3	50.6	181.4	5.7	–6.8	–7.6	–8.8	.7	42.8	7.5
1966	64.0	58.1	197.9	5.9	13.7	14.8	9.1	3.5	43.2	7.9
1967	78.2	71.4	235.1	6.7	22.1	22.9	18.8	13.8	45.4	9.0
1968	89.0	81.9	254.8	7.0	13.8	14.7	8.4	4.4	46.0	9.6
1969	90.1	82.5	243.4	7.6	1.3	.7	–4.5	8.5	44.9	8.9
1970	90.4	81.7	225.6	8.7	.3	–1.0	–7.3	13.6	41.8	8.3
1971	88.7	78.9	202.7	9.8	–1.9	–3.5	–10.2	12.7	37.5	7.5
1972	89.9	79.2	190.9	10.7	1.4	.4	–5.8	9.8	34.3	6.9
1973	88.7	76.7	175.1	12.0	1.3	–3.1	–8.3	12.0	31.2	6.0
1974	92.7	79.3	163.3	13.4	4.6	3.5	–6.7	11.4	29.5	5.8
1975	103.1	86.5	158.8	16.6	11.2	9.0	–2.1	24.0	26.0	5.7
1976	108.1	89.6	153.6	18.4	4.8	3.6	–3.9	11.0	24.1	5.3
1976, TQ [3]	26.2	22.3	37.1	4.0	(X)	(X)	(X)	(X)	23.2	5.0
1977	115.3	97.2	154.3	18.0	6.7	8.5	.5	–2.1	23.8	5.0
1978	123.5	104.5	155.0	19.0	7.1	7.5	.5	5.2	22.8	4.8
1979	136.3	116.3	159.1	19.9	10.4	11.3	2.6	5.0	23.1	4.8
1980	155.2	134.0	164.0	21.2	13.9	15.2	3.1	6.3	22.7	5.0
1981	180.5	157.5	171.4	23.0	16.3	17.6	4.5	8.5	23.2	5.3
1982	209.3	185.3	185.3	24.0	15.9	17.6	8.1	4.2	24.9	5.9
1983	234.7	209.9	201.3	24.8	12.2	13.3	8.6	3.7	26.0	6.3
1984	253.0	227.4	211.3	25.6	7.8	8.3	5.0	3.1	26.7	6.2
1985	279.0	252.7	229.4	26.3	10.3	11.1	8.6	2.6	26.7	6.4
1986	299.7	273.4	243.0	26.4	7.4	8.2	5.9	.2	27.6	6.5
1987	308.8	282.0	249.8	26.8	3.0	3.2	2.8	1.6	28.1	6.4
1988, est	313.2	285.4	243.5	27.7	1.4	1.2	–2.5	3.6	27.0	6.1

X Not applicable. [1] Change from prior year shown; for 1960, change from 1955. [2] Represents fiscal year GNP; for definition, see text, section 14. [3] Transition quarter, July–Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1989.*

No. 527. Federal Budget Outlays for National Defense Functions: 1970 to 1988

[In billions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Minus sign (–) indicates decline. See *Historical Statistics, Colonial Times to 1970*, series Y 473, for total]

DEFENSE FUNCTION	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total	**81.7**	**86.5**	**104.5**	**116.3**	**134.0**	**157.5**	**185.3**	**209.9**	**227.4**	**252.7**	**273.4**	**282.0**	**285.4**
Annual percent change [1]	10.1	9.0	7.5	11.3	15.2	17.6	17.6	13.3	8.3	11.1	8.2	3.2	1.2
Defense Dept., military	80.1	84.9	102.3	113.6	130.9	153.8	180.7	204.4	220.9	245.1	265.5	274.0	277.3
Military personnel	29.0	32.2	35.6	37.3	40.9	47.9	55.2	60.9	64.2	67.8	71.5	72.0	75.5
Percent of military	36.2	37.9	34.8	32.9	31.2	31.2	30.5	29.8	29.0	27.7	26.9	26.3	27.2
Operation, maintenance	21.6	26.3	33.6	36.4	44.8	51.9	59.7	64.9	67.4	72.3	75.3	76.2	80.4
Procurement	21.6	16.0	20.0	25.4	29.0	35.2	43.3	53.6	61.9	70.4	76.5	80.7	79.2
Research and development	7.2	8.9	10.5	11.2	13.1	15.3	17.7	20.6	23.1	27.1	32.3	33.6	33.1
Military construction	1.2	1.5	1.9	2.1	2.5	2.5	2.9	3.5	3.7	4.3	5.1	5.9	5.4
Family housing	.6	1.1	1.4	1.5	1.7	1.7	2.0	2.1	2.4	2.6	2.8	2.9	3.0
Other [2]	–1.1	–1.1	–.7	–.3	–1.1	–.6	–.1	–1.2	–1.7	.6	2.0	2.6	.7
Atomic energy activities [3]	1.4	1.5	2.1	2.5	2.9	3.4	4.3	5.2	6.1	7.1	7.4	7.5	7.8
Defense-related activities [4]	.2	.2	.2	.2	.2	.3	.3	.3	.4	.5	.5	.6	.5

[1] Change from immediate prior year; for 1970, change from 1965. [2] Revolving and management funds, trust funds, special foreign currency program, allowances, and offsetting receipts. [3] Defense activities only. [4] Includes civil defense activities.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1989.*

NO. 528. NATIONAL DEFENSE—FUNDS AVAILABLE AND OUTLAYS: 1975 TO 1988

[In billions of dollars, except percent. For fiscal year ending in year shown, except as noted; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 458–460 for outlays]

ITEM	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Funds available	**102.7**	**137.3**	**147.9**	**167.1**	**204.7**	**243.5**	**280.1**	**309.2**	**346.9**	**351.2**	**347.9**	**339.5**
Budget authority [1]	87.6	117.2	126.5	143.9	180.0	216.5	245.0	265.2	294.7	289.1	287.4	291.4
Department of Defense-Military [2]	85.8	114.5	123.6	140.6	176.1	211.5	238.9	258.2	286.8	281.4	279.5	283.2
Atomic energy and other defense-related activities [1]	1.8	2.7	2.9	3.2	3.9	5.1	6.2	7.0	7.9	7.7	8.0	8.3
Unobligated balances [1] [3]	15.1	20.1	21.4	23.3	24.7	27.0	35.1	44.0	52.2	62.1	60.4	48.1
Department of Defense-Military	15.1	20.0	21.3	23.0	24.2	26.5	34.6	43.4	51.6	61.5	60.0	47.6
Atomic energy and other defense-related activities [1]	(NA)	.1	.1	.3	.5	.5	.5	.6	.6	.6	.4	.5
Outlays (Defense) [1]	**86.5**	**104.5**	**116.3**	**134.0**	**157.5**	**185.3**	**209.9**	**227.4**	**252.7**	**273.4**	**282.0**	**285.4**
Percent of funds available	84.2	76.1	78.7	80.2	76.9	76.1	74.9	73.6	72.9	77.8	81.1	84.1
Department of Defense-Military	84.9	102.3	113.6	130.9	153.8	180.7	204.4	220.9	245.1	265.5	274.0	277.3
Atomic energy and other defense-related activities [1]	1.7	2.2	2.8	3.1	3.7	4.6	5.5	6.5	7.6	7.9	8.0	8.1

NA Not available [1] Includes defense budget authority, balances, and outlays by other departments. [2] Excluding accruals. [3] Start of year.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

NO. 529. NATIONAL DEFENSE—MILITARY BUDGET AUTHORITY BY MAJOR MISSION: 1975 TO 1988

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Detail may not add to total because of revisions to total and not to detail]

MISSION	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total	**87.6**	**143.9**	**180.0**	**216.5**	**245.0**	**265.2**	**294.7**	**289.1**	**287.4**	**291.4**
General purpose	28.1	52.2	68.8	88.1	98.8	100.7	118.4	116.2	114.9	110.7
Training, medical	20.0	29.2	35.3	39.6	42.2	43.3	33.6	33.6	35.5	35.9
Research and development	7.7	11.9	14.2	16.9	18.7	21.5	24.4	25.7	27.5	32.5
Intelligence and communications	6.3	9.1	11.2	13.9	17.3	20.0	25.1	26.4	27.7	28.0
Strategic forces	7.2	11.1	12.7	15.3	19.7	26.1	27.4	24.2	21.1	21.0
Central supply and maintenance	9.1	16.0	19.1	21.1	21.6	23.4	26.7	24.4	22.7	24.1
Guard and reserve	4.8	7.9	9.9	10.6	12.1	12.2	15.8	15.6	15.7	16.2
Airlift and sealift	.9	2.1	2.9	4.0	4.3	5.5	8.7	7.6	7.1	5.6
Admin. and assoc. activities	2.0	2.5	3.4	3.6	4.1	4.8	6.1	7.1	6.6	5.8
Support of other nations	1.8	.6	.9	.9	.7	.7	.6	.5	.7	.8
PERCENT DISTRIBUTION										
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
General purpose	32.0	36.6	38.6	41.2	41.3	39.0	41.3	41.3	41.1	39.1
Training, medical	22.8	20.5	19.8	18.5	17.6	16.8	11.7	11.9	12.7	12.7
Research and development	8.8	8.3	8.0	7.9	7.8	8.3	8.5	9.1	9.8	11.5
Intelligence and communications	7.2	6.4	6.3	6.5	7.2	7.7	8.8	9.4	9.9	10.0
Strategic forces	8.2	7.8	7.1	7.2	8.2	10.1	9.6	8.6	7.5	7.4
Central supply and maintenance	10.4	11.2	10.7	9.9	9.0	9.1	9.3	8.7	8.1	8.5
Guard and reserve	5.5	5.5	5.5	5.0	5.1	4.7	5.5	5.5	5.6	5.7
Airlift and sealift	1.0	1.5	1.6	1.9	1.8	2.1	3.0	2.7	2.5	2.0
Admin. and assoc. activities	2.3	1.8	1.9	1.7	1.7	1.9	2.1	2.5	2.4	2.0
Support of other nations	2.0	.4	.5	.4	.3	.3	.2	.2	.3	.3

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

NO. 530. FEDERAL RESEARCH AND DEVELOPMENT FUNDING FOR NATIONAL DEFENSE: 1980 TO 1988

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Represents budget authority data]

DEFENSE PROGRAMS	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total [1]	**14.9**	**18.4**	**22.1**	**24.9**	**29.3**	**33.7**	**36.9**	**39.2**	**40.3**
Department of Defense (DOD)-Military	13.8	17.1	20.5	23.3	27.3	31.4	34.7	36.8	37.9
Research, development, test and evaluation	13.3	16.5	19.9	22.6	26.6	30.9	33.7	35.9	37.3
Tactical programs	5.2	6.1	6.9	7.3	7.9	9.1	10.3	11.0	12.2
Strategic programs	2.2	3.4	4.6	5.8	7.9	8.2	7.5	7.7	7.4
Intelligence and communications	1.2	1.6	2.2	2.7	3.4	4.0	4.5	4.7	4.9
Advanced technology development	.6	.6	.8	.8	1.4	2.8	4.1	5.0	5.4
Defensewide mission support	1.9	2.1	2.5	2.8	3.0	3.8	4.1	4.2	4.1
Technology base	2.3	2.6	2.9	3.2	3.1	3.1	3.2	3.2	3.3
Other DOD military	.5	.6	.6	.7	.7	.6	1.0	.9	.6
Atomic energy defense activities (DOE) [1] [2]	1.1	1.3	1.5	1.6	1.9	2.3	2.3	2.3	2.4
Weapons research, development, and testing	.6	.8	.9	.9	1.3	1.5	1.5	1.5	1.6
Naval reactors development	.2	.3	.3	.3	.4	.4	.5	.5	.5

[1] Includes other programs not shown separately. [2] Department of Energy.

Source: U.S. National Science Foundation, *Federal R&D Funding by Budget Function*, annual.

No. 531. Military Prime Contract Awards to All Businesses, by Program: 1980 to 1987

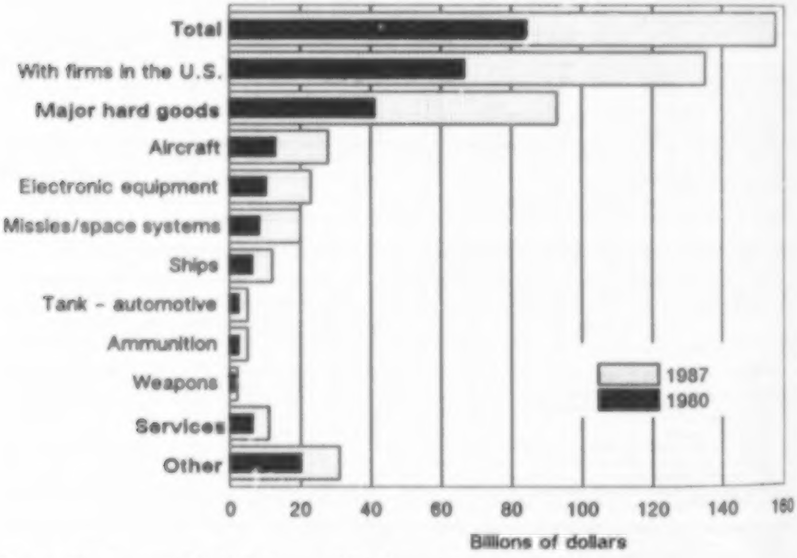
[In billions of dollars. Net values for fiscal year ending in year shown; see text, section 9. Includes all new prime contracts; debit or credit changes in contracts are also included. Actions cover official awards, amendments, or other changes in prime contracts to obtain military supplies, services, or construction. Excludes term contracts and contracts which do not obligate a firm total dollar amount or fixed quantity, but includes job orders, task orders, and delivery orders against such contracts]

DOD PROCUREMENT PROGRAM	1980	1981	1982	1983	1984	1985	1986	1987			
								Total	Percent small business [1]	Percent women owned	Small disadvantaged businesses
Total	83.7	105.2	124.7	140.5	146.0	163.7	158.8	156.5	(NA)	(NA)	(NA)
Intragovernmental [2]	10.2	9.6	12.8	9.9	10.1	12.4	9.9	8.8	(NA)	(NA)	(NA)
For work outside the U.S.	5.4	6.6	7.5	7.2	8.3	8.6	9.1	8.9	(NA)	(NA)	(NA)
Educational and non-profit institutions	1.5	1.7	2.0	2.2	2.7	3.1	3.4	3.5	(NA)	(NA)	(NA)
With business firms for work in the United States [3]	66.7	87.2	102.5	121.1	124.9	139.6	136.5	135.3	19.7	.8	2.1
Major hard goods	41.0	53.3	67.9	80.8	86.3	98.1	92.8	93.0	7.7	.3	1.0
Aircraft	12.5	16.5	21.1	28.3	29.2	34.6	32.3	27.7	4.7	.2	.5
Electronics and communication equipment	9.6	11.7	14.2	16.7	19.7	22.0	19.7	22.8	9.4	.3	1.9
Missiles and space systems	7.9	10.2	12.7	14.7	16.7	18.7	19.4	19.8	3.9	.2	.7
Ships	6.0	7.4	9.6	12.8	9.4	10.4	9.4	11.5	12.9	.3	1.0
Tank-automotive	2.1	3.8	4.4	4.7	5.0	6.2	5.2	4.9	14.8	.5	.6
Ammunition	1.9	2.1	3.6	3.2	4.0	4.7	4.5	4.6	9.6	.7	.7
Weapons	1.1	1.5	2.3	2.4	2.4	2.8	2.3	2.1	15.7	.6	1.4
Services	5.9	5.8	7.9	10.4	8.5	9.1	10.4	11.0	31.4	2.2	9.1
All other	19.8	28.0	26.7	29.9	30.1	32.3	33.2	31.3	51.2	2.0	4.5

NA Not available. [1] Covers firms not dominant in their fields of operation and employing fewer than 1,000, 750, or 500 persons, depending on industry classifications. For certain types of firms, other criteria are used, such as yearly gross sales.
[2] Covers only purchases from other Federal agencies and reimbursable purchases on behalf of foreign governments.
[3] Includes Department of Defense contracts awarded for work in U.S. possessions, Commonwealth of Puerto Rico, Trust Territories of the Pacific, and other areas subject to complete sovereignty of U.S.; contracts in a classified location; and any intragovernmental contracts entered into overseas.

Source: U.S. Dept. of Defense, *Prime Contract Awards*, semiannual.

Figure 11.3
Military Contract Awards: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 531.

No. 532. Department of Defense Contract Awards, Payroll, Civilian and Military Personnel—States: 1985 to 1987

[For years ending Sept. 30. Contracts refer to awards made in year specified; expenditures relating to awards may extend over several years. Payroll estimates cover active duty military and direct hire civilian personnel, including Army Corps of Engineers. Civilian employees represent direct hire civilian employees; excluded are those who are not subject to Office of Management and Budget ceiling controls, such as summer aides. Military personnel in each department include a number of personnel in a transient status. These personnel are in a travel, proceed, leave enroute, or temporary duty status while on permanent change of station (PCS) orders. The Navy and Air Force report these personnel at their location prior to their arrival at their new permanent duty location. The Army includes these personnel in one category entitled "Undistributed," which also includes personnel for which an exact location is undetermined]

STATE	CONTRACT AWARDS [1] (mil. dol.)			PAYROLL (mil. dol.)			CIVILIAN EMPLOYEES (1,000)			MILITARY PERSONNEL (1,000)		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
U.S., total	**140,096**	**136,026**	**133,262**	**54,633**	**59,456**	**60,331**	**[2] 976.2**	**[2] 983.6**	**979.3**	**[3] 1,366.9**	**[3] 1,427.6**	**1,377.4**
AL	1,418	1,604	1,661	1,220	1,362	1,301	27.3	26.8	27.4	23.1	23.3	23.8
AK	550	565	555	530	541	604	5.0	5.0	5.5	20.4	21.0	22.1
AZ	2,006	2,632	3,211	654	754	793	10.4	10.6	10.7	20.7	25.6	24.9
AR	810	887	738	297	362	322	4.8	4.9	5.0	9.7	9.9	9.8
CA	29,115	27,738	24,515	8,910	9,475	9,566	137.9	135.2	137.7	204.8	209.0	206.5
CO	1,563	1,807	2,716	975	1,091	1,090	14.1	14.1	14.5	38.9	43.0	42.7
CT	5,543	5,441	5,031	382	414	419	5.0	5.0	4.9	6.6	7.2	7.2
DE	261	224	198	124	129	132	1.8	1.8	1.9	4.7	4.8	4.8
DC	1,104	967	1,272	842	923	924	16.9	16.8	17.2	12.7	13.1	13.0
FL	5,271	5,684	5,797	2,637	2,867	3,623	33.0	32.0	33.3	73.1	74.7	75.7
GA	3,520	3,784	3,512	2,015	2,186	2,245	40.4	39.9	40.2	64.4	63.6	62.9
HI	626	563	461	1,750	1,775	1,757	21.3	20.8	20.7	47.0	44.2	45.4
ID	50	63	74	126	142	140	1.3	1.3	1.4	5.6	5.8	5.9
IL	1,683	1,735	1,924	1,317	1,621	1,340	22.7	22.1	22.1	40.9	42.1	37.3
IN	3,177	2,490	2,231	504	544	565	15.4	15.2	15.2	6.8	6.9	6.5
IA	590	580	600	46	64	54	1.5	1.5	1.5	.4	.4	.4
KS	2,139	1,955	1,245	569	637	691	7.0	7.1	7.3	23.6	22.5	23.1
KY	506	557	432	967	1,046	1,083	14.8	14.2	14.3	40.8	38.9	39.2
LA	2,175	1,496	1,685	632	757	730	9.3	9.3	9.1	25.7	25.4	25.2
ME	957	584	830	249	432	433	10.6	10.1	10.6	5.4	5.9	5.8
MD	4,606	4,537	4,752	1,906	2,036	2,103	43.3	42.3	43.5	35.7	36.3	35.7
MA	7,714	8,735	8,685	517	543	541	12.3	12.2	12.1	9.4	9.2	9.4
MI	2,789	2,353	1,866	540	556	550	12.2	12.7	12.9	8.8	8.9	9.3
MN	2,296	2,355	2,426	98	132	102	2.8	2.9	2.9	.9	.9	.9
MS	1,310	1,634	1,474	651	847	690	11.6	11.3	11.5	16.0	18.0	17.5
MO	7,613	5,546	5,997	786	924	862	21.0	21.0	20.9	16.1	15.5	15.7
MT	102	62	93	97	108	105	1.2	1.3	1.3	3.7	3.9	4.0
NE	193	226	257	379	408	411	3.8	4.0	4.0	12.8	13.2	13.5
NV	126	141	232	227	231	244	2.1	2.0	2.2	9.7	10.0	10.0
NH	676	471	469	290	157	133	1.8	1.6	1.5	4.1	4.0	4.1
NJ	3,862	3,226	3,283	1,104	1,072	1,185	29.0	27.6	28.7	19.0	20.5	19.7
NM	492	565	594	566	629	635	9.8	9.9	10.1	16.4	16.8	16.6
NY	10,033	9,906	9,625	850	956	993	18.8	19.7	19.5	22.0	22.7	27.0
NC	1,029	1,049	1,243	2,187	2,179	2,311	16.3	16.1	16.2	98.7	96.1	94.8
ND	207	229	158	238	250	246	1.8	1.8	1.9	11.3	11.1	11.2
OH	4,848	5,201	4,550	1,253	1,301	1,292	34.3	34.4	34.1	13.8	11.7	11.8
OK	602	775	606	1,165	1,308	1,305	26.8	27.3	26.1	31.1	30.7	30.8
OR	256	340	287	112	219	118	3.1	3.1	3.2	.8	.8	.8
PA	4,149	4,192	3,845	1,567	1,703	1,694	55.7	53.4	57.3	6.7	6.6	6.6
RI	431	384	478	247	287	269	4.7	4.5	4.6	4.0	4.1	3.9
SC	490	521	571	1,503	1,678	1,690	20.5	20.2	20.7	44.4	47.0	44.6
SD	78	128	58	128	157	164	1.4	1.4	1.5	5.9	6.1	6.7
TN	793	1,157	986	370	456	389	7.3	7.5	7.7	11.0	10.4	10.5
TX	10,562	10,940	8,654	3,958	4,147	4,381	66.6	63.6	67.0	127.2	135.3	135.1
UT	789	714	1,183	701	736	721	23.6	23.3	22.3	6.2	6.0	6.0
VT	163	124	113	17	20	19	.6	.6	.6	.1	.1	.1
VA	6,167	5,402	7,807	6,405	6,993	7,216	107.2	106.1	108.6	96.6	98.3	100.0
WA	3,559	2,525	3,112	1,698	1,855	1,860	29.5	28.5	29.8	43.7	42.3	43.3
WV	90	105	150	51	97	58	1.6	1.6	1.6	.4	.4	.4
WI	1,085	981	951	98	120	107	3.2	3.3	3.3	.9	.9	.9
WY	125	92	47	92	102	103	1.1	1.1	1.2	3.7	4.1	4.1

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[1] Military awards for supplies, services, and construction. Net value of contracts of over $25,000 for work in each State and DC. Figures reflect impact of prime contracting on State distribution of defense work. Often the State in which a prime contractor is located is not the State in which the subcontracted work is done. See also headnote, table 531. [2] Includes undistributed civilians. [3] Includes undistributed military personnel.

Source: U.S. Dept. of Defense, *Prime Contract Awards by State*, annual, *Distribution of Personnel by State—by Selected Locations*, annual; and *Atlas/Data Abstract for the United States and Selected Areas*, annual.

No. 533. Worldwide Military Expenditures: 1975 to 1985

[For military expenditures and Armed Forces by country, see section 31. GNP - Gross national product]

COUNTRY GROUP	MILITARY EXPENDITURES (bil. dol.)											PER CAPITA (dol.)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1980	1985
CURRENT DOLLARS													
Worldwide, total [1]	**363.4**	**389.2**	**420.8**	**461.5**	**509.8**	**578.3**	**654.6**	**730.9**	**780.6**	**827.5**	**880.2**	**130**	**181**
United States	91.0	91.0	100.9	109.2	122.3	144.0	169.9	196.4	217.2	237.1	265.8	632	1,111
Percent of total	25.0	23.4	24.0	23.7	24.0	24.9	26.0	26.9	27.8	28.7	30.2	(X)	(X)
Developed countries [2]	289.2	305.1	332.9	363.2	402.6	458.2	516.0	572.6	615.9	657.9	706.9	422	629
Developing countries [2]	74.2	84.1	87.9	98.3	107.2	120.1	138.6	158.3	164.7	169.6	173.3	36	46
NATO countries [3]	133.1	137.0	151.0	164.4	183.0	212.3	246.1	280.0	306.3	331.0	364.7	367	609
Warsaw Pact countries	150.0	161.1	174.1	189.6	208.7	232.9	256.1	277.8	292.3	300.7	322.5	620	826
Soviet Union	128.0	138.0	149.0	163.0	180.0	201.0	221.0	237.0	250.0	264.0	275.0	756	986
CONSTANT (1984) DOLLARS													
Worldwide, total [1]	**660.2**	**664.9**	**673.9**	**688.4**	**699.0**	**726.8**	**750.5**	**787.4**	**809.7**	**827.5**	**853.0**	**163**	**175**
United States	166.2	155.5	161.6	163.0	167.7	181.0	194.8	211.6	225.3	237.1	257.6	786	1,076
Percent of total	25.0	23.4	24.0	23.7	24.0	24.9	26.0	26.9	27.8	28.7	30.2	(X)	(X)
Developed countries [2]	525.4	521.2	533.1	541.8	562.0	575.9	591.6	616.9	638.9	657.9	685.1	531	610
Developing countries [2]	134.8	143.7	140.8	146.6	146.9	150.9	158.9	170.6	170.8	169.6	167.9	45	45
NATO countries [3]	241.8	234.0	241.8	245.3	250.9	266.8	282.2	301.6	317.7	331.0	353.4	461	589
Warsaw Pact countries	272.5	275.2	278.8	282.9	286.1	292.7	293.6	299.3	303.2	308.7	312.5	779	800
Soviet Union	232.5	235.7	238.6	243.2	246.8	252.6	253.4	256.3	259.3	264.0	266.5	948	956
PERCENT OF GNP													
Worldwide, total	**6.2**	**6.0**	**5.8**	**5.7**	**5.6**	**5.7**	**5.8**	**6.1**	**6.2**	**6.0**	**6.1**	(X)	(X)
United States	5.7	5.1	5.1	4.9	4.9	5.3	5.6	6.2	6.4	6.3	6.6	(X)	(X)
Developed countries [2]	6.1	5.8	5.7	5.6	5.5	5.7	5.8	6.0	6.1	6.0	6.1	(X)	(X)
Developing countries [2]	6.9	6.9	6.4	6.4	6.1	5.9	6.1	6.5	6.5	6.2	6.0	(X)	(X)
NATO countries [3]	4.8	4.4	4.4	4.3	4.2	4.5	4.7	5.1	5.2	5.2	5.4	(X)	(X)
Warsaw Pact countries [4]	11.4	11.1	10.9	10.7	10.8	10.9	10.8	10.8	10.7	10.7	10.7	(X)	(X)
Soviet Union [4]	13.7	13.3	13.0	12.8	12.9	13.0	12.9	12.7	12.6	12.6	12.5	(X)	(X)

X Not applicable. [1] Includes countries not shown separately. [2] Twenty-eight developed countries; see table 534 for selected countries; for complete list see source. [3] North Atlantic Treaty Organization. [4] The meaning of the ratio of military expenditures to GNP differs somewhat between most Communist countries and non-Communist countries because of different estimating procedures. For details, see source.

No. 534. Arms Trade in Constant (1984) Dollars—Selected Countries: 1984 to 1986

[In millions of dollars, except percent]

COUNTRY	1984	1985	1986	
			Total	Arms imports as percent of total imports
Arms trade, world total [1]	**50,080**	**42,030**	**34,820**	1.7
EXPORTERS				
Canada	190	184	113	.1
China: Mainland	2,000	556	1,036	.4
Czechoslovakia	900	1,355	1,036	2.1
France	4,100	4,451	3,579	.1
Poland	975	1,064	1,036	3.1
Soviet Union	18,000	14,800	16,950	1.2
United Kingdom	1,500	798	669	.5
United States	10,600	11,800	7,157	.1
West Germany	2,800	605	386	.1
IMPORTERS				
Developed [1]	**9,140**	**10,290**	**6,959**	.4
Australia	575	895	753	3.1
Canada	300	87	113	.1
Czechoslovakia	560	981	433	2.1
East Germany	725	798	494	1.9
Hungary	200	66	94	.6
Italy	210	223	180	.2
Japan	850	969	636	.5
Poland	320	677	612	3.1
Romania	90	29	301	3.0
Soviet Union	1,200	1,064	1,036	1.2
United Kingdom	850	663	541	.5
United States	470	581	424	.1
West Germany	500	1,646	246	.1

COUNTRY	1984	1985	1986	
			Total	Arms imports as percent of total imports
RECIPIENT COUNTRIES				
Developing [1]	**40,940**	**31,740**	**27,880**	6.1
Afghanistan	650	506	565	(NA)
Algeria	775	445	541	6.8
Angola	1,500	750	1,130	86.7
Argentina	450	174	28	.6
Cuba	1,400	2,032	1,413	15.6
Egypt	1,600	1,356	777	8.2
El Salvador	80	87	75	(NA)
Ethiopia	1,200	774	292	29.9
Greece	280	261	104	1.0
India	1,100	2,225	2,637	18.3
Iran	2,400	1,645	1,695	17.4
Iraq	9,500	3,870	4,614	52.7
Israel	775	968	424	4.2
Jordan	230	605	311	13.6
Kuwait	450	290	122	2.2
Libya	2,000	1,548	1,130	25.9
Morocco	210	106	75	2.1
Nicaragua	360	261	541	68.5
North Korea	120	348	386	(NA)
Oman	310	97	9	(NA)
Pakistan	575	484	273	5.4
Peru	130	66	141	5.3
Saudi Arabia	3,100	3,560	2,731	(NA)
South Korea	430	416	471	1.5
Spain	140	145	179	.5
Syria	2,100	1,451	1,036	(NA)
Turkey	480	406	585	5.4
Venezuela	370	474	75	.8
Vietnam	1,300	1,064	1,507	(NA)
Yemen (Sanaa)	80	213	226	(NA)

NA Not available. [1] Includes countries not shown separately.

Source of tables 533 and 534: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

No. 535. Arms Transfers–Cumulative Value for Period 1982–1986, by Major Supplier and Recipient Country

[In millions of dollars]

RECIPIENT	Total [1]	SUPPLIER							
		Soviet Union	United States	France	United Kingdom	West Germany	China: Mainland	Poland	Czechoslovakia
World, total [1]	**224,425**	**67,370**	**51,480**	**20,440**	**6,875**	**6,545**	**6,450**	**5,080**	**4,770**
NATO	22,900	90	16,945	260	1,405	1,990	-	-	5
Warsaw Pact	16,155	10,860	-	10	5	20	10	3,470	1,820
OPEC	77,620	23,750	7,620	13,785	2,385	1,225	4,625	685	1,830
Africa [1]	**31,290**	**19,030**	**1,440**	**2,280**	**705**	**325**	**525**	**150**	**1,460**
Algeria	3,730	3,100	220	100	160	60	-	-	10
Angola	5,345	4,900	-	50	-	-	-	10	5
Ethiopia	3,930	3,800	-	-	-	-	-	-	20
Libya	10,160	4,800	-	625	5	70	320	140	1,400
Morocco	1,000	-	260	440	-	-	-	-	-
Mozambique	1,340	1,300	-	-	-	-	-	-	-
Nigeria	1,705	90	140	200	360	60	-	-	10
Sudan	470	-	160	30	10	40	70	-	-
East Asia [1]	**23,730**	**9,670**	**10,410**	**285**	**350**	**325**	**285**	**270**	-
China: Mainland	705	310	60	60	100	5	-	-	-
Taiwan	2,500	-	2,200	10	-	-	-	-	-
North Korea	1,410	850	-	20	-	-	250	140	-
Malaysia	1,300	-	320	30	30	200	-	-	-
South Korea	2,160	-	2,100	10	10	-	-	-	-
Thailand	1,040	-	725	5	10	10	30	-	-
Vietnam	6,935	6,800	-	-	-	-	-	130	-
South Asia [1]	**14,370**	**9,350**	**1,495**	**1,535**	**565**	**135**	**380**	**220**	**100**
Afghanistan	2,580	2,500	-	-	-	-	-	-	50
India	9,275	6,800	90	1,300	525	130	-	220	30
Pakistan	2,225	-	1,400	230	20	5	240	-	20
Europe, NATO [1]	**18,635**	**90**	**15,170**	**250**	**455**	**1,530**	-	-	**5**
Belgium	1,580	-	1,500	70	-	-	-	-	-
Denmark	535	-	500	20	5	-	-	-	-
France	730	-	550	-	140	-	-	-	-
Greece	1,580	90	775	-	-	220	-	-	5
Italy	880	-	875	5	-	-	-	-	-
Netherlands	2,535	-	2,200	5	20	310	-	-	-
Norway	1,210	-	850	10	20	60	-	-	-
Turkey	2,460	-	1,300	30	220	850	-	-	-
United Kingdom	3,270	-	3,200	60	-	-	-	-	-
West Germany	3,455	-	3,200	30	50	-	-	-	-
Europe, Warsaw Pact [1]	**16,155**	**10,860**	-	**10**	**5**	**20**	**10**	**3,470**	**1,820**
Bulgaria	2,650	2,400	-	-	-	20	-	210	10
Czechoslovakia	2,240	2,100	-	-	-	-	-	30	-
East Germany	3,430	2,800	-	-	-	-	-	410	50
Hungary	770	420	-	-	-	-	-	120	140
Poland	3,030	2,700	-	-	-	-	-	-	180
Soviet Union	5,500	-	-	-	-	-	-	2,700	1,400
Europe, other [1]	**3,995**	**590**	**2,140**	**345**	**340**	**55**	-	-	**60**
Spain	1,155	-	725	310	10	50	-	-	-
Sweden	435	-	320	5	80	5	-	-	-
Switzerland	1,035	-	875	20	-	-	-	-	-
Yugoslavia	650	440	100	-	-	-	-	-	-
Latin America [1]	**17,160**	**8,120**	**1,695**	**790**	**100**	**2,370**	-	**135**	**405**
Argentina	1,960	-	60	80	-	1,400	-	-	-
Chile	550	-	-	300	60	130	-	-	-
Colombia	900	-	110	-	5	675	-	-	-
Cuba	7,830	6,400	-	-	-	-	-	130	400
Ecuador	630	-	50	70	20	-	-	-	-
Peru	880	310	120	170	-	110	-	-	-
Venezuela	1,275	-	575	30	-	40	-	-	-
Middle East [1]	**89,710**	**29,640**	**14,695**	**14,925**	**3,155**	**1,225**	**5,250**	**835**	**990**
Egypt	7,640	80	3,200	1,500	300	5	625	-	-
Iran	8,405	240	10	40	80	-	1,200	20	30
Iraq	31,740	15,300	-	4,500	70	625	3,300	525	410
Israel	3,700	-	3,700	-	-	-	-	-	-
Jordan	3,355	1,100	725	825	575	-	10	-	-
Kuwait	1,120	220	230	420	20	210	-	-	-
Saudi Arabia	16,715	-	6,100	6,800	1,200	90	-	-	-
Syria	10,830	9,600	-	20	10	10	110	220	550
Yemen (Sanaa)	1,485	1,300	50	-	-	5	-	70	-
North America	**3,490**	-	**1,000**	**10**	**960**	**460**	-	-	-
Canada	1,020	-	1,000	-	-	-	-	-	-
United States	2,470	-	-	10	950	460	-	-	-

- Represents zero. [1] Includes countries not shown separately.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

NO. 536. ARMS DELIVERED BY SELECTED SUPPLIER AND MAJOR WEAPON TYPE: 1982-1986

[The suppliers included are the five largest single exporters of major weapons in terms of magnitude of deliveries as well as other countries of the two major alliances; excluded are Albania, Greece, Malta, Spain, Turkey, and Yugoslavia]

TYPE OF WEAPON	Total [1]	SUPPLIER						
		Soviet Union	Other Warsaw Pact	United States [2]	France	United Kingdom	Other NATO	China: Mainland
Land armaments: Tanks	12,898	4,345	865	1,633	130	350	155	2,155
Anti-air artillery [3]	6,244	2,175	380	84	-	-	59	1,885
Field artillery [4]	15,905	4,420	280	2,075	110	100	5,340	880
Armored personnel carriers	20,138	8,330	705	3,886	1,175	270	1,350	1,195
Naval craft: Major surface combatants [5]	125	31	4	9	14	12	43	2
Other surface combatants [6]	1,302	109	-	41	679	54	57	21
Submarines	51	9	-	-	-	-	6	4
Missile attack boats	73	19	-	-	10	2	6	18
Aircraft: Combat aircraft (supersonic)	2,402	1,440	25	352	225	60	-	180
Combat aircraft (subsonic)	587	105	-	167	45	70	-	85
Other aircraft [7]	1,846	380	245	91	85	50	375	35
Helicopters	1,751	905	120	201	275	20	135	-
Missiles (surface-to-air)	27,583	15,540	5,000	2,448	405	1,825	65	345

- Represents zero. [1] Includes other countries not shown separately. [2] United States data are by fiscal years 1982 to 1986, while other suppliers' data are by calendar years 1982 to 1986. [3] Air defense artillery includes weapons over 23 millimeters. [4] Field artillery includes mobile rocket launchers mortars, and recoilless rifles over 100 millimeters. [5] Major surface combatants include aircraft carriers, cruisers, destroyers, destroyer escorts, and frigates. [6] Minor surface combatants include motor torpedo boats, subchasers, and minesweepers. [7] Other aircraft include reconnaissance aircraft, trainers, transports, and utility aircraft.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

NO. 537. ESTIMATES OF TOTAL DOLLAR COSTS OF AMERICAN WARS

[In millions of dollars, except percent. Service-connected veterans' benefits estimated at 40 percent of total veterans' benefits except as noted]

ITEM	World War II	Vietnam Conflict	Korean Conflict	World War I	Civil War: Union	Civil War: Confederacy	Spanish American War	American Revolution	War of 1812	Mexican War
Original incremental, direct costs: [1]										
Current dollars	360,000	140,600	50,000	32,700	2,300	1,000	270	100–140	89	82
Constant (1967) dollars	816,300	146,800	69,300	100,000	8,500	3,700	1,100	400–680	170	300
Percent 1 year's GNP	188	14	15	43	74	123	2	104	14	4
Service-connected veterans' benefits [2]	87,629	26,175	17,024	19,273	3,290	-	2,111	26	20	26
Interest, pmts. on war loans [3]	(4)	(4)	(4)	11,000	1,200	(4)	60	20	14	10
Current cost to 1986 [5]	447,629	166,775	67,024	62,973	6,790	(4)	2,441	170	120	120

- Represents zero. [1] Figures are rounded and taken from Claudia D. Goldin, *Encyclopedia of American Economic History*, p. 938. [2] Total cost to Oct. 1, 1986. For World War I and later wars, benefits are actual service-connected figures from 198 *Annual Report* of Veterans Administration. For earlier wars, service-connected veterans' benefits are estimated at 40 percent of total, the approximate ratio of service-connected to total benefits since World War I. [3] Total cost to 1986. Interest payments are a very rough approximation based on the percentage of the original costs of each war financed by money creation and debt, the difference between the level of public debt at the beginning of the war and at its end, and the approximate time required to pay off the war debts. [4] Unknown. [5] Figures are rounded estimates.

Source: Originally presented in U.S. Congress, Joint Economic Committee, *The Military Budget and National Economic Priorities*, Part 1, 91st Congress, 1st session (statement of James L. Clayton); subsequently revised and updated by James L. Clayton, University of Utah, Salt Lake City, Utah.

NO. 538. U.S. MILITARY SALES AND ASSISTANCE TO FOREIGN GOVERNMENTS: 1950 TO 1987

[In millions of dollars, except as indicated. For fiscal year ending in year shown; see text section 9. Department of Defense (DOD) sales deliveries cover deliveries against DOD sales orders authorized under Arms Export Control Act, as well as earlier and applicable legislation. For details regarding individual programs, see source]

ITEM	1950–1977 [1]	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Military sales agreements	54,493	6,690	11,180	12,645	6,805	17,670	15,023	13,745	11,351	7,030	6,939
Weapons and ammunition	24,453	2,691	3,576	6,358	1,912	7,145	7,949	6,311	3,636	2,370	1,841
Support equipment [2]	6,703	620	2,183	914	949	3,678	1,130	2,034	1,932	703	817
Spare parts and modifications	12,332	1,856	2,251	1,589	2,359	3,561	3,224	2,698	2,562	1,752	1,780
Support services	11,000	1,523	3,171	3,785	1,385	3,281	2,720	2,702	3,219	2,200	2,501
Military construction sales agreements	10,815	647	846	1,596	882	86	723	30	754	70	139
Military sales deliveries [3]	33,047	7,521	7,910	7,212	9,094	10,505	12,987	9,547	8,477	7,980	12,010
Military sales financing	12,060	2,101	5,673	1,950	3,046	3,884	5,107	5,716	4,940	4,947	4,053
Military assistance programs [4]	53,223	210	229	266	250	395	413	700	758	792	901
Military assist. program deliveries [5]	52,672	219	169	435	309	416	173	129	23	27	40
IMET program/deliveries [6]	18,892	28	27	25	28	44	47	52	55	51	56
Students trained (1,000) [6]	489	4	4	4	5	6	7	6	7	6	6

[1] Includes transition quarter, July–September 1976. [2] Includes aircraft, ships, support vehicles, communications equipment, and other supplies. [3] Includes military construction sales deliveries. [4] Includes Military Assistance Service Funded (MASF) program data, Section 506(a) drawdown authority, and MAP Merger Funds as follows: FY 1982—$134 million; FY 1983—$324 million; FY 1984—$642 million; FY 1985—$758 million; FY 1986—$752 million; FY 1987—$906 million. [5] Includes Military Assistance Service Funded (MASF) program data and Section 506(a) drawdown authority.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Military Assistance Facts*, annual, and unpublished data.

No. 539. U.S. Military Sales Deliveries to Foreign Governments, by Country: 1950 to 1987

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. Represents Department of Defense military sales deliveries]

COUNTRY	MILITARY SALES DELIVERIES [1]						PERCENT CHANGE			
	1950–1982 [2]	1983	1984	1985	1986	1987	1983–1984	1984–1985	1985–1986	1986–1987
Total [3]	**75,296.9**	**12,987.2**	**9,547.5**	**8,476.9**	**7,979.6**	**12,010.3**	**−26.5**	**−11.2**	**−5.9**	**50.5**
Australia	2,111.4	322.2	398.2	428.3	370.1	619.4	23.6	7.6	−13.6	67.4
Belgium	1,169.8	273.0	195.6	119.4	27.8	27.0	−28.4	−39.0	−76.7	−2.9
Canada	1,588.9	110.6	139.2	73.3	114.4	128.7	25.9	−47.3	56.1	12.5
China: Taiwan	1,964.9	389.2	274.9	339.5	249.0	387.1	−29.4	23.5	−26.7	55.5
Denmark	794.7	158.6	40.3	47.4	25.2	62.8	−74.6	17.6	−46.8	149.2
Egypt	1,621.0	1,010.4	317.1	580.3	619.5	1,141.9	−68.6	83.0	6.8	84.3
El Salvador	22.9	28.1	77.0	114.8	108.3	80.3	174.0	49.1	−5.7	−25.9
France	404.0	14.1	45.3	45.5	142.7	100.5	221.3	.4	213.6	−29.6
Greece	1,590.8	156.7	104.9	119.1	73.7	86.8	−33.1	13.5	−38.1	17.8
Indonesia	220.2	28.9	15.7	17.8	12.8	24.3	−45.7	13.4	−28.1	89.8
Israel	8,020.8	260.7	216.1	483.1	195.8	1,374.3	−17.1	123.6	−59.5	601.9
Italy	802.0	26.3	54.0	54.9	65.7	89.6	105.3	1.7	19.7	36.4
Japan	1,175.8	385.5	333.3	389.7	151.3	306.2	−13.5	16.9	−61.2	102.4
Jordan	964.7	260.9	77.0	122.8	62.8	64.8	−70.5	59.5	−48.9	3.2
Kuwait	668.8	72.2	48.7	34.0	71.9	83.1	−32.5	−30.2	111.5	15.6
Morocco	537.5	50.2	68.6	49.5	37.1	43.3	36.7	−27.8	−25.1	16.7
Netherlands	1,468.1	516.6	402.4	339.4	319.6	459.8	−22.1	−15.7	−5.8	43.9
Norway	1,021.9	254.2	191.4	30.0	43.2	92.3	−24.7	−84.3	44.0	113.7
Pakistan	545.7	255.6	452.9	358.0	148.2	135.2	77.2	−21.0	−58.6	−8.8
Philippines	176.2	10.6	13.8	16.0	37.3	33.8	30.2	15.9	133.1	−9.4
Portugal	29.2	12.5	25.5	97.5	26.5	27.8	104.0	282.4	−72.8	4.9
Saudi Arabia	17,956.6	5,990.5	3,403.3	2,270.7	2,789.6	3,497.0	−43.2	−33.3	22.9	25.4
Singapore	219.3	83.4	32.8	22.4	134.9	163.2	−60.7	−31.7	502.2	21.0
South Korea	2,036.2	297.8	258.0	258.3	387.5	403.9	−13.4	.1	50.0	4.2
Spain	891.0	68.1	66.0	92.8	236.0	753.0	−3.1	40.6	154.3	219.1
Sudan	155.1	12.3	24.6	25.3	27.7	27.1	100.0	2.8	9.5	−2.2
Thailand	861.4	160.1	164.8	118.9	118.5	100.7	2.9	−27.9	−.3	−15.0
Tunisia	96.2	24.7	84.7	154.8	26.0	44.3	242.9	82.8	−83.2	70.4
Turkey	978.3	150.2	306.0	389.7	290.3	296.1	103.7	27.4	−25.5	2.0
United Kingdom	3,119.9	478.3	446.7	386.4	363.8	228.4	−6.6	−13.5	−5.8	−37.2
Venezuela	264.4	32.8	136.5	243.2	80.3	51.1	316.2	78.2	−67.0	−36.4
West Germany	7,144.0	322.6	336.1	222.2	206.3	344.3	4.2	−33.9	−7.2	66.9

[1] Includes military construction sales deliveries. [2] Includes transactions for the transition quarter, July-September 1976. [3] Includes countries not shown.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Military Assistance Facts*, annual.

No. 540. Summary of Major Military Forces: 1980 to 1988

[As of September 30]

CATEGORY	1980	1981	1982	1983	1984	1985	1986	1987	1988
Strategic forces:									
Land-based ICBMs	1,054	1,053	1,053	1,042	1,037	1,028	1,013	1,005	1,000
Sea-launched BMs	576	600	592	568	640	648	640	640	674
Strategic bombers	413	410	410	356	328	328	347	389	423
Strategic interceptors	292	279	261	261	266	264	264	252	252
General purpose forces (active):									
Army Divisions	16	16	16	16	16	17	18	18	18
Marine Corps Divisions	3	3	3	3	3	3	3	3	3
Air Force Tactical Aircraft	3,813	3,991	4,133	4,303	4,352	4,406	4,461	4,396	4,470
Navy/Marine Corps Tactical Aircraft	2,013	2,029	1,968	1,929	1,905	1,970	1,974	1,982	1,962
Naval forces:									
Aircraft carriers	13	12	13	13	13	13	13	14	14
Battleships	-	-	-	1	2	2	3	3	3
Nuclear attack submarines	74	82	91	93	94	96	97	98	96
Other warships	180	188	197	191	197	204	204	206	195
Amphibious assaults [1]	63	59	59	61	59	60	60	61	62
Airlift and sealift forces:									
C-5 aircraft (PAA)	70	70	70	70	70	70	75	84	102
Other Air Force aircraft (PAA)	820	808	795	782	769	787	789	789	781
Navy and Marine Corps Tactical Support Aircraft (PAA)	88	88	88	88	88	88	88	87	87
Ships (NDRF)	164	173	183	192	202	214	220	221	209

- Represents zero. [1] Excludes reserve forces' amphibious ships.

Source: The Congress of the United States, Congressional Budget Office, *An Analysis of the President's Budgetary Proposals for Fiscal Year 1989*. Data from Dept. of Defense.

No. 541. Active Duty Military Personnel—U.S./Soviet Union Summary: 1980 to 1987

[In thousands, except percents]

ITEM	1980	1981	1982	1983	1984	1985	1986	1987	Net change 1980-1987
Strategic nuclear services:									
United States [1]	140	137	140	139	139	134	130	98	-42
Soviet Union [2]	901	912	775	773	773	773	805	805	-96
Tactical/mobility services:									
United States	1,910	1,944	1,969	2,030	2,046	2,061	2,072	2,067	157
Army	776	781	780	779	781	778	775	775	-1
Navy	506	521	534	538	545	554	561	566	60
Air Force	440	452	463	518	523	531	537	526	86
Marine Corps	188	190	192	195	197	198	199	200	12
Soviet Union	3,289	3,736	3,703	3,805	3,905	3,953	3,963	3,676	387
Ground Forces [3]	2,450	2,882	2,840	2,930	3,020	3,020	3,030	2,800	350
Navy	407	416	418	429	436	463	463	440	33
Air Force [4]	420	425	431	431	433	454	454	420	-
Naval Infantry	12	13	14	15	16	16	16	16	4

– Represents zero. [1] 1986 and 1987 reflect changes in counting rules, not actual reductions. [2] Sudden decreases in 1982 resulted from the Soviet reorganization of its former long-range aviation and air defense forces. [3] Increases in 1981 resulted from reevaluation and Soviet operations in Afghanistan. Decrease in 1987 was a result of reassessment. [4] Reduction in 1987 was due to reassessment.

No. 542. Intercontinental Ballistic Missiles (ICBMs), Submarines, and Bombers—U.S. and Soviet Union Balance: 1980 to 1987

WEAPONS SYSTEM	1980	1981	1982	1983	1984	1985	1986	1987	Net change 1980-1987
ICBMs:									
United States [1]	1,052	1,052	1,049	1,040	1,030	1,017	999	996	-56
Minuteman II	450	450	450	450	450	450	450	450	-
Minuteman III	550	550	550	550	550	550	534	514	-36
Peacekeeper (MX)	-	-	-	-	-	-	10	32	32
Soviet Union	1,398	1,398	1,398	1,398	1,398	1,398	1,418	1,389	-9
SS-11	640	580	550	520	520	448	440	420	-220
SS-13	60	60	60	60	60	60	60	60	-
SS-17	150	150	150	150	150	150	150	145	-5
SS-18	308	308	308	308	308	308	308	308	-
SS-19	240	300	330	360	360	360	360	350	110
Warheads:									
United States	2,152	2,152	2,149	2,140	2,130	2,117	2,157	2,312	160
Soviet Union	5,002	5,302	5,862	6,420	6,420	6,420	6,440	6,400	1,398
Submarine systems:									
SLBMs: [2]									
United States [1]	576	512	520	568	592	600	640	640	64
Trident I	80	112	200	264	288	312	384	384	304
Poseidon	416	384	320	304	304	288	256	256	-160
Soviet Union [1]	985	985	969	961	946	931	967	969	-16
SS-N-6	464	416	384	368	336	304	272	256	-208
SS-N-8	292	292	292	292	292	292	292	286	-6
SS-N-17	12	12	12	12	12	12	12	12	-
SS-N-18	160	206	224	224	224	224	224	224	64
Warheads:									
United States	4,880	4,752	4,800	5,152	5,344	5,376	5,632	5,632	752
Soviet Union	1,625	1,817	1,865	1,957	2,122	2,307	2,695	2,941	1,316
Bombers:									
United States [1]	376	376	355	297	297	297	312	363	-13
B-1B	-	-	-	-	-	-	26	61	61
B-52G	151	151	151	151	151	151	150	150	-1
B-52H	90	90	90	90	90	90	84	84	-6
FB-111	60	60	56	56	56	56	52	48	-12
Soviet Union [1]	220	235	245	260	300	325	325	325	105
Tu-95 BEAR	100	100	100	100	100	100	100	100	-
Tu-95 BEAR-H	-	-	-	-	25	50	50	60	60
Tu-22M Backfire	75	90	100	115	130	145	160	165	90

– Represents zero. X Not applicable. [1] Includes weapons not shown separately. [2] Submarine-launched ballistic missile.

Source of tables 541 and 542: The Congress of the United States, Congressional Research Service, *U.S./Soviet Military Balance, Statistical Trends, 1980–1987*, April 15, 1988.

No. 543. Department of Defense Manpower: 1950 to 1988

[In thousands, except as indicated. For fiscal year ending in year shown]

YEAR	Total defense manpower	Defense related employment in industry	Total DOD manpower [1]	ACTIVE DUTY MILITARY: Personnel: Total military [2]	Army	Navy [3]	Marine Corps	Air Force	Payroll total [4] (bil. dol.)	MILITARY RETIREES: Number (1,000)	Pension payments (bil. dol.)
1950	2,902	713	2,189	1,459	593	381	74	411	(NA)	133	(NA)
1955	6,953	2,500	4,453	2,936	1,109	661	205	960	(NA)	181	(NA)
1960	6,165	2,460	3,705	2,475	873	617	171	815	(NA)	255	(NA)
1961	6,301	2,600	3,701	2,483	859	626	177	821	(NA)	291	(NA)
1962	6,773	2,725	4,048	2,806	1,066	664	191	884	(NA)	327	(NA)
1963	6,468	2,550	3,918	2,699	976	664	190	869	(NA)	(NA)	(NA)
1964	6,142	2,280	3,862	2,686	973	666	190	857	(NA)	432	(NA)
1965	5,937	2,125	3,812	2,654	969	670	190	825	(NA)	481	(NA)
1966	6,988	2,640	4,348	3,092	1,200	743	262	887	(NA)	525	(NA)
1967	7,876	3,100	4,776	3,375	1,442	750	285	897	(NA)	584	(NA)
1968	8,128	3,174	4,954	3,548	1,570	764	307	905	(NA)	644	2.0
1969	7,767	2,916	4,851	3,458	1,512	774	310	862	(NA)	707	2.2
1970	6,829	2,399	4,430	3,065	1,322	691	260	791	19.4	765	2.5
1971	5,934	2,031	3,903	2,713	1,124	622	212	755	19.2	823	3.1
1972	5,467	1,985	3,482	2,322	811	587	198	726	19.8	881	3.6
1973	5,202	1,850	3,352	2,252	801	564	196	691	20.3	935	4.1
1974	5,132	1,860	3,272	2,162	783	546	189	644	18.9	990	4.9
1975	5,006	1,800	3,206	2,128	784	535	196	613	20.2	1,044	6.1
1976	4,819	1,690	3,129	2,082	779	525	192	585	20.4	1,086	7.3
1977	4,829	1,730	3,099	2,075	782	530	192	571	21.0	1,155	8.2
1978	4,848	1,765	3,083	2,062	772	530	191	570	21.0	1,192	9.0
1979	4,883	1,860	3,023	2,027	759	523	185	559	22.7	1,226	10.3
1980	5,054	1,990	3,064	2,051	777	527	188	558	24.2	1,265	11.9
1981	5,205	2,085	3,120	2,083	781	540	191	570	28.1	1,289	13.7
1982	5,468	2,310	3,158	2,109	780	553	192	583	32.9	1,313	14.9
1983	5,757	2,530	3,227	2,123	780	558	194	592	27.7	1,333	15.9
1984	6,054	2,785	3,269	2,138	780	565	196	597	28.9	1,355	16.4
1985	6,383	3,050	3,333	2,151	781	571	198	602	29.8	1,374	17.0
1986	6,620	3,275	3,345	2,169	781	581	199	606	31.3	1,390	17.8
1987	6,692	3,325	3,367	2,174	781	587	200	607	34.0	1,406	18.9
1988	6,720	3,350	3,370	2,247	781	593	200	580	(NA)	(NA)	(NA)

NA Not available. [1] Includes civil service employees. [2] Beginning 1980, excludes Navy Reserve personnel in active duty for Training and Administration of Reserves (TARS). From 1969, includes the Full-Time Guard and Reserve. [3] Prior to 1980, includes Navy Reserve personnel on active duty for Training and Administration Reserve (TARS). [4] Beginning 1983, data not strictly comparable with earlier years.

Source: U.S. Department of Defense, *National Defense Budget Estimates for FY 1988/1989, April 1988; Atlas Data Abstract for the United States and selected areas;* and *DOD Statistical Report on The Military Retirement System,* annual, and *Selected Manpower Statistics,* annual.

No. 544. Military Personnel on Active Duty, by Service: 1975 to 1987

[In thousands. As of end of fiscal year; see text, section 9. Includes National Guard, Reserve, and retired regular personnel on extended or continuous active duty. Excludes Coast Guard. Military cadets, Naval Academy midshipmen, Air Force Academy cadets, and other officer candidates are included under enlisted personnel. See also *Historical Statistics, Colonial Times to 1970,* series Y 904–916]

BRANCH OF SERVICE	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**2,128**	**2,082**	**2,075**	**2,062**	**2,027**	**2,051**	**2,083**	**2,109**	**2,123**	**2,138**	**2,151**	**2,169**	**2,174**
Percent officers	13.7	13.5	13.3	13.3	13.5	13.5	13.7	13.8	14.1	14.2	14.4	14.3	14.1
Army	784	779	782	772	759	777	781	780	780	780	781	781	781
Officers	103	99	98	98	97	99	102	103	106	108	110	110	108
Enlisted	678	678	680	670	657	674	675	673	669	668	667	667	668
Navy	535	525	530	530	523	527	540	553	558	565	571	581	587
Officers	66	64	63	63	62	63	66	67	68	69	71	72	72
Enlisted	468	458	462	463	457	460	470	481	485	491	495	504	510
Marine Corps	196	192	192	191	185	188	191	192	194	196	198	199	200
Officers	19	19	19	18	18	18	18	19	20	20	20	20	20
Enlisted	177	174	173	172	167	170	172	173	174	176	178	179	179
Air Force	613	585	571	570	559	558	570	583	592	597	602	608	607
Officers	105	100	96	95	96	98	99	102	105	106	108	109	107
Enlisted	503	481	470	470	459	456	467	476	483	486	489	495	495

Source: U.S. Dept. of Defense, *Selected Manpower Statistics,* annual.

No. 545. Military Personnel on Active Duty, by Location: 1970 to 1987

[In thousands. 1970 and 1975 as of Dec. 31; thereafter, as of end of fiscal year; see text, section 9]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	19
Total	**2,874**	**2,084**	**2,051**	**2,083**	**2,109**	**2,123**	**2,138**	**2,151**	**2,169**	**2,1**
Shore-based [1]	2,627	1,884	1,840	1,869	1,880	1,889	1,908	1,920	1,929	1,9
Naval afloat [2]	247	200	211	214	229	234	230	231	240	2
United States [3]	1,987	1,630	1,562	1,581	1,580	1,604	1,628	1,636	1,644	1,6
Foreign countries	887	455	488	502	528	519	510	516	526	5

[1] Includes Navy personnel temporarily on shore. [2] Includes Marine Corps. [3] Includes outlying areas.

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and unpublished data.

No. 546. Coast Guard Personnel on Active Duty: 1970 to 1987

[As of end of fiscal year; see text, section 9]

YEAR	Total	Officers	Cadets	Enlisted	YEAR	Total	Officers	Cadets	Enliste
1970	37,689	5,512	653	31,524	1983	39,708	6,535	811	32,3
1975	36,788	5,630	1,177	29,981	1984	38,705	6,790	759	31,1
1979	38,559	6,340	806	31,413	1985	38,595	6,775	733	31,0
1980	39,381	6,463	877	32,041	1986	37,284	6,577	754	29,9
1981	39,760	6,519	981	32,260	1987	38,576	6,644	859	31,07
1982	38,248	6,431	902	30,915					

Source: U.S. Dept. of Transportation, *Annual Report of the Secretary of Transportation.*

No. 547. Vietnam Conflict—U.S. Military Forces in Vietnam, and Casualties: 1957 to 1986

[Military forces as of Dec. 31. All U.S. forces withdrawn by Jan. 27, 1973]

ITEM	Unit	1957-1986, total	1957-1964	1965	1966	1967	1968	1969	1970	1971	1972	1973-1986
Military forces	1,000	(X)	[1] **23.3**	**184.3**	**385.3**	**485.6**	**536.1**	**475.2**	**234.6**	**156.8**	**24.2**	-
Battle deaths [2]	Number	**47,378**	**279**	**1,432**	**5,047**	**9,463**	**14,623**	**9,426**	**4,230**	**1,376**	**361**	**1,141**
Killed	Number	38,530	197	1,124	4,142	7,525	12,624	8,117	3,986	1,082	205	28
Died of wounds	Number	5,196	10	111	579	979	1,598	1,168	55	160	28	8
Died while missing [3]	Number	3,652	72	197	326	959	401	141	189	134	126	1,105

- Represents zero. X Not applicable. [1] For 1964 only. [2] Casualties from enemy action. Deaths exclude 10,752 servicemen who died in accidents or from disease. [3] Includes servicemen who died while captured.

Source: National Archives and Records Administration, "Combat Area Casualty File," (3-330-80-3)

No. 548. Armed Forces Personnel—Summary of Major Conflicts

[For Revolutionary War, number of personnel serving not known, but estimates range from 184,000 to 250,000; for War of 1812, 286,730 served; for Mexican War, 78,718 served. Dates of the major conflicts may differ from those specified in various law providing benefits for veterans. See table 547 for data on Vietnam conflict. See also *Historical Statistics, Colonial Times to 1970,* series Y 856-903]

ITEM	Unit	Civil War [1]	Spanish-American War	World War I	World War II	Korean conflict	Vietnam conflict
Personnel serving	1,000	2,213	307	4,735	[2] 16,113	[3] 5,720	[4] 8,744
Average duration of service	Months	20	8	12	33	19	23
Service abroad: Personnel serving	Percent	(NA)	[5] 29	53	73	[6] 56	(NA)
Average duration [7]	Months	(NA)	1.5	5.5	16.2	13.4	(NA)
Casualties: [9] Battle deaths	1,000	140	(Z)	53	292	34	[8] 47
Wounds not mortal	1,000	282	2	204	671	103	[8] 153
Draftees: Classified	1,000	777	(X)	24,234	36,677	9,123	[4] 75,717
Examined	1,000	522	(X)	3,764	17,955	3,685	[4] 8,611
Rejected	1,000	160	(X)	803	6,420	1,189	[4] 3,880
Inducted	1,000	46	(X)	2,820	10,022	1,560	[4] 1,759

NA Not available. X Not applicable. Z Fewer than 500. [1] Union forces only. Estimates of the number serving in Confederate forces range from 600,000 to 1.5 million. [2] Covers Dec. 1, 1941, to Dec. 31, 1946. [3] Covers June 25, 1950, to July 27, 1953. [4] Covers Aug. 4, 1964, to Jan. 27, 1973. [5] Army and Marines only. [6] Excludes Navy. Covers July 1950 through Jan. 1955. Far East area only. [7] During hostilities only. [8] Covers Jan. 1, 1961, to Jan. 27, 1973. [9] For periods covered, see footnotes 2, 3, and 4.

Source: The President's Commission on Veterans' Pensions, *Veterans' Benefits in the United States*, vol. I, 1956; and U.S. Dept. of Defense, unpublished data.

NO. 549. ENLISTED MILITARY PERSONNEL ACCESSIONS: 1980 TO 1987

[In thousands. For years ending Sept. 30]

BRANCH OF SERVICE	1980	1985	1986	1987
Total	**582**	**529**	**551**	**534**
First enlistments	356	287	299	280
Reenlistments	204	216	226	225
Reserves to active duty	22	26	26	29
Army	**295**	**200**	**216**	**211**
First enlistments	163	117	127	122
Reenlistments	97	84	89	89
Navy	**127**	**117**	**123**	**117**
First enlistments	75	67	70	66
Reenlistments	36	50	53	51
Marine Corps	**58**	**54**	**55**	**53**
First enlistments	42	36	35	35
Reenlistments	15	19	20	18
Air Force	**132**	**132**	**131**	**124**
First enlistments	76	68	67	56
Reenlistments	56	64	64	68

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and *Military Manpower Statistics*, quarterly.

NO. 550. RESERVE OFFICERS TRAINING CORPS (ROTC)—ENROLLMENT: 1970 TO 1987

[In thousands. For **May, or end of school year.** Jr. ROTC refers to enrollment in high schools, academies, junior colleges, and National Defense Cadet Corps schools; includes Jr. ROTC in all service branches]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Senior ROTC	123	58	61	66	76	80	84	91	100	103	99	111	99	93	98
Junior ROTC	128	155	164	158	152	156	144	166	158	191	176	212	216	218	212

Source: U.S. Dept. of Defense, unpublished data.

NO. 551. MILITARY PERSONNEL ON ACTIVE DUTY AND MONTHLY BASIC PAY: 1984 TO 1988

[Personnel as of Sept. 30; basic pay as of January, except as noted]

RANK/GRADE	PERSONNEL (1,000)				MONTHLY BASIC PAY (dollars)				
	1984	1985	1986	1987	1984	1985	1986 [1]	1987	1988
Total [2]	**2,138.2**	**2,151.0**	**2,169.1**	**2,174.2**	(X)	(X)	(X)	(X)	(X)
Recruit—E-1	129.8	127.6	132.6	110.5	596	620	639	658	671
Private—E-2	137.2	140.6	148.7	160.3	669	695	716	738	753
Pvt. 1st class—E-3	370.1	336.3	326.6	337.2	695	723	745	767	782
Corporal—E-4	422.7	444.4	443.9	447.2	779	810	835	860	876
Sergeant—E-5	350.8	356.2	361.1	363.0	942	980	1,009	1,040	1,060
Staff Sgt.—E-6	231.5	237.8	241.6	245.5	1,250	1,300	1,339	1,379	1,407
Sgt. 1st class—E-7	127.0	131.9	133.4	134.9	1,523	1,584	1,631	1,680	1,714
Master Sgt.—E-8	37.8	38.5	39.0	39.4	1,748	1,818	1,873	1,929	1,968
Sgt. Major—E-9	14.3	15.1	15.5	15.4	2,100	2,184	2,249	2,317	2,363
Warrant Officer—W-1	2.7	2.4	2.2	2.1	1,438	1,495	1,540	1,586	1,618
Chief Warrant—W-4	2.8	3.2	3.3	3.4	2,627	2,732	2,814	2,898	2,956
2d Lt.—O-1	39.5	39.7	39.2	34.5	1,143	1,189	1,224	1,261	1,286
1st Lt.—O-2	41.6	42.7	44.4	45.1	1,438	1,495	1,540	1,586	1,618
Captain—O-3	101.7	104.4	104.7	105.9	2,092	2,176	2,241	2,308	2,354
Major—O-4	52.3	53.3	54.4	53.7	2,648	2,754	2,836	2,921	2,956
Lt. Colonel—O-5	32.6	32.8	32.7	33.0	3,282	3,413	3,516	3,621	3,694
Colonel—O-6	14.6	14.7	14.6	14.6	4,163	4,330	4,460	4,593	4,685
Brig. General—O-7	.5	.5	.5	.5	4,738	4,928	5,075	5,228	5,333
Major General—O-8	.4	.4	.4	.4	5,450	5,667	[3] 5,725	[3] 5,900	[3] 6,042
Lt. General—O-9	.1	.1	.1	.1	[3] 5,500	[3] 5,725	[3] 5,725	[3] 5,900	[3] 6,042
General—O-10	(Z)	(Z)	(Z)	(Z)	[3] 5,500	[3] 5,725	[3] 5,725	[3] 5,900	[3] 6,042

X Not applicable. Z Less than 50. [1] As of October 1985. [2] Includes cadets and midshipmen and warrant officers, W-2 and W-3. [3] Statutory limitation.

Source: U.S. Dept. of Defense, Office of the Comptroller, *Selected Manpower Statistics*, annual, and unpublished data.

NO. 552. DISCHARGES, DESERTION AND ABSENT-WITHOUT-AUTHORITY RATES FOR MILITARY PERSONNEL: 1970 TO 1987

[**For fiscal year ending in year shown;** see text, section 9. **Rate per 1,000 average end-of-month strength**]

YEAR	Total discharges	Honorable [1] [2]	General [1] [3]	Other than honorable [1] [4]	Bad conduct [5] [6]	Dishonorable [5] [7]	Desertion rate [8]	Absent-without-authority rate [9]
1970	1,136,140	1,081,556	29,334	20,911	3,964	375	33.6	86.3
1975	662,952	603,058	48,999	27,015	3,587	293	26.3	88.6
1980	541,558	499,950	23,541	15,553	2,242	272	17.9	48.6
1982	523,014	466,666	33,294	18,071	4,653	330	10.9	34.3
1983	[10] 531,398	447,511	35,582	23,176	5,757	138	6.7	22.4
1984	[10] 517,897	423,660	32,194	24,883	5,617	268	6.5	20.8
1985	[10] 505,640	426,244	27,639	20,627	4,939	267	6.3	17.1
1986	[10] 512,462	426,931	26,581	21,790	3,196	646	6.2	16.6
1987	[10] 508,135	430,530	22,808	20,083	3,386	675	6.1	16.2

[1] Administrative discharge. [2] Based on proper military behavior and proficient performance of duty; honest and faithful service. [3] Discharge under honorable conditions; satisfactory service; military record not sufficiently meritorious for honorable discharge. [4] Unsatisfactory service (misconduct, security or resignation/request for discharge). [5] Punitive, resulting from trial by court-martial. [6] Usually punishment for repeated convictions of minor offenses or less serious felony type offense. [7] Awarded after conviction of serious offenses usually recognized by civil law as felonies, or of military offenses requiring severe punishment. [8] Absent without authority more than 30 days. [9] For 30 days or less. [10] Includes uncharacterized discharges, not shown separately.

Source: U.S. Dept. of Defense, unpublished data.

NO. 553. MILITARY RESERVE PERSONNEL: 1970 TO 1987

[**In thousands.** As of **end of fiscal year;** see text, section 9. Excludes U.S. Coast Guard Reserve. The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives its explicit approval. The retired reserve represents a low potential for mobilization]

RESERVE STATUS AND BRANCH OF SERVICE	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total reserves	**3,639**	**2,656**	**2,118**	**2,109**	**2,169**	**2,267**	**2,250**	**2,295**	**2,310**	**2,370**	**2,434**	**2,455**
Ready reserve	2,574	1,529	1,144	1,203	1,263	1,317	1,359	1,419	1,491	1,566	1,613	1,620
Standby reserve	492	412	183	103	86	65	52	44	44	44	41	38
Retired reserve	573	715	791	803	821	885	839	832	775	760	780	796
Army	2,221	1,631	1,178	1,173	1,218	1,337	1,360	1,408	1,428	1,481	1,508	1,509
Navy	806	521	435	427	436	436	415	423	425	431	464	471
Air Force	610	504	505	509	514	494	476	463	457	459	462	475

Source: U.S. Dept. of Defense, *Official Guard and Reserve Manpower Strengths and Statistics*, quarterly.

NO. 554. MILITARY RESERVE COSTS: 1970 TO 1987

[**In millions of dollars.** As of **end of fiscal year;** see text, section 9. Army and Air Force data include National Guard]

TYPE OF COST	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**2,547**	**4,789**	**7,049**	**7,877**	**9,870**	**10,370**	**12,073**	**15,544**	**19,439**	**19,631**	**18,981**
Operations and maintenance	994	2,092	2,951	3,526	4,164	4,716	5,137	5,128	5,734	5,770	6,189
Personnel	1,083	1,679	2,031	2,359	3,012	3,776	4,633	3,757	7,704	8,500	8,382
Procurement	187	518	1,506	1,463	1,955	1,008	1,627	5,923	5,003	4,383	3,322
Active-duty support	234	324	389	406	506	556	386	433	591	607	609
Construction	49	176	172	122	233	314	291	303	408	371	480

Source: U.S. Dept. of Defense, unpublished data.

NO. 555. NATIONAL GUARD—SUMMARY: 1970 TO 1987

[**As of end of fiscal year;** see text, section 9. Includes Puerto Rico]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Army National Guard: Units	**Number**	**3,052**	**3,246**	**3,379**	**3,389**	**3,482**	**3,429**	**4,351**	**4,353**	**5,712**	**6,125**
Personnel [1]	1,000	410	403	366	391	409	418	434	438	446	452
Funds obligated [2]	Mil. dol	752	1,322	1,802	2,189	2,708	2,980	3,093	4,387	4,825	4,865
Value of equipment	Mil. dol	1,600	4,100	7,600	8,100	8,600	13,100	14,300	18,600	19,700	22,300
Air National Guard: Units	**Number**	**958**	**1,106**	**1,054**	**1,054**	**1,080**	**1,186**	**1,202**	**1,184**	**1,355**	**1,435**
Personnel [1]	1,000	90	96	97	98	101	102	105	109	113	115
Funds obligated [2]	Mil. dol	407	890	1,678	1,957	2,288	2,478	2,488	2,613	2,809	2,885
Value of equipment (est.) [3]	Mil. dol	(NA)	3,100	5,200	6,000	5,900	6,300	17,500	21,400	26,100	23,800

NA Not available. [1] Officers and enlisted men. [2] Federal funds; includes personnel, operations, maintenance, and military construction. [3] Beginning 1984, increase due to repricing of aircraft to current year dollars to reflect true replacement value.

Source: National Guard Bureau, *Annual Review of the Chief, National Guard Bureau*, and unpublished data.

No. 556. Living Veterans—States and Other Areas: 1970 to 1987

[Estimates in thousands. As of end of fiscal year; see text, section 9. Data were estimated starting with veteran's place of residence as of April 1, 1980, based on 1980 Census of Population data, extended to later years on the basis of estimates of veteran interstate migration, separations from the Armed Forces, and mortality; not directly comparable with earlier estimates previously published by the VA. Excludes 423,000 veterans whose only active-duty military service occurred since September 8, 1980, and who failed to satisfy the minimum service requirement. Also excludes a small indeterminate number of National Guard personnel or reservists who incurred service-connected disabilities while on an initial tour of active duty for training only]

YEAR AND STATE OR OTHER AREA	Total veterans [1]	WAR VETERANS							Service between Korea and Vietnam only	Post-Vietnam era [5]
		Total [2]	World War I	World War II [3]	Korean conflict		Vietnam era			
					Total [2] [4]	No service in World War II	Total [4]	No service in Korean conflict		
1970	26,976	23,160	1,425	13,887	5,440	4,167	4,100	3,618	3,173	(X)
1980	28,640	23,965	461	11,720	5,434	4,331	8,118	7,453	3,056	1,120
1981	28,563	23,716	404	11,491	5,393	4,306	8,175	7,513	3,076	1,320
1982	28,399	23,421	348	11,241	5,346	4,280	8,210	7,551	3,064	1,479
1983	28,202	23,109	297	10,978	5,294	4,249	8,236	7,584	3,051	1,623
1984	28,027	22,782	250	10,700	5,237	4,215	8,263	7,616	3,037	1,803
1985	27,732	22,274	206	10,346	5,135	4,143	8,215	7,578	3,009	2,058
1986	[6] 27,082	[6] 22,017	171	10,076	5,105	4,134	8,264	7,636	3,004	2,283
1987, total	**27,469**	**21,846**	**140**	**9,765**	**5,034**	**4,089**	**8,270**	**7,652**	**2,987**	**2,473**
United States	**27,344**	**21,551**	**140**	**9,736**	**5,000**	**4,058**	**8,236**	**7,619**	**2,975**	**2,456**
Alabama	406	319	2	142	84	67	122	106	43	36
Alaska	71	56	(Z)	14	11	9	34	32	9	6
Arizona	407	324	2	154	75	55	129	113	39	39
Arkansas	267	208	2	96	47	36	80	71	28	27
California	2,844	2,281	14	1,017	574	428	905	820	309	211
Colorado	398	313	2	115	75	58	154	139	44	37
Connecticut	393	314	2	150	74	62	104	99	46	28
Delaware	78	61	(Z)	28	14	11	23	21	8	8
District of Columbia	56	46	(Z)	22	12	9	15	14	5	6
Florida	1,477	1,201	11	654	282	195	404	341	125	124
Georgia	651	500	2	198	121	94	231	206	69	72
Hawaii	101	80	2	32	21	16	37	32	11	9
Idaho	117	91	1	38	20	16	39	36	13	11
Illinois	1,254	996	6	451	218	193	345	336	147	106
Indiana	647	490	3	206	111	96	189	183	75	74
Iowa	335	265	3	110	58	53	102	100	35	32
Kansas	286	230	2	103	52	43	89	82	31	22
Kentucky	368	291	2	129	67	57	110	103	40	31
Louisiana	432	337	2	148	78	61	137	126	46	42
Maine	154	121	1	54	28	23	47	44	16	15
Maryland	530	415	2	183	105	81	164	149	60	49
Massachusetts	685	547	4	275	125	104	172	163	76	56
Michigan	1,023	782	5	326	168	152	306	299	117	113
Minnesota	495	386	3	155	86	76	156	152	60	44
Mississippi	234	183	1	86	46	36	66	58	24	22
Missouri	633	496	4	221	117	98	186	175	68	59
Montana	106	84	1	34	18	15	36	34	12	9
Nebraska	186	147	1	62	38	31	57	53	21	17
Nevada	137	109	(Z)	46	29	22	47	41	17	11
New Hampshire	141	110	1	46	28	21	46	43	16	14
New Jersey	887	706	4	357	184	141	214	204	104	64
New Mexico	172	135	1	57	32	24	59	53	16	18
New York	1,858	1,462	10	731	322	287	444	433	205	183
North Carolina	682	536	3	244	127	104	207	187	69	65
North Dakota	72	56	(Z)	21	12	11	24	23	9	7
Ohio	1,302	1,007	6	458	217	191	365	353	144	136
Oklahoma	401	322	2	136	74	57	138	126	41	32
Oregon	350	278	2	117	57	48	118	112	39	29
Pennsylvania	1,524	1,209	7	601	282	225	380	375	171	125
Rhode Island	120	97	1	49	22	18	32	30	11	10
South Carolina	351	275	1	120	68	52	118	101	38	35
South Dakota	79	62	1	26	15	14	22	21	9	8
Tennessee	524	410	2	177	92	77	167	154	56	51
Texas	1,765	1,401	7	574	322	249	632	572	191	169
Utah	154	124	1	51	26	22	53	50	17	12
Vermont	64	48	(Z)	20	11	9	20	19	7	7
Virginia	669	523	2	229	144	108	225	189	71	98
Washington	591	469	3	186	113	83	217	195	68	50
West Virginia	224	178	1	83	38	32	65	62	23	20
Wisconsin	565	432	4	160	93	83	169	165	72	56
Wyoming	59	47	(Z)	16	10	9	23	22	7	5
Puerto Rico	125	95	(Z)	30	35	32	35	33	12	17

X Not applicable. Z Fewer than 500. [1] Beginning 1980, includes peacetime veterans not shown separately, who served only between World War I and World War II, and those who served only between World War II and the Korean conflict. [2] Veterans who served in both World War II and the Korean conflict, or in both the Korean conflict and the Vietnam era, are counted only once. [3] Includes 945,000 who served in both World War II and the Korean conflict. [4] Includes 618,000 who served in both the Korean conflict and the Vietnam era. [5] Service only after May 7, 1975. [6] There are also 3 living Spanish-American War veterans whose median age is 102 years, and 60 living Mexican Border conflict veterans.

Source: U.S. Veterans Administration, Office of Information Management and Statistics, *Veteran Population September 30, 1987*, December, 1987, RCS 70-0561.

No. 557. Veterans Living in the U.S. and Puerto Rico, by Age and Period of Service: 1987

[**In thousands, except as indicated. As of Sept. 30.** Estimated. Excludes 453,000 veterans whose only active duty military service occurred since Sept. 30, 1980. See headnote, table 556. See also *Historical Statistics, Colonial Times to 1970,* series Y 943–956, for all veterans]

AGE	Total veterans	WARTIME VETERANS							PEACETIME VETERANS			
		Total [1]	Vietnam era		Korean conflict		World War II [3,4]	World War I	Total	Post-Vietnam era [5]	Service between Korean conflict and Vietnam era only	Other peacetime [6]
			Total [2,3]	No prior wartime service	Total [2,3,4]	No prior wartime service [2]						
All ages	[7] 27,469	[7] 21,846	8,270	7,852	5,034	4,089	9,765	140	5,823	2,473	2,987	363
Under 24 years old	326	-	-	-	-	-	-	-	326	326	-	-
25–29 years old	1,198	50	50	50	-	-	-	-	1,148	1,148	-	-
30–34 years old	1,681	934	934	934	-	-	-	-	747	747	-	-
35–39 years old	2,775	2,596	2,596	2,596	-	-	-	-	179	170	9	-
40–44 years old	3,240	2,909	2,909	2,909	-	-	-	-	331	42	290	-
45–49 years old	2,442	985	931	923	62	62	-	-	1,456	22	1,434	-
50–54 years old	2,754	1,597	335	185	1,412	1,412	-	-	1,157	13	1,112	32
55–59 years old	3,314	3,091	265	41	2,542	2,379	671	-	223	5	119	99
60–64 years old	3,753	3,697	130	10	559	188	3,500	-	56	(Z)	12	43
65 years old and over	5,986	5,787	122	5	459	48	5,594	140	200	-	10	189
Median age [8]	53.9	57.9	40.7	40.3	56.8	56.0	66.0	90.7	45.9	29.1	49.3	66.0

- Represents zero. Z Less than 500. [1] Veterans who served in more than one wartime period are counted only once. Includes Vietnam era (no prior wartime service), Korean conflict (no prior wartime service), World War II, and World War I. [2] Includes 342,000 who served in both the Korean conflict and the Vietnam era. [3] Includes 277,000 who served in the Vietnam era, Korean conflict, and World War II. [4] Includes 668,000 who served in both World War II and the Korean conflict. [5] Service only after May 7, 1975. [6] Includes those who served only between World War I and World War II, and those who served only between World War II and the Korean conflict. [7] There are also 3 living Spanish-American War veterans and an estimated 60 living Mexican Border conflict veterans. [8] Computed from data by single year of age.

No. 558. Disabled Veterans Receiving Compensation: 1970 to 1987

[**In thousands, except as indicated.** As of **end of fiscal year;** see text, section 9. Represents veterans receiving compensation for service-connected disabilities. Totally disabled refers to veterans with any disability, mental or physical, deemed to be total and permanent which prevents the individual from maintaining a livelihood and are rated for disability at 100 percent]

MILITARY SERVICE	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Disabled, all periods [1]	**2,092**	**2,220**	**2,274**	**2,279**	**2,275**	**2,263**	**2,251**	**2,240**	**2,225**	**2,212**
Peace-time	185	194	262	284	302	319	335	352	367	382
World War I [1]	85	55	30	25	22	18	15	12	10	7
World War II	1,416	1,309	1,193	1,168	1,140	1,111	1,080	1,049	1,015	982
Korea	239	240	236	234	231	229	226	223	220	218
Vietnam	167	423	553	568	579	587	595	604	613	623
Totally disabled, all periods [1]	**124**	**123**	**121**	**135**	**138**	**139**	**137**	**136**	**133**	**132**
Peace-time	16	16	20	23	24	25	25	26	26	25
World War I [1]	11	6	3	2	2	2	1	1	1	1
World War II	63	58	51	56	57	58	56	54	51	49
Korea	16	16	16	18	18	17	17	17	16	16
Vietnam	18	26	31	36	37	37	38	38	39	40
Compensation (mil. dol.)	**2,393**	**3,797**	**6,104**	**6,939**	**7,594**	**8,007**	**8,041**	**8,270**	**8,379**	**8,434**

[1] Includes Spanish-American War and Mexican Border service, not shown separately.

Source of tables 557 and 558: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs,* and unpublished data.

No. 559. Veterans Benefits—Expenditures, by Program: 1970 to 1987

[**In millions of dollars. For fiscal years ending in year shown;** see text, section 9. All data are on an accrued expenditure basis]

PROGRAM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total [1]	**10,201**	**18,003**	**23,187**	**25,203**	**26,937**	**28,196**	**28,494**	**30,119**	**31,558**	**32,580**
Compensation and pensions [2]	5,330	7,551	11,257	12,492	13,348	13,881	13,942	14,234	14,390	14,437
Educational assistance and readjustment benefits	1,047	4,529	2,383	2,333	2,001	1,678	1,043	1,169	907	773
Medical services and administ. expenses	[3] 2,009	3,919	6,647	7,199	8,009	8,722	9,123	9,992	10,269	10,641
Hospital and domiciliary construction [4]	75	136	342	456	461	458	486	557	567	589
Insurance and indemnities	1,181	1,345	1,637	1,693	1,701	1,694	1,750	1,853	2,008	2,050
Loan guaranty revolving fund	249	423	445	563	625	1,187	1,511	1,626	2,667	3,330
Direct loans	180	84	49	19	10	8	8	8	9	9
Miscellaneous expenditures	131	17	427	459	562	567	631	679	728	751

[1] Excludes expenditures from personal funds of patients. Includes expenditures from VA Revolving Supply Fund and insurance trust funds. [2] Includes expenditures for statutory burial awards, special clothing allowance, mortgage life insurance, invalid lifts, headstones and markers, and other expenses. [3] Includes National Cancer Institute expenditures (transfer to Veterans Administration). [4] Includes construction grants for State extended care facilities. Beginning 1975, includes expenditures for health manpower training facilities.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs.*

No. 560. Veterans Benefits—Expenditures From Appropriated Funds, by War: Total and 1940 to 1987

[In millions of dollars. For fiscal year ending in year shown; see text, section 9. Refers to expenditures of Veterans Administration and predecessor agencies. See also *Historical Statistics, Colonial Times to 1970*, series Y 971-983]

PERIOD OR YEAR	Total, all wars	Mexican War and Indian Wars	Civil War	Spanish-American War	World War I	World War II	Korean Conflict [1]	Service between Korea and Vietnam only	Vietnam [2]	Peacetime
Total	**[3] 526,512**	**198**	**8,574**	**5,939**	**76,431**	**243,427**	**48,957**	**10,804**	**97,154**	**34,909**
To 1939	[3] 18,914	147	8,356	1,537	8,557	(X)	(X)	(X)	(X)	198
1940-1954	55,719	32	179	2,282	9,261	42,476	823	(X)	(X)	666
1955-1969	87,862	7	34	1,558	25,846	41,109	13,472	1,569	1,331	2,936
1970-1984	277,951	5	5	523	29,036	121,969	25,107	9,235	74,578	17,500
1970	8,905	(Z)	1	54	1,944	3,881	896	481	1,328	318
1971	10,240	(Z)	1	51	1,917	4,317	865	648	2,083	356
1972	11,314	1	1	45	1,980	4,869	905	728	2,571	384
1973	12,817	1	1	40	1,908	5,138	988	791	3,535	415
1974	13,878	1	1	39	1,835	5,439	1,051	848	4,159	505
1975	16,419	1	(Z)	38	1,897	6,196	1,219	1,089	5,392	587
1976	18,796	1	(Z)	39	1,861	7,024	1,378	1,246	6,509	740
1977 [4]	23,063	(Z)	(Z)	45	2,401	9,616	1,900	617	7,447	1,037
1978	19,529	(Z)	(Z)	35	2,001	8,421	1,686	532	5,902	952
1979	20,276	(Z)	(Z)	35	2,096	9,140	1,830	545	5,555	1,075
1980	21,299	(Z)	(Z)	36	2,063	9,841	2,044	614	5,463	1,238
1981	22,863	(Z)	(Z)	18	1,727	10,656	2,309	526	5,889	1,736
1982	24,356	(Z)	(Z)	18	1,653	11,469	2,596	568	6,085	1,966
1983	25,914	(Z)	(Z)	16	1,543	12,024	2,753	(⁵)	6,291	[5] 3,287
1984	28,280	(Z)	(Z)	14	2,212	14,096	2,685	(⁵)	6,369	[5] 2,902
1985	27,540	1	(Z)	15	1,288	12,539	3,084	(⁵)	6,446	[5] 4,167
1986	28,900	3	(Z)	13	1,245	12,652	3,191	(⁵)	7,222	[5] 4,575
1987	29,626	3	(Z)	11	1,196	12,692	3,280	(⁵)	7,577	[5] 4,867

X Not applicable. Z Less than $500,000. [1] June 27, 1950 to Jan. 31, 1955. [2] Service from Aug. 5, 1964, to May 7, 1975. [3] Includes $70 million for the Revolutionary War and $49 million for the War of 1812. [4] 15 months ending Sept 30. [5] Peacetime combined with service between Korea and Vietnam only.

Source: U.S. Veterans Administration, unpublished data.

No. 561. Veterans Compensation and Pension Benefits—Number on Rolls and Average Payment, by Period of Service and Status: 1980 to 1987

[As of Sept. 30. Living refers to veterans receiving compensation for disability incurred or aggravated while on active duty and war veterans receiving pension and benefits for nonservice connected disabilities. Deceased refers to deceased veterans whose dependents were receiving pensions and compensation benefits. See also *Historical Statistics, Colonial Times to 1970*, series Y 998-999]

PERIOD OF SERVICE AND VETERAN STATUS	VETERANS ON ROLLS (1,000)					AVERAGE PAYMENT (annual basis) [1] (dol.)				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Total	**4,646**	**4,123**	**4,006**	**3,879**	**3,808**	**2,370**	**3,335**	**3,505**	**3,647**	**3,741**
Living veterans	3,195	2,980	2,931	2,863	2,844	2,600	3,534	3,686	3,764	3,821
Service connected	2,273	2,251	2,240	2,225	2,212	2,669	3,573	3,692	3,766	3,808
Nonservice connected	922	730	690	658	631	2,428	3,416	3,581	3,735	3,865
Deceased veterans	1,451	1,143	1,075	1,016	964	1,863	2,813	3,066	3,315	3,504
Service connected	358	342	336	331	328	3,801	5,471	5,836	6,100	6,296
Nonservice connected	1,093	801	739	685	636	1,228	1,680	1,809	1,968	2,066
Prior to World War I	14	8	7	6	5	1,432	1,777	1,855	1,979	2,068
Living	(Z)	(Z)	(Z)	(Z)	(Z)	2,634	4,031	4,436	5,920	5,420
Deceased	14	8	7	6	5	1,403	1,749	1,822	1,937	2,025
World War I	692	435	381	334	295	1,683	2,276	2,461	2,664	2,817
Living	198	87	68	53	42	2,669	4,009	4,439	4,906	5,243
Deceased	494	348	313	281	253	1,286	1,841	2,029	2,238	2,415
World War II	2,520	2,180	2,097	2,020	1,943	2,307	3,172	3,317	3,440	3,513
Living	1,849	1,631	1,575	1,518	1,464	2,462	3,331	3,460	3,563	3,621
Deceased	671	549	522	502	479	1,860	2,697	2,888	3,067	3,182
Korean conflict [2]	446	407	399	395	393	2,691	3,918	4,114	4,276	4,389
Living	317	311	309	308	308	2,977	4,119	4,260	4,366	4,457
Deceased	129	96	90	87	86	1,990	3,265	3,615	3,955	4,147
Peace-time	312	387	404	419	433	3,080	3,895	3,973	4,008	3,965
Living	262	335	352	367	382	2,828	3,528	3,589	3,614	3,563
Deceased	50	52	52	52	52	4,399	6,265	6,577	6,802	6,937
Vietnam era [3]	662	707	716	726	738	2,795	3,864	4,021	4,138	4,244
Living	569	616	626	637	649	2,709	3,714	3,849	3,941	4,029
Deceased	93	91	90	89	89	3,324	4,880	5,220	5,546	5,818

Z Fewer than 500. [1] Averages calculated by multiplying average monthly payment by 12. [2] Service during period June 27, 1950, to Jan. 31, 1955. [3] Service from Aug. 5, 1964, to May 7, 1975.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

No. 562. Veterans Administration Health Care Summary: 1980 to 1987

[For years ending Sept. 30]

ITEM	Unit	1980	1985	1987
Facilities operating:				
Hospitals	Number	172	172	172
Domiciliaries	Number	16	16	17
Outpatient clinics	Number	226	226	229
Nursing home units	Number	92	115	117
Employment[1]	1,000	194	203	203
Obligations[2]	Mil. dol	6,215	9,256	9,960
Medical care	Mil. dol	5,972	8,936	9,673
Research in health care	Mil. dol	136	227	210
Prescriptions dispensed	Million	36.7	48.1	54.1
Laboratory procedures	Million	215	173	189
Radiology examinations	Million	5.7	5.4	5.5
Inpatients treated[3]	1,000	1,359	1,435	1,466
VA facilities	1,000	1,275	1,339	1,372
Other facilities	1,000	84	96	94
Average daily inpatients[4]	1,000	105	100	97
VA facilities	1,000	84	75	71
Other facilities	1,000	21	25	26
Outpatient medical visits	Million	18.0	19.6	21.6
VA staff	Million	15.8	17.8	19.8
Fee-basis	Million	2.2	1.8	1.8

[1] Net full-time equivalent. [2] 1980, cost-basis; thereafter, obligation-basis. Includes other obligations not shown separately.

[3] Based on the number of discharges and deaths during the fiscal year, plus the number on the rolls (bed occupants and patients on authorized leave of absence) at the end of the fiscal year. Excludes interhospital transfers. [4] Patients receiving hospital care, or nursing bed care.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs; Directory of VA Facilities*, biennial and unpublished data.

No. 563. Veterans Assistance to Persons in Education and Training Programs: 1975 to 1987

[In thousands. For fiscal years ending in year shown; see text, section 9. Represents persons in training during year]

PROGRAM	1975	1980	1981	1982	1983	1984	1985	1986	1987
Post-Korea Education Assistance[1]	2,692	1,107	949	776	644	528	402	308	239
Institutions of higher education	1,693	842	736	620	517	421	326	257	203
Resident schools other than college	420	149	122	98	88	78	54	35	28
Correspondence schools	387	42	35	21	13	10	7	8	(NA)
On-the-job training	192	74	55	38	25	19	15	8	7
Children's Educational Assistance	71.4	82.6	82.6	80.3	70.9	63.6	55.3	48.4	43.4
Institutions of higher education	64.7	75.5	74.6	72.1	63.7	57.1	50.0	43.9	38.7
Schools other than college	6.3	6.5	7.5	7.8	7.0	6.2	5.2	4.3	3.6
Special restorative training	.1	.1	.1	(Z)	(Z)	.1	(Z)	(Z)	(NA)
On-the-job training	.4	.5	.4	.3	.2	.2	.2	.1	.1
Spouses, Widows/Widowers Educational Assistance Program	16.5	13.0	11.9	10.6	8.8	7.6	6.6	5.9	5.3
Institutions of higher education	12.2	10.8	10.1	9.0	7.5	6.5	5.7	5.0	4.6
Schools other than college	4.3	2.2	1.8	1.6	1.3	1.1	1.0	.9	.7
Vocational Rehabilitation Program for Disabled Veterans	[2] 24.8	25.5	29.8	30.9	30.5	29.0	28.9	25.8	24.6
Institutions of higher education	18.5	18.9	21.7	22.1	21.9	(NA)	(NA)	(NA)	18.0
Schools other than college	4.9	5.6	7.0	7.5	7.5	(NA)	(NA)	(NA)	.6
On-the-job training	1.3	1.0	1.0	.9	.8	(NA)	(NA)	(NA)	.6
Institutional on-farm	.2	.1	.1	.1	.1	(NA)	(NA)	(NA)	(NA)

NA Not available. Z Fewer than 50. [1] Includes some Post-Vietnam veterans. [2] Estimated.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

No. 564. Veterans Guaranteed and Insured Loans: 1970 to 1987

[For fiscal years ending in year shown, see text, section 9. Includes mobile home loans. See section 26 for VA loan characteristics]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Number of loans	1,000	186.2	290.2	297.4	187.6	103.4	245.1	251.6	178.9	313.8	479.5
Home	1,000	186.2	288.2	289.2	176.2	92.9	231.6	236.5	170.0	307.7	474.4
Amount of loans	Mil. dol	3,683	8,091	14,815	10,008	5,542	14,670	15,612	11,452	21,986	34,906
Home	Mil. dol	3,682	8,072	14,653	9,822	5,332	14,380	15,333	11,263	21,833	34,783
Guaranty and insurance	Mil. dol	1,971	3,702	6,370	4,248	2,292	5,736	6,034	4,363	7,896	12,237
Home	Mil. dol	1,971	3,096	6,289	4,155	2,187	5,596	5,885	4,269	7,830	12,180

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.

Section 12

Social Insurance and Human Services

This section presents data related to governmental expenditures for social welfare; governmental programs for old-age, survivors, disability, and health insurance (OASDHI); governmental employee retirement; Individual Retirement Account, Keogh account and private pension plans; government unemployment and temporary disability insurance; Federal supplemental security income payments and aid to the needy; child and other welfare services; and Federal food programs. Also included here are selected data on workers' compensation, including black lung benefits; vocational rehabilitation; child support; child care; and philanthropic trusts and foundations.

The principal source for these data is the Department of Health and Human Services' (HHS) monthly *Social Security Bulletin* which presents current data on many of the programs and summary data in annual statistical supplements. Current data on employment security are published monthly in the Department of Labor's *Unemployment Insurance Statistics*. Data on the Medicare and Medicaid programs appear periodically in the Health Care Financing Administration's *Health Care Financing Review* (quarterly), *Health Care Financing Notes*, and *Health Care Financing Program Statistics*. Statistics on aid to families with dependent children (AFDC) are presented in the U.S. Social Security Administration's monthly publication, *Public Assistance Statistics*.

Social insurance under the Social Security Act.—Programs established by the Social Security Act provide protection against wage loss resulting from retirement, prolonged disability, death, or unemployment, and protection against the cost of medical care during old age and disability. The Federal OASDHI program provides monthly cash benefits to retired or disabled insured workers and their dependents and to survivors of insured workers. To be eligible, a worker must have had a specified period of employment in which OASDHI taxes were paid. A worker becomes eligible for full benefits at age 65, although reduced benefits may be obtained up to 3 years earlier; the worker's spouse is under the same limitations. Survivor benefits are payable to dependents of deceased insured workers. Disability benefits are payable to an insured worker under age 65 with a prolonged disability and to the disabled worker's dependents on the same basis as dependents of retired workers. Also, disability benefits are provided at age 50 to the disabled widow or widower of a deceased worker who was fully insured at the time of death. A lump sum benefit is generally payable on the death of an insured worker to a spouse or minor children.

Since July 1966, the Federal "Medicare" program has provided two coordinated plans for nearly all people age 65 and over: (1) A hospital insurance plan which covers hospital and related services and (2) a voluntary supplementary medical insurance plan, financed partially by monthly premiums paid by participants, which partly covers physicians' and related medical services. Since July 1973, such insurance also applies to disabled beneficiaries of any age after 24 months of eligibility and to persons with chronic kidney disease.

Retirement, survivors, disability, and hospital insurance benefits are funded by a payroll tax on annual earnings (up to a maximum of earnings set by law) of workers, employers, and the self-employed. The maximum taxable earnings are adjusted periodically through Federal legislation to reflect increasing income levels (see table 576). Tax receipts and benefit payments are administered through Federal trust funds. Special benefits for uninsured persons; hospital benefits for persons 65 and over with specified amounts of Social Security coverage less than that required for cash benefit eligibility; and that part of the cost of supplementary medical insurance not financed by contributions from participants are financed from Federal general revenues.

Unemployment insurance is presently administered by the U.S. Employment and Training Administration and each State's employment security agency. By agreement with the U.S. Secretary of Labor, State agencies also administer unemployment compensation for eligible ex-service members and Federal employees, unemployment assistance under the Disaster Relief Act of 1970, workers assistance and relocation allowances under the Trade Act, and, until 1975, direct aid (training and related cash allowances) under Federal manpower acts.

Under State unemployment insurance laws, benefits related to the individual's past earnings are paid to unemployed eligible workers. State laws vary concerning the length of time benefits are paid and their amount. In most States, benefits are payable for 26 weeks and, during periods of high unemployment, extended benefits are payable under a Federal-State program to those who have exhausted their regular State benefits. The basic benefit can vary among States by over 100 percent. Some States also supplement the basic benefit with allowances for dependents.

Unemployment insurance is funded by a Federal unemployment tax levied on the taxable payrolls of most employers. Taxable payroll under the Federal Act and most State laws is the first $7,000 in wages paid each worker during a year. Employers are allowed a percentage credit of taxable payroll for contributions paid to States under State unemployment insurance laws. The remaining percent of the Federal tax finances administrative costs, the Federal share of extended benefits, and advances to States. About 97 percent of wage and salary workers are covered by unemployment insurance.

Retirement Programs for Government Employees.—The Civil Service Retirement System (CSRS) and the Federal Employees' Retirement System (FERS) are the two major programs providing age and service, disability and survivor annuities for Federal civilian employees. In general, employees hired after December 31, 1983 are covered under FERS and the social security program (OASDHI) and employees on staff prior to that date are members of CSRS and are covered under Medicare. CSRS employees were offered the option of transferring to FERS during 1987. There are separate retirement systems for the uniformed services (supplementing OASDHI) and for certain special groups of Federal employees.

State and local government employees are covered for the most part by State and local retirement systems similar to the Federal civil service retirement system. In many jurisdictions these benefits supplement OASDHI coverage.

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Workers' compensation.—All States provide protection against work-connected injuries and deaths, although some States exclude certain workers (e.g., domestic help). Federal laws cover Federal employees, private employees in the District of Columbia, and longshoremen and harbor workers. In addition, the Social Security Administration and the Department of Labor administer a "black lung" benefits program for coal miners disabled by pneumoconiosis and for specified dependents and survivors. Specified occupational diseases are compensable to some extent. In most States, benefits are related to the worker's salary. The benefits may or may not be augmented by dependents' allowances or automatically adjusted to prevailing wage levels.

Public aid.—State-administered public assistance programs (Aid to Families with Dependent Children (AFDC), emergency assistance and general assistance) and the Federal Supplemental Security Income (SSI) program administered by the Social Security Administration provide benefits to persons who qualify. AFDC and emergency assistance are in part federally funded while the costs of general assistance are met entirely with State and local funds.

The SSI program replaced Federal grants for aid to the aged, blind and disabled in the 50 States and the District of Columbia in 1974. Residents of the Northern Mariana Islands became eligible in 1978. Federal grants continue for aid to the aged, blind and disabled in Guam, Puerto Rico and the Virgin Islands. The SSI program provides a minimum income for the aged, blind and disabled and establishes uniform national basic eligibility requirements and payment standards. Most States supplement the basic SSI payment.

Federal Food Stamp program.—Under the Food Stamp program, single persons and those living in households meeting nationwide standards for income and assets may receive coupons redeemable for food at most retail food stores. The monthly amount of coupons a unit receives is determined by household size and income. Households without income receive the determined monthly cost of a nutritionally adequate diet for their household size. This amount is updated to account for food price increases. Households with income receive the difference between the amount of a nutritionally adequate diet and 30 percent of their income, after certain allowable deductions.

To qualify for the program, a household must have less than $2,000 in disposable assets ($3,000 if one member is aged 60 or older), gross income below 130 percent of the official poverty guidelines, and net income below 100 percent of the poverty guidelines. Households with a person aged 60 or older or a disabled person receiving SSI, Social Security, or veterans' disability benefits may have gross income exceeding 130 percent of the poverty guidelines. All households must meet these requirements, even those receiving other Federal assistance payments. Households are certified for varying lengths of time, depending on their income sources and individual circumstances.

Health and welfare services.—Programs providing health and welfare services are aided through Federal grants to States for child welfare services, vocational rehabilitation, activities for the aged, maternal and child health services, maternity and infant care projects, comprehensive health services, and a variety of public health activities.

Under Medicaid, all States (except Arizona) offer basic health services to eligible low-income persons. The cost of providing these services is shared by the Federal Government, but each State determines its own eligibility criteria and may set benefits above the minimum established by Federal law. Almost all recipients of cash welfare programs are automatically eligible. In addition, 31 States extend Medicaid to families that satisfy all but the income requirements for welfare and that either have incomes which meet State definitions of "medically needy" or incur medical expenses which lower their incomes to medically needy levels.

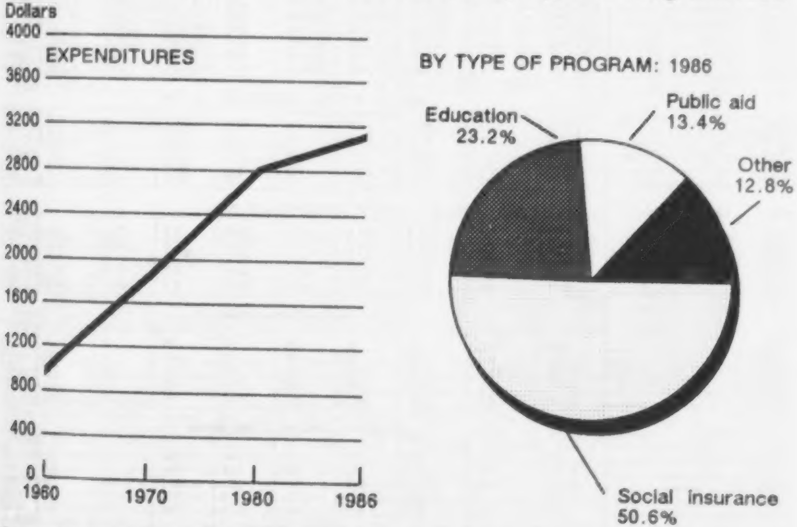
Noncash benefits.—The Bureau of the Census annually collects data on the characteristics of recipients of noncash (in-kind) benefits to supplement the collection of annual money income data in the Current Population Survey (see text, section 1 and section 15). Noncash benefits are those benefits received in a form other than money which serve to enhance or improve the economic well-being of the recipient. As for money income, the data for noncash benefits are for the calendar year prior to the date of the interview and are reported in the *Current Population Reports*, series P-60. The two major categories of noncash benefits covered are public transfers (e.g. Food stamps, school lunch, public housing, and Medicaid) and employer or union-provided benefits to employees.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to HHS and Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Figure 12.1

Social Welfare Expenditures in Constant (1986) Dollars, Per Capita, Under Public Programs: 1960 to 1986; and by Type of Program: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 565.

No. 565. Social Welfare Expenditures Under Public Programs: 1960 to 1986

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Represents outlays from trust funds (mostly social insurance funds built up by earmarked contributions from insured persons, their employers, or both) and budgetary outlays from general revenues. Includes administrative expenditures, capital outlay, and some expenditures and payments outside U.S. See table 566 for program detail. For explanation of annual percent change, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series H 1-47, for related but not comparable data]

YEAR	SOCIAL WELFARE OUTLAYS		Social insurance	Public aid	Health and medical programs[1]	Veterans programs	Education	Housing	Other social welfare	All health and medical care[2]
	Total	Annual percent change								
	TOTAL									
1960	52,293	[3] 9.9	19,307	4,101	4,464	5,479	17,626	177	1,139	6,395
1970	145,856	10.8	54,691	16,488	9,907	9,078	50,845	701	4,145	25,391
1975	290,084	14.7	123,013	41,308	17,783	17,019	80,834	3,172	6,947	52,349
1980	492,528	11.2	229,754	71,799	27,650	21,466	121,050	7,210	13,599	100,284
1981	550,545	11.8	267,395	82,424	30,424	23,441	128,145	6,734	11,983	116,537
1982	594,876	8.1	302,615	80,852	33,218	24,708	133,874	7,954	11,654	130,869
1983	643,437	8.2	331,161	86,644	34,585	25,802	141,815	10,964	12,466	136,742
1984	671,969	4.4	341,120	90,685	37,006	26,275	152,056	11,532	13,295	148,467
1985	730,399	8.7	372,529	96,777	41,060	27,042	166,418	12,627	13,946	167,542
1986	770,522	5.5	390,404	103,079	44,334	27,445	178,518	12,036	14,705	179,614
	FEDERAL									
1960	24,957	[3] 11.3	14,307	2,117	1,737	5,367	868	144	417	2,918
1970	77,337	12.0	45,246	9,649	4,775	8,952	5,876	582	2,259	16,600
1975	167,426	16.7	99,715	27,186	8,521	16,570	8,629	2,541	4,264	34,100
1980	302,631	12.6	191,162	48,666	12,703	21,254	13,452	6,608	8,786	68,801
1981	344,120	13.7	224,574	55,946	13,650	23,229	13,372	6,045	7,304	80,560
1982	367,620	6.8	250,551	52,485	14,528	24,463	11,917	7,176	6,500	90,706
1983	401,413	9.2	274,315	56,709	15,440	25,561	12,399	9,961	7,028	95,719
1984	420,399	4.7	288,743	58,480	16,622	25,970	13,010	10,226	7,349	103,927
1985	452,860	7.7	313,108	61,985	18,630	26,704	13,796	11,088	7,548	118,955
1986	472,364	4.3	326,588	65,615	19,926	27,072	15,022	10,164	7,977	125,730
	STATE AND LOCAL									
1960	27,337	[3] 8.7	4,999	1,984	2,727	112	16,758	33	723	3,478
1970	68,519	9.6	9,446	6,839	5,132	127	44,970	120	1,886	8,791
1975	122,654	12.4	23,298	14,122	9,267	449	72,205	631	2,683	18,248
1980	189,897	9.1	38,592	23,133	14,948	212	107,597	601	4,813	31,482
1981	206,424	8.7	42,821	26,477	16,774	212	114,773	688	4,679	35,977
1982	227,226	10.1	52,063	28,367	18,690	245	121,957	778	5,154	40,164
1983	242,023	6.6	56,846	29,935	19,144	241	129,416	1,003	5,438	41,023
1984	251,569	3.9	52,378	32,206	20,383	301	139,046	1,306	5,946	44,540
1985	277,540	10.3	59,420	34,792	22,430	338	152,622	1,540	6,398	48,587
1986	298,158	7.4	63,816	37,464	24,408	373	163,495	1,872	6,728	53,884
	PERCENT OF TOTAL EXPENDITURES, BY TYPE									
1960	100.0	(X)	36.9	7.8	8.5	10.5	33.7	.3	2.2	12.2
1970	100.0	(X)	37.5	11.3	6.8	6.2	34.9	.5	2.8	17.4
1980	100.0	(X)	46.6	14.6	5.6	4.4	24.6	1.5	2.8	20.4
1985	100.0	(X)	51.0	13.2	5.6	3.7	22.8	1.7	1.9	22.9
1986	100.0	(X)	50.7	13.4	5.8	3.6	23.2	1.6	1.9	23.3
	PERCENT FEDERAL OF TOTAL									
1960	47.7	(X)	74.1	51.6	38.9	98.0	4.9	81.4	36.6	45.6
1970	53.0	(X)	82.7	58.5	48.2	98.6	11.6	83.0	54.5	65.4
1980	61.4	(X)	83.2	67.8	45.9	99.0	11.1	91.7	64.6	68.1
1985	62.0	(X)	84.0	64.0	45.4	98.8	8.3	87.8	54.1	71.0
1986	61.3	(X)	83.6	63.7	44.9	98.6	8.4	84.4	54.2	70.0
	PER CAPITA (Current dollars)[4]									
1960	285	[3] 7.9	105	22	24	30	96	2	6	35
1970	701	9.4	262	79	46	43	245	4	20	122
1980	2,138	11.8	995	312	121	92	526	33	59	437
1985	3,001	7.0	1,528	398	169	110	685	52	57	690
1986	3,138	4.6	1,587	421	181	112	728	49	60	733
	PER CAPITA (Constant (1986) dollars)[4 5]									
1960	990	[3] 5.6	365	76	83	104	333	7	21	122
1970	1,868	6.6	698	210	128	114	653	11	53	325
1980	2,822	4.2	1,313	412	160	121	694	44	78	577
1985	3,065	1.7	1,561	406	173	112	700	53	58	705
1986	3,138	2.4	1,587	421	181	112	728	49	60	733

X Not applicable. [1] Excludes program parts of social insurance, public aid, veterans, and other social welfare.

[2] Combines "Health and medical programs" with medical services included in social insurance, public aid, veterans, vocational rehabilitation, and antipoverty programs. [3] Change from 1955. [4] Excludes payments within foreign countries for education, veterans, OASDHI, and civil service retirement. [5] Constant dollar figures are based on implicit price deflators for personal consumption expenditures published by U.S. Bureau of Economic Analysis; see table 751.

Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1988 and earlier issues.

No. 566. Social Welfare Expenditures, by Source of Funds and Public Program: 1980 to 1986

[In millions of dollars. See headnote, table 565, and *Historical Statistics, Colonial Times to 1970*, series H 1-47, for related but not comparable data]

PROGRAM	1980		1984		1985		1986	
	Federal	State and local	Federal	State and local	Federal	State and local	Federal	State and local
Total	**302,631**	**189,897**	**420,399**	**251,560**	**452,860**	**277,540**	**472,364**	**298,158**
Social insurance	**191,162**	**38,592**	**288,743**	**52,378**	**313,108**	**59,420**	**326,588**	**63,816**
Old-age, survivors, disability, health	152,110	(x)	238,254	(x)	260,469	(x)	271,980	(x)
Health insurance (Medicare)	34,992	(x)	62,481	(x)	72,194	(x)	75,903	(x)
Public employee retirement [1]	26,983	12,507	38,587	20,300	40,504	22,540	41,866	25,043
Railroad employee retirement	4,769	(x)	6,144	(x)	6,276	(x)	6,354	(x)
Unemployment insurance and employment services [2]	4,408	13,919	2,529	13,575	2,604	15,740	2,831	15,719
Other railroad employee insurance [3]	224	(x)	230	(x)	189	(x)	192	(x)
State temporary disability insurance [4]	(x)	1,377	(x)	1,818	(x)	1,944	(x)	2,036
Workers' compensation [5]	2,668	10,789	2,999	16,685	3,067	19,197	3,365	21,017
Hospital and medical benefits	130	3,596	262	5,728	280	6,800	324	7,764
Public aid	**48,666**	**23,133**	**58,480**	**32,206**	**61,985**	**34,792**	**65,615**	**37,464**
Public assistance [6]	23,542	21,346	30,838	30,162	33,523	32,557	36,402	34,968
Medical vendor payments (Medicaid) [7]	14,550	12,844	20,212	19,251	22,677	21,261	24,826	23,149
Social services	1,757	566	2,092	692	2,057	686	2,003	668
Supplemental security income	6,440	1,787	9,094	2,043	9,605	2,235	10,317	2,496
Food stamps	9,083	(x)	12,375	(x)	12,513	(x)	12,397	(x)
Other [8]	9,601	(x)	6,173	(x)	6,344	(x)	6,499	(x)
Health and medical programs	**12,703**	**14,848**	**16,642**	**20,383**	**18,630**	**22,430**	**19,925**	**24,408**
Hospital and medical care	6,478	5,810	9,250	7,052	10,608	7,582	11,448	8,081
Civilian programs	2,378	5,810	2,352	7,052	2,557	7,582	2,679	8,081
Defense Department [9]	4,100	(x)	6,898	(x)	8,051	(x)	8,768	(x)
Maternal and child health programs	354	516	371	690	412	786	395	858
Medical research	4,378	445	5,483	806	6,002	932	6,456	1,075
Medical facilities construction	236	1,904	194	1,968	208	1,793	234	1,581
Other	1,257	6,273	1,344	9,866	1,399	11,335	1,392	12,814
Veterans programs	**21,254**	**212**	**25,970**	**301**	**26,704**	**338**	**27,072**	**373**
Pensions and compensation	11,306	(x)	14,051	(x)	14,333	(x)	14,493	(x)
Health and medical programs	6,204	(x)	8,936	(x)	9,493	(x)	9,923	(x)
Hospital and medical care	5,750	(x)	8,180	(x)	8,809	(x)	9,120	(x)
Hospital construction	323	(x)	566	(x)	458	(x)	617	(x)
Medical and prosthetic research	131	(x)	190	(x)	227	(x)	186	(x)
Education	2,401	(x)	1,402	(x)	1,171	(x)	867	(x)
Life insurance [10]	665	(x)	719	(x)	796	(x)	893	(x)
Welfare and other	679	212	862	301	912	338	896	373
Education	[11] **13,452**	**107,597**	[11] **13,010**	**139,046**	[11] **13,796**	**152,622**	[11] **15,022**	**163,495**
Elementary and secondary	7,430	79,720	6,859	103,408	7,278	113,474	7,472	134,819
Construction [12]	41	5,483	26	7,230	23	8,335	21	5,684
Higher	4,468	21,708	5,048	27,616	5,102	30,343	6,071	28,676
Construction	42	1,466	35	2,236	32	2,685	30	2,638
Vocational and adult [12]	1,207	6,169	1,046	8,023	1,087	8,804	1,208	(NA)
Housing	**6,608**	**601**	**10,226**	**1,306**	**11,088**	**1,540**	**10,164**	**1,872**
Other social welfare	**8,786**	**4,813**	**7,349**	**5,946**	**7,548**	**6,398**	**7,887**	**6,728**
Vocational rehabilitation	1,006	245	1,109	338	1,187	350	1,306	374
Medical services and research	237	56	250	83	275	80	288	75
Institutional care [13]	74	406	118	603	121	654	140	701
Child nutrition [14]	4,209	643	4,271	928	4,349	960	4,588	1,088
Child welfare [15]	57	743	165	(NA)	200	(NA)	198	(NA)
Special CSA and ACTION programs [16]	2,303	(x)	479	(x)	504	(x)	504	(x)
Welfare, not elsewhere classified [17]	1,137	2,774	1,207	4,076	1,188	4,435	1,150	4,564

NA Not available. X Not applicable. [1] Excludes refunds to those leaving service. Federal data include military retirement. [2] Includes compensation for Federal employees and ex-servicemen, trade adjustment and cash training allowance, and payments under extended, emergency, disaster, and special unemployment insurance programs. [3] Unemployment and temporary disability insurance. [4] Cash and medical benefits in 5 areas. Includes private plans where applicable. [5] Benefits paid by private insurance carriers, State funds, and self-insurers. Federal includes black lung benefit programs. [6] Includes payments under State general assistance programs and work incentive activities, not shown separately. [7] Medical vendor payments are those made directly to suppliers of medical care. [8] Refugee assistance, surplus food for the needy, and work-experience training programs under the Comprehensive Employment and Training Act. Beginning 1984, includes low-income energy assistance program. [9] Includes medical care for military dependent families. [10] Excludes servicemen's group life insurance. [11] Includes Federal expenditures for administrative costs (Department of Education) and research, not shown separately. [12] Construction costs of vocational and adult education programs included under elementary-secondary expenditures. [13] Federal expenditures represent primarily surplus foods for nonprofit institutions. [14] Surplus food for schools and programs under National School Lunch and Child Nutrition Acts. [15] Represents primarily child welfare services under title V of the Social Security Act. [16] Includes domestic volunteer programs under ACTION and community action and migrant workers programs under Community Services Administration. [17] Federal expenditures include administrative expenses of the Secretary of Health and Human Services; Indian welfare and guidance; and aging and juvenile delinquency activities. State and local include antipoverty and manpower programs, child care and adoption services, legal assistance, and other unspecified welfare services.

Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1988 and forthcoming issue.

NO. 567. SOCIAL WELFARE EXPENDITURES UNDER PUBLIC PROGRAMS AS PERCENT OF GNP AND TOTAL GOVERNMENT OUTLAYS: 1960 TO 1986

[See headnote, table 565. For explanation of annual percent change, see Guide to Tabular Presentation]

YEAR	TOTAL EXPENDITURES				FEDERAL				STATE AND LOCAL GOVERNMENT			
	Total (bil. dol.)	Annual percent change [1]	Percent of—		Total (bil. dol.)	Annual percent change [1]	Percent of—		Total (bil. dol.)	Annual percent change [1]	Percent of—	
			Total GNP [2]	Total govt. outlays			Total GNP [2]	Total Federal outlays			Total GNP [2]	Total State and local outlays
1960	52.3	9.9	10.3	38.4	25.0	11.3	4.9	28.1	27.3	8.7	5.4	60.1
1970	145.9	10.8	14.7	48.2	77.3	12.0	7.8	40.1	68.5	9.6	6.9	64.0
1975	290.1	14.7	19.0	57.3	167.4	16.7	11.0	52.0	122.7	12.4	8.0	65.3
1980	492.5	11.2	18.5	56.5	302.6	12.6	11.3	54.3	189.9	9.1	7.1	60.8
1985	730.4	8.2	18.5	51.2	452.9	8.4	11.5	47.8	277.5	7.9	7.0	59.0
1986	770.5	5.5	18.4	47.9	472.4	4.3	11.3	47.6	298.2	7.4	7.1	59.2

[1] Change from prior year shown; for 1960, change from 1955. [2] Gross national product.

Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1988.

NO. 568. PUBLIC INCOME-MAINTENANCE PROGRAMS—CASH BENEFIT PAYMENTS: 1970 TO 1987

[Includes payments outside the United States and benefits to dependents, where applicable]

PROGRAM	PAYMENTS (bil. dol.)										PERCENT		
	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1970	1980	198
Total [1]	**60.5**	**138.6**	**228.1**	**241.0**	**282.9**	**298.6**	**308.7**	**329.1**	**346.0**	(NA)	**100.0**	**100.0**	**100.0**
Percent of personal income [2]	7.3	10.6	10.1	9.6	10.6	10.5	9.9	9.9	9.8	(NA)	(X)	(X)	(X)
OASDI [3]	31.6	66.6	120.3	128.7	155.7	166.9	175.5	186.1	193.6	201.7	52.2	52.8	56.1
Public employee retirement [4]	9.2	21.3	40.6	46.4	51.4	55.0	58.6	64.7	69.0	(NA)	15.2	17.8	20.0
Railroad retirement	1.8	3.3	4.9	5.4	5.8	6.0	6.1	6.3	6.4	6.5	2.9	2.1	1.8
Veterans' pensions, compensation	5.5	7.7	11.4	12.5	13.3	13.7	13.8	14.1	14.2	14.3	9.1	5.0	4.1
Unemployment benefits [5]	4.2	18.3	18.9	13.7	21.1	19.2	13.6	14.4	16.0	14.4	7.0	8.3	4.6
Temporary disability benefits	.7	.9	1.4	1.6	1.6	1.6	1.8	1.8	1.9	2.0	1.2	.6	.6
Workers' compensation [6]	2.0	4.6	9.7	10.6	11.3	11.9	13.3	15.1	16.7	(NA)	3.3	4.2	4.8
Public assistance [7]	4.9	9.3	12.1	13.2	13.0	13.9	14.6	15.3	16.1	16.5	8.0	5.3	4.7
Supplemental Security Income [7]	(X)	5.9	7.9	8.5	9.0	9.5	10.4	11.1	12.1	14.8	(X)	3.4	3.5

NA Not available. X Not applicable. [1] Includes lump sum death benefits, not shown separately. [2] For base data, see table 695. [3] Old-age, survivors, and disability insurance under Federal Social Security Act; see text, section 12.

[4] Excludes refunds of contributions to employees who leave service. [5] Beginning 1981, covers State unemployment insurance, Ex-Servicemen's Compensation Act and railroad unemployment insurance only. [6] Includes black lung benefits.

[7] Beginning 1975, Federal grants to States for aid to aged, blind, and disabled replaced by Supplemental Security Income programs; see text, section 12.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly and unpublished data.

NO. 569. HOUSEHOLDS RECEIVING MEANS-TESTED NONCASH BENEFITS, 1980 TO 1986, AND BY POVERTY STATUS, 1986

[Households as of **March** of following year. Covers civilian noninstitutional population, including persons in the Armed Forces living off post or with their families on post. A means-tested benefit program requires that the household's income and/or assets fall below specified guidelines in order to qualify for benefits. The means-tested noncash benefits covered are food stamps, free or reduced-price school lunches, public or subsidized housing, and Medicaid. There are general trends toward under-estimation of noncash beneficiaries. Households are classified according to poverty status of family or nonfamily householder; for explanation of poverty level, see text, section 14. Based on Current Population Survey; see text, section 1, and Appendix III]

TYPE OF BENEFIT RECEIVED	1980, total (1,000)	1983, total (1,000)	1984, total (1,000)	1985, total (1,000)	1986			
					Total (1,000)	Below poverty level		Above poverty level (1,000)
						Number (1,000)	Percent distribution	
Total households	**82,368**	**85,407**	**86,788**	**88,458**	**89,479**	**11,901**	**100.0**	**77,578**
Not receiving noncash benefits	68,102	70,886	72,194	73,992	74,670	4,735	39.8	69,935
Not receiving cash public assistance	67,743	70,645	71,958	73,731	74,406	4,681	39.3	69,725
Receiving cash public assistance [1]	359	241	237	261	263	53	.4	210
Receiving at least one noncash benefit	14,266	14,521	14,594	14,466	14,809	7,166	60.2	7,643
Not receiving cash public assistance	7,860	8,123	7,973	7,860	8,181	3,007	25.3	5,174
Receiving cash public assistance [1]	6,407	6,398	6,621	6,607	6,628	4,159	34.9	2,469
Total households receiving—								
Food stamps	6,769	7,170	7,061	6,779	6,593	4,819	40.5	1,775
School lunch	5,532	5,646	5,637	5,752	5,979	3,058	25.7	2,921
Public housing	2,777	3,234	3,586	3,799	3,789	2,097	17.6	1,692
Medicaid	8,287	8,148	8,323	8,178	8,521	4,893	41.1	3,628

[1] Households receiving money from Aid to Families with Dependent Children program, Supplemental Security Income program or other public assistance programs.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 155 and earlier and forthcoming reports.

No. 570. Cash and Noncash Benefits for Persons With Limited Income: 1985 to 1987

[For years ending September 30, except as noted. Programs covered in this table provide cash, goods, or services to persons who make no payment and render no service in return. In case of job and training programs and some educational benefits, recipients must work or study for wages, training allowances, stipends, grants, or loans. Most of the programs base eligibility on individual, household, or family income, but some use group or area income tests; and a few offer help on the basis of presumed need]

PROGRAM	AVERAGE MONTHLY RECIPIENTS (1,000)			EXPENDITURES (mil. dol.)					
				Total [1]			Federal		
	1985	1986	1987	1985	1986	1987	1985	1986	1987
Total	(X)	(X)	(X)	**143,526**	**148,705**	**158,735**	**105,404**	**108,289**	**114,912**
edical care [2]	(X)	(X)	(X)	49,581	52,997	60,882	27,737	29,771	34,956
Medicaid [3]	[4] 21,814	[4] 22,516	[4] 23,335	41,150	44,442	50,010	22,844	24,767	27,980
Veterans [5]	[6] 504	[6] 361	[6] 369	[7] 3,053	[7] 3,183	[7] 5,035	[7] 3,053	[7] 3,183	[7] 5,035
General assistance	(NA)	(NA)	(NA)	[7] 3,125	[7] 3,259	[7] 3,370	-	-	-
Indian Health Services	[6] 931	[6] 990	[6] 1,017	862	854	929	862	854	929
Maternal and child health services	(NA)	(NA)	(NA)	783	749	813	478	457	497
Community health centers	[8] 5,200	[8] 5,350	[8] 5,500	383	396	420	383	396	420
ash aid [2]	(X)	(X)	(X)	36,119	40,952	42,542	24,969	26,887	27,925
A.F.D.C. [3] [9]	10,813	10,995	11,064	16,738	17,757	18,440	8,909	9,536	9,987
Supplemental Security Income [3]	4,305	4,450	4,569	11,857	12,823	13,743	[10] 9,803	[10] 10,306	[10] 10,832
Pensions for needy veterans [11]	[12] 1,489	[12] 1,397	[12] 1,311	3,842	3,874	3,793	3,842	3,874	3,793
General assistance	[7] 1,323	[7] 1,334	[7] 1,193	[7] 2,499	[7] 2,636	[7] 2,537	-	-	-
Earned income tax credit	[7] 17,313	[7] 19,197	[7] 18,807	1,645	2,084	2,053	1,645	2,084	2,053
ood benefits [2]	(X)	(X)	(X)	20,391	20,226	21,004	19,362	19,146	19,837
Food stamps [3] [13]	21,400	20,900	20,600	13,470	13,441	12,479	12,599	12,529	12,479
School lunch program [14]	[15] 11,500	[15] 11,600	[15] 11,600	[16] 2,665	[16] 2,948	[16] 3,281	[16] 2,665	[16] 2,948	[16] 3,281
Women, infants and children [17]	3,138	3,312	3,430	1,500	1,581	1,664	1,500	1,561	1,664
Temporary emergency food assistance	(NA)	[18] 15,000	(NA)	1,327	771	896	1,327	771	896
Nutrition program for elderly [19]	[8] 3,630	[8] 3,584	[8] 3,522	614	625	649	456	457	478
ousing benefits [2]	(X)	(X)	(X)	14,113	13,245	13,191	14,113	13,245	13,191
Lower-income housing asst. (Sec. 8)	[20] 2,010	[20] 2,143	[20] 2,240	6,818	7,430	8,125	6,818	7,430	8,125
Low-rent public housing	[20] 1,355	[20] 1,380	[20] 1,390	3,406	2,882	2,161	3,406	2,882	2,161
Rural housing loans	[21] 41	[21] 26	[21] 24	[22] 1,790	[22] 1,155	[22] 1,144	[22] 1,790	[22] 1,155	[22] 1,144
Interest reduction payments	[21] 528	[21] 529	[21] 528	619	633	638	619	633	638
Rural rental housing loans	[21] 26	[21] 21	[21] 17	[22] 903	[22] 652	[22] 555	[22] 903	[22] 652	[22] 555
ucation aid [2]	(X)	(X)	(X)	9,970	10,589	10,223	9,516	10,101	9,722
Pell grants	[23] 2,797	[23] 2,881	[23] 2,745	[24] 2,800	[24] 3,862	[24] 3,580	[24] 2,800	[24] 3,862	[24] 3,580
Guaranteed student loans	[23] 3,477	[23] 3,242	[23] 3,300	[25] 3,888	[25] 3,288	[25] 3,179	[25] 3,888	[25] 3,288	[25] 3,179
Head Start	448	448	447	1,309	1,266	1,378	1,047	1,013	1,102
College Work-Study Program	[23] 737	[23] 728	[23] 753	[24] 555	[24] 593	[24] 587	[24] 555	[24] 593	[24] 587
Supplemental Educational Opportunity Grants	[23] 720	[23] 686	[23] 689	[24] 375	[24] 413	[24] 395	[24] 375	[24] 413	[24] 395
bs and training [2]	(X)	(X)	(X)	3,976	3,699	3,653	3,895	3,626	3,782
Training for disadvantaged adults and youth [26]	[27] 350	[27] 337	[27] 393	[28] 1,866	[28] 1,783	[28] 1,840	[28] 1,866	[28] 1,783	[28] 1,840
Summer youth employment program [26]	[29] 785	[29] 634	[29] 723	[28] 725	[28] 636	[28] 750	[28] 725	[28] 636	[28] 750
Job Corps [26]	[27] 41	[27] 41	[27] 41	[28] 617	[28] 613	[28] 656	[28] 617	[28] 613	[28] 656
Senior community service employment program	[30] 64	[30] 61	[30] 66	[28] 362	[28] 346	[28] 373	[28] 326	[28] 312	[28] 336
Work incentive program	[31] 1,013	[31] 870	[31] 914	297	234	140	267	211	126
rvices [2]	(X)	(X)	(X)	5,084	4,844	5,126	3,551	3,390	3,607
Social services (Title 20) [32]	(NA)	(NA)	(NA)	4,258	4,038	4,219	2,725	2,584	2,700
Community services block grant	(X)	(X)	(X)	372	355	409	372	355	409
ergy assistance [2]	(X)	(X)	(X)	2,292	2,153	2,104	2,261	2,103	1,892
Low-income energy assistance [3]	[33] 6,800	[33] 6,700	[33] 6,300	[34] 2,095	[34] 1,985	[34] 1,938	2,070	1,921	1,731

- Represents zero. NA Not available. X Not applicable. [1] Includes State and local government expenditures not own separately. [2] Includes other programs not shown separately. [3] Expenditure data include administrative expenses. Unduplicated annual number. [5] Medical care for veterans with a non-service-connected disability. [6] Estimated number of ients discharged from hospital during year. [7] Estimated. [8] Annual numbers. [9] Aid to Families with Dependent Children ogram. Excludes data for foster care program and child support operations (cost and collections). [10] Excludes Federal sums ent for SSI (State supplements) to Indochinese refugees. [11] Includes dependents and survivors. [12] Estimate as of ptember. [13] Includes Puerto Rico's nutritional assistance program. [14] Free and reduced-price segments. [15] Estimated ily average. [16] Includes estimate of commodity assistance. [17] Special supplemental food program for women, infants and ildren. [18] Estimate. As of October. [19] No income test required but preference given to those with greatest need. Units eligible for payment at end of year. [21] Represents total families or dwelling units during year. [22] Amount of loans igated. [23] Total numbers for the school year ending in year shown. [24] Appropriation available for school year ending the al year named. [25] Net obligations for school year beginning in fiscal year named. [26] Programs represent specific titles der the Job Training and Partnership Act (JTPA). [27] Average monthly enrollment for program year. [28] Federal funds are propriations. [29] Total participants (June–August). [30] Annual number of jobs authorized. [31] New registrants only. Non-Federal expenditure data are rough estimates. [33] Number of households that received heating aid. [34] State nding includes funds received as "oil overcharge" settlements.

Source: Library of Congress, Congressional Research Service, "Cash and Noncash Benefits for Persons With Limited Income: gibility Rules, Recipient and Expenditure Data, FY 1985–87," Report No. 88–526 EPW, August 1988.

No. 571. Social Insurance and Related Programs—Cash Beneficiaries and Benefits, by Program: 1980 to 1986

[Includes some beneficiaries and benefit payments for some programs in outlying areas. OASDHI=Old-age, survivors, disability, and health insurance, Federal programs under Social Security Act; see text, section 12. Partly estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 125–171]

PROGRAM	BENEFICIARIES [1] (1,000)					AMOUNT OF BENEFITS (mil. dol.)				
	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
Total	(X)	(X)	(X)	(X)	(X)	207,797	275,108	283,238	302,827	318,43
Percent of personal income	(X)	(X)	(X)	(X)	(X)	9.2	9.7	9.1	9.1	9.0
Retirement [2]	(X)	(X)	(X)	(X)	(X)	113,252	161,327	175,504	188,760	200,18
OASDHI	22,267	24,749	25,237	25,739	26,157	77,905	114,048	123,804	132,298	140,418
Public employee retirement	4,208	4,657	5,128	5,313	5,495	32,416	43,581	47,938	52,600	55,822
Federal civil service	913	1,015	1,057	1,122	1,166	10,227	14,003	15,245	16,111	16,792
Other Federal employee [3]	1,149	1,239	1,261	1,263	1,299	11,397	14,854	15,316	16,078	16,352
State and local government	2,146	2,403	2,809	2,907	3,030	10,792	14,724	17,377	20,411	22,677
Railroad retirement	569	580	582	586	575	2,931	3,696	3,762	3,862	3,943
Disability [2] [4]	(X)	(X)	(X)	(X)	(X)	39,659	48,060	48,505	52,054	56,18
OASDHI	4,729	3,875	3,806	3,873	3,715	15,437	17,530	17,732	18,647	18,824
Public employee retirement	720	786	730	689	692	5,371	7,351	6,221	6,697	7,583
Federal civil service	355	395	363	332	326	2,885	3,913	3,221	3,404	3,548
Other Federal employee [3]	157	145	144	144	144	1,275	1,452	1,436	1,459	1,497
State and local government	208	246	223	213	222	1,211	1,987	1,565	1,834	[illegible]
Railroad retirement	95	89	87	85	84	564	674	681	696	706
Veterans Admin. programs [3]	3,194	3,030	2,985	2,933	2,894	8,602	10,489	10,578	10,748	10,866
Workers' compensation	(NA)	(NA)	(NA)	(NA)	(NA)	7,245	9,514	10,845	12,584	14,132
Black lung benefit program	252	134	172	156	140	1,077	871	822	795	[illegible]
Temporary disability:										
State insurance [5]	199	224	191	67	148	1,300	1,580	1,584	1,844	1,577
Railroad insurance	14	13	11	11	12	63	50	42	43	52
Survivor monthly benefits	(X)	(X)	(X)	(X)	(X)	34,986	45,615	44,851	46,296	45,712
OASDHI	8,260	7,310	7,196	7,162	7,127	26,654	35,164	33,917	34,607	33,765
Public employee retirement	763	842	836	872	911	2,895	4,078	4,431	4,766	5,089
Federal civil service	439	503	490	501	516	1,930	2,677	3,006	3,177	3,311
Other Federal employee [3]	71	93	104	114	128	301	496	553	616	677
State and local government	253	246	242	257	267	664	903	872	975	1,084
Railroad retirement	330	310	322	311	289	1,372	1,671	1,679	1,702	1,722
Veterans Admin. programs [3]	1,465	1,227	1,157	1,082	1,035	2,755	3,192	3,230	3,310	3,375
Workers' compensation	(NA)	(NA)	(NA)	(NA)	(NA)	675	810	885	960	1,101
Black lung benefit program	158	200	151	148	144	635	700	710	730	[illegible]
Lump-sum payments	(X)	(X)	(X)	(X)	(X)	964	823	738	956	1,312
OASDHI	(X)	(X)	(X)	(X)	(X)	395	205	168	143	136
Public employee retirement	(X)	(X)	(X)	(X)	(X)	377	491	434	680	1,046
Federal civil service	(X)	(X)	(X)	(X)	(X)	23	34	37	34	47
Other Federal employee	(X)	(X)	(X)	(X)	(X)	3	5	6	6	8
State and local government	(X)	(X)	(X)	(X)	(X)	352	452	391	640	992
Railroad retirement	(X)	(X)	(X)	(X)	(X)	14	11	11	9	10
Veterans Admin. programs [6]	(X)	(X)	(X)	(X)	(X)	178	116	123	124	120
Unemployment	(X)	(X)	(X)	(X)	(X)	18,935	19,281	13,643	14,761	16,116
State unemployment insurance [7]	2,830	2,337	2,167	2,409	2,391	18,756	18,992	13,495	14,629	15,986
Railroad unemployment insurance	38	43	28	29	24	179	289	148	132	129

NA Not available. X Not applicable. [1] For old-age, survivors, disability, and health insurance, average monthly number; for public employee retirement systems, railroad retirement program, veterans programs, and the black lung benefit program, number on rolls June 30; for State unemployment and temporary disability insurance, average weekly number; for railroad unemployment and temporary disability insurance, average number during 14-day registration period. [2] Includes benefits to dependents where applicable. [3] Benefits for career military personnel (those with 20 years' service) are paid by the U.S. Dept. of Defense and are included under "Other Federal employee". [4] Excludes payments for medical care. [5] Payable in CA, NJ, NY, RI, and PR under public and private plans. Data for beneficiaries in NJ not available. [6] Lump sums are for burial of deceased veterans. [7] Includes payments made by the States as agents of the Federal Government under the Federal employees' unemployment compensation program and under the Ex-Servicemen's Compensation Act of 1958, and payment under the extended unemployment insurance programs, the Trade Expansion Act of 1962, the Disaster Relief Act of 1970 and the Trade Act of 1974. Beginning 1983, payments cover State unemployment insurance and Ex-Servicemen's Compensation Act only. Beneficiaries relate to regular State unemployment insurance, Federal employee (1980), and ex-servicemen programs only. Includes Puerto Rico.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

NO. 572. ESTIMATED WORKERS UNDER SOCIAL INSURANCE PROGRAMS: 1960 TO 1987

[In millions. As of December, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series H 51–56]

EMPLOYMENT AND COVERAGE STATUS	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total labor force [1] [2]	**73.1**	**86.2**	**96.2**	**109.1**	**110.7**	**112.7**	**113.5**	**115.7**	**117.5**	**119.8**	**122.0**
Paid civilian population	64.6	77.6	86.0	98.9	99.0	98.4	102.2	105.5	107.7	110.3	113.7
Unpaid family workers	1.4	.8	.7	.6	.5	.5	.6	.5	.4	.3	.4
Unemployed	4.5	2.6	7.3	7.4	9.0	11.6	9.0	8.0	7.7	7.5	6.5
Armed Forces [2]	2.5	3.4	2.2	2.1	2.2	2.2	1.7	1.7	1.7	1.7	1.7
Civilian population covered by:											
Public retirement programs	**60.9**	**75.3**	**83.7**	**96.4**	**96.4**	**95.7**	**99.5**	**104.7**	**106.9**	**109.7**	**113.3**
OASDHI [3]	55.4	69.2	77.0	89.3	89.5	88.9	92.7	97.5	99.7	102.5	106.1
Railroad retirement	.9	.6	.5	.5	.5	.4	.4	.4	.3	.3	.3
Public employees retirement [4]	4.6	5.5	6.2	6.6	6.4	6.4	6.4	6.8	6.9	6.9	6.9
Unemployment insurance	**43.7**	**55.8**	**69.7**	**87.2**	**86.9**	**87.9**	**91.3**	**95.8**	**98.2**	**100.2**	**103.7**
Workers' compensation	**44.6**	**59.0**	**68.6**	**79.1**	**78.6**	**78.1**	**80.5**	**83.4**	**85.1**	**87.2**	**(NA)**
Temporary disability insurance	**11.3**	**14.6**	**15.7**	**18.4**	**18.4**	**18.1**	**18.7**	**19.3**	**19.8**	**20.3**	**(NA)**

NA Not available. [1] Data from U.S. Bureau of Labor Statistics and based on U.S. Bureau of the Census' Current Population Survey; see text, section 1, and Appendix III. [2] Excludes Armed Forces overseas beginning 1983. [3] OASDHI=Old-age, survivors, disability, and health insurance. Excludes members of Armed Forces and railroad employees. [4] Data represent yearly averages. Excludes State and local government employees covered by both OASDHI and their own retirement program.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin.*

NO. 573. SELECTED SOCIAL INSURANCE PROGRAMS—ESTIMATED PAYROLLS OF COVERED EMPLOYMENT IN RELATION TO WAGES AND SALARIES: 1970 TO 1986

[In billions of dollars, except percent. Data for Federal civilian and military personnel cover all areas. Gross amount before deduction of social insurance contributions. OASDHI: Old-age, survivors, disability, and health insurance programs under Social Security Act; see text, section 12. See also *Historical Statistics, Colonial Times to 1970*, series H 57–69]

PROGRAM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total earnings [1]	615	896	1,370	1,534	1,613	1,717	1,868	2,074	2,232	2,379
All wages and salaries [1]	549	806	1,238	1,357	1,493	1,586	1,686	1,837	1,975	2,069
Civilian	526	783	1,211	1,327	1,458	1,528	1,619	1,775	1,926	2,039
Payrolls covered by:										
Retirement programs [2]	528	783	1,207	1,326	1,451	1,531	1,614	1,767	1,904	2,016
OASDHI [3] [4]	480	713	1,118	1,229	1,348	1,422	1,500	1,649	1,779	1,885
Railroad retirement [3]	6	8	12	13	13	12	12	13	13	12
Federal civil service	26	37	48	52	56	59	62	65	70	73
State and local government	53	87	118	131	142	154	166	178	175	190
Unemployment insurance [3]	389	653	1,134	1,243	1,367	1,503	1,582	1,731	1,870	1,983
Workers' compensation program [5]	437	672	1,041	1,136	1,247	1,301	1,382	1,516	1,618	1,725
Net earnings in self-employment covered by OASDHI	48	70	100	97	94	98	106	120	122	132
Percent of civilian payrolls covered by—										
OASDHI [3] [6]	90.9	91.1	92.3	92.6	92.5	93.1	92.6	92.9	92.4	92.5
Railroad retirement [3]	1.2	1.1	1.0	1.0	.9	.8	.7	.7	.7	.6
Federal civil service retirement	5.0	4.7	4.0	3.9	3.8	3.9	3.8	3.7	3.6	3.6
State and local government retirement	10.1	11.1	9.7	9.9	9.7	10.1	10.3	10.1	9.1	9.3
Unemployment insurance [3]	73.7	83.4	93.6	93.7	93.8	98.4	97.7	97.5	97.1	97.3
Workers' compensation programs [5]	82.8	85.8	84.6	86.7	85.6	85.1	85.4	85.4	84.0	84.6

[1] Data from U.S. Bureau of Economic Analysis. Earnings include self-employed; wages and salaries represent civilian and military pay in cash and in kind. [2] Adjusted for duplication in coverage by both OASDHI and State and local government retirement systems. [3] Taxable plus estimated nontaxable wages and salaries. [4] Includes Armed Forces in all areas. [5] Payrolls of employers insured with private carriers, State funds, or self-insured, and pay covered by Federal programs in all areas. [6] Percent computed after excluding Armed Forces payroll covered by OASDHI.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

NO. 574. SELECTED SOCIAL INSURANCE PROGRAMS—SOURCE OF FUNDS FROM CONTRIBUTIONS AND TRANSFERS: 1970 TO 1987

[In millions of dollars]

PROGRAM AND SOURCE OF FUNDS	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Social Security trust funds:										
Old-age and survivors insurance (OASI)	30,705	57,241	103,996	123,301	124,353	143,878	167,062	182,368	194,325	[illegible]
Employer	14,489	27,184	49,731	58,972	59,105	63,935	78,110	83,662	90,261	[illegible]
Employee	14,204	26,947	49,436	58,656	58,918	63,731	73,991	83,400	89,796	[illegible]
Self-employed	1,564	2,684	4,289	4,999	5,649	5,049	6,632	7,720	8,756	[illegible]
Government [1]	449	425	540	675	680	11,162	867	2,529	485	[illegible]
Tax credits [2]	(X)	(X)	(X)	(X)	(X)	(X)	4,607	1,829	1,605	[illegible]
Taxation of benefits [3]	(X)	(X)	(X)	(X)	(X)	(X)	2,835	3,208	3,424	[illegible]
Disability insurance (DI)	4,497	7,534	13,385	16,906	22,199	19,112	16,135	18,430	18,637	[illegible]
Employer	2,154	3,562	6,307	8,074	10,597	8,379	7,536	8,119	8,703	[illegible]
Employee	2,117	3,530	6,254	8,035	10,574	8,339	7,134	8,087	8,658	[illegible]
Self-employed	210	352	694	629	824	830	741	776	856	[illegible]
Government [1]	16	90	130	168	174	1,565	92	1,048	31	[illegible]
Tax credits [2]	(X)	(X)	(X)	(X)	(X)	(X)	441	178	152	[illegible]
Taxation of benefits [3]	(X)	(X)	(X)	(X)	(X)	(X)	190	222	236	[illegible]
Hospital insurance (HI) [4]	5,820	12,316	24,982	34,157	35,976	41,283	43,571	48,036	55,648	58,772
Employer	2,379	5,578	11,591	16,087	16,791	18,187	20,396	22,613	25,966	[illegible]
Employee	2,332	5,530	11,518	16,015	16,734	18,128	20,356	22,549	25,879	[illegible]
Self-employed	169	385	739	856	1,061	943	1,361	1,970	2,306	[illegible]
Government [1]	874	670	671	900	1,015	3,639	699	47	657	[illegible]
Supplementary medical insurance (SMI) [5]	2,189	4,566	10,468	15,013	15,981	19,097	22,221	23,863	23,524	[illegible]
Aged	1,096	1,759	2,707	3,356	3,341	3,845	4,721	5,105	5,218	[illegible]
Disabled	(X)	158	30[illegible]	366	356	391	445	506	504	[illegible]
Government	1,093	2,648	7,455	11,291	12,284	14,861	17,054	18,250	17,802	[illegible]
Railroad retirement [6]	968	1,506	2,630	2,627	3,304	3,604	[4] 4,803	[4] 4,966	[4] 4,811	(NA)
Employer	510	1,146	1,722	1,817	2,036	2,014	2,379	2,417	2,419	(NA)
Employee	439	356	594	684	858	849	1,022	1,110	1,120	(NA)
Government [1]	19	4	313	126	410	741	1,068	1,099	873	(NA)
Federal civil service	3,870	9,507	19,986	22,554	23,964	25,124	25,566	27,160	(NA)	(NA)
Employer (Federal and DC govt.)	2,001	6,905	16,220	18,506	19,736	20,673	20,900	22,472	(NA)	(NA)
Employee [7]	1,869	2,600	3,766	4,048	4,228	4,451	4,666	4,688	(NA)	(NA)
State and local government [8]	7,895	14,560	25,654	27,896	30,782	32,790	34,309	(NA)	(NA)	(NA)
Employer (government)	4,920	9,880	18,776	20,190	22,366	24,050	25,305	(NA)	(NA)	(NA)
Employee	2,975	4,660	6,878	7,706	8,416	8,740	9,004	(NA)	(NA)	(NA)

NA Not available. X Not applicable.

[1] Represents cost of gratuitous military service wage credits and, for OASI only, Federal payments for special age-72 benefits. For HI only, also includes transfers of appropriations for HI benefits of persons not insured for cash benefits under OASI, DI, or railroad retirement and, beginning 1980, transfers for Professional Standards Review Organization expenditures. Beginning 198 includes taxes on deemed wage credits for military service performed after 1956. [2] See footnotes 4, 5, and 6, table 57

[3] Revenues arising from application of income tax to up to half of the social security benefits of beneficiaries who have substantial amounts of other income. Minus sign (–) indicates tax refunds. [4] Includes other sources not shown separately.

[5] Includes premiums paid on behalf of eligibles by State governments under "buy-in" arrangements. [6] Excludes HI contributions and includes employer contributions to supplement benefit account. [7] Includes voluntary contributions to purchase additional annuity. [8] Estimated.

NO. 575. SOCIAL SECURITY (OASDI)—COVERED EMPLOYMENT AND EARNINGS: 1970 TO 1987

[Includes Puerto Rico, Virgin Islands, American Samoa, and Guam. OASDI: Old-age, survivors, and disability insurance. Represents all reported employment. Data are estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 172-185]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Living covered workers [1]	Million	133.5	145.2	159.0	161.5	163.4	165.6	167.6	169.5	171.4	173.3
With insured status [2]	Million	105.3	120.0	136.7	140.3	142.9	144.5	145.9	147.9	150.5	152.7
Male	Million	61.7	68.1	75.4	76.8	77.7	78.2	78.8	79.6	80.6	81.5
Female	Million	43.6	51.9	61.3	63.5	65.1	66.2	67.2	68.3	69.9	71.2
Under 25 years old	Million	17.7	21.6	25.3	26.0	25.3	24.4	23.1	22.2	21.9	21.4
25–34 years old	Million	22.2	28.5	34.8	36.4	37.[illegible]	38.0	38.6	39.3	40.1	40.7
35–44 years old	Million	19.0	19.1	22.4	23.1	24.4	25.9	27.2	28.6	29.9	31.3
45–54 years old	Million	19.2	19.4	18.7	18.6	18.6	18.6	18.8	19.0	19.3	19.8
55–61 years old	Million	10.5	11.6	12.6	12.7	12.8	12.8	12.7	12.6	12.6	12.4
62–64 years old	Million	3.7	4.2	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2
65–69 years old	Million	5.0	5.9	6.7	6.8	7.0	7.0	7.1	7.3	7.5	7.6
70 years old and over	Million	8.0	9.7	11.7	12.0	12.6	13.0	13.4	13.8	14.0	14.3
Workers reported with—											
Taxable earnings [3]	Million	93	100	114	116	113	113	119	122	126	[illegible]
Maximum earnings [3]	Million	24	15	10	9	8	7	7	7	7	7
Earnings in covered employment	Bil. dol	532	787	1,321	1,448	1,512	1,606	1,770	1,907	2,036	[illegible]
Reported taxable [3]	Bil. dol	416	665	1,175	1,301	1,357	1,449	1,603	1,719	1,844	[illegible]
Percent of total	Percent	78.2	84.5	88.9	89.8	89.7	90.1	90.6	90.1	90.5	[illegible]
Average per worker:											
Total earnings	Dollar	5,711	7,854	11,558	12,521	13,431	14,183	14,926	15,653	16,371	[illegible]
Taxable earnings [3]	Dollar	4,464	6,634	10,282	11,250	12,048	12,776	13,522	14,113	14,810	[illegible]

[1] Estimated number of persons who had covered employment at any time during the period 1937 to year shown; not adjusted to reflect effect of (a) provisions that coordinate the OASDI and railroad retirement programs and (b) wage credits for military service. Only partially adjusted to eliminate duplicate count of persons with taxable earnings reported on more than one account number; effect of such duplication is substantially less significant for the insured than for the uninsured. Includes persons currently insured and not insured, not shown separately. [2] Fully insured for retirement and/or survivor benefits as of beginning of year.

[3] Includes self-employment. See table 576 for maximum taxable earnings.

Source of tables 574 and 575: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin* and unpublished data.

No. 576. Social Security (OASDHI)—Contribution Rates: 1970 to 1990

[As of January 1, except as noted. Effect of changes represents first full-year effect on contributions of changes in taxable wage base and combined tax rate. OASDI=Old-age, survivors, and disability insurance; HI=Hospital insurance]

YEAR	Annual maximum taxable earnings (dol.)	Maximum tax (dol.)	CONTRIBUTION RATES (percent): Each employer and employee: Total	OASDI	HI	Self-employed: Total	OASDI	HI	Supplementary medical insurance, monthly rate (dol.)	EFFECT ON CONTRIBUTIONS OF CHANGES IN WAGE BASE AND/OR TAX RATE (bil. dol.): Total	Wage base	Tax rate
In effect:												
1970	7,800	374	4.80	4.20	.60	6.90	6.30	.60	[1] 5.30	(²)	(²)	(²)
1975	14,100	825	5.85	4.95	.90	7.90	7.00	.90	6.70	1.4	1.4	(²)
1980	25,900	1,588	6.13	5.08	1.05	8.10	7.05	1.05	[1] 9.60	3.6	3.6	(²)
1981	29,700	1,975	6.65	5.35	1.30	9.30	8.00	1.30	[1] 11.00	16.9	4.2	12.7
1982	32,400	2,171	6.70	5.40	1.30	9.35	8.05	1.30	[1] 12.20	4.1	2.8	1.3
1983	35,700	2,392	6.70	5.40	1.30	9.35	8.05	1.30	12.20	3.1	3.1	(²)
1984	37,800	[3] 2,533	[4] 7.00	5.70	1.30	[5] 14.00	11.40	2.60	14.60	[6] 10.9	1.9	[6] 9.0
1985	39,600	2,792	7.05	5.70	1.35	[5] 14.10	11.40	2.70	15.50	3.4	1.7	1.7
1986	42,000	3,003	7.15	5.70	1.45	[5] 14.30	11.40	2.90	15.50	6.2	2.5	3.7
1987	43,800	3,132	7.15	5.70	1.45	[5] 14.30	11.40	2.90	17.90	2.2	2.2	(²)
1988	45,000	3,380	7.51	6.06	1.45	[5] 15.02	12.12	2.90	24.80	16.4	1.3	15.1
1989	(⁷)	(⁷)	7.51	6.06	1.45	[5] 15.02	12.12	2.90	(NA)	(NA)	(NA)	(NA)
Future schedule:												
1990 and thereafter	(⁷)	(⁷)	7.65	6.20	1.45	15.30	12.40	2.90	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Effective July 1. [2] No increase occurred. [3] Employee's maximum tax; see footnote 4. [4] Employee pays 6.7 percent. Employee's additional .3 percent is supplied from general revenues. [5] Self-employed pays 11.3 percent in 1984, 11.8 percent in 1985, 12.3 percent in 1986 and 1987, and 13.02 percent in 1988 and 1989. The additional amount is supplied from general revenues. [6] $4.5 billion of this increase was offset by employee tax credit. [7] Will be adjusted by Federal law to reflect increasing average earnings levels.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

No. 577. Social Security Trust Funds: 1970 to 1987

[In millions of dollars, except percent. See also *Historical Statistics, Colonial Times to 1970*, series H 238–242]

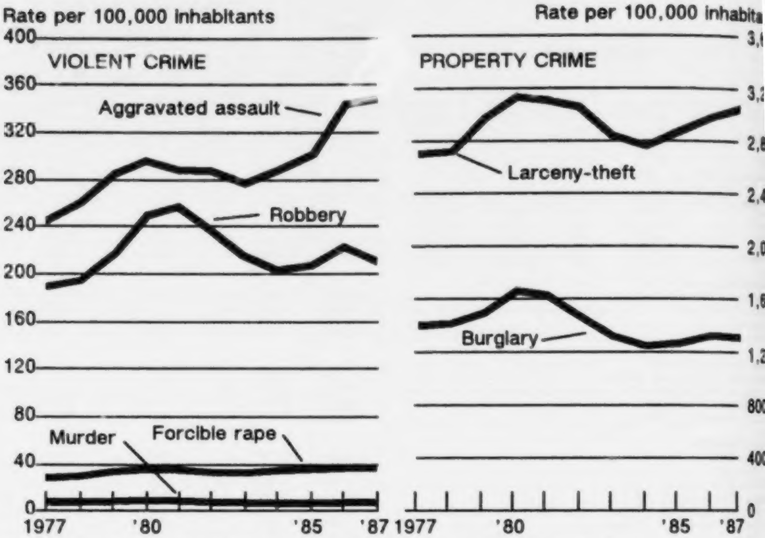
TYPE OF TRUST FUND	1970	1975	1980	1982	1983	1984	1985	1986	1987
Old-age and survivors insurance (OASI):									
Net contribution income [1]	30,256	56,816	103,456	123,673	138,337	166,957	180,165	194,165	205,992
Transfers from general revenue [2]	449	425	540	680	5,541	105	2,203	160	55
Interest received [3]	1,515	2,364	1,845	845	6,706	2,566	1,871	3,069	4,660
Benefit payments [4]	26,798	58,517	105,083	[5] 138,806	149,221	157,841	167,248	176,813	183,587
Assets, end of year	32,454	36,987	22,823	[6] 22,088	[6] 19,672	[6] 27,117	[6] 35,842	39,081	62,149
Reserve ratio [7] (percent)	111	62	21	16	13	17	21	22	33
Disability insurance (DI):									
Net contribution income [1]	4,481	7,444	13,255	21,995	17,991	16,135	17,413	18,637	19,855
Transfers from general revenue [2]	16	90	130	174	1,121	-	1,017	-	-
Interest received [3]	277	502	485	546	1,569	1,174	870	803	848
Benefit payments [4]	3,085	8,505	15,515	[5] 17,376	17,524	17,898	18,827	19,853	20,519
Assets, end of year	5,614	7,354	3,629	[8] 2,691	[8] 5,195	[8] 3,959	[8] 6,321	7,780	6,658
Reserve ratio [7] (percent)	174	84	23	15	29	21	33	38	31
Hospital insurance (HI):									
Net contribution income [1] [9]	4,881	11,509	23,866	34,610	38,169	42,468	47,617	54,626	58,367
Transfers from general revenue [10]	874	670	871	1,015	2,756	752	47	657	447
Interest received [3]	158	663	1,149	2,022	3,285	3,150	3,362	3,619	4,874
Benefit payments	5,124	11,315	25,064	35,631	39,337	43,257	47,460	49,758	49,496
Assets, end of year	3,202	10,517	13,749	[11] 8,164	[11] 12,858	[11] 15,691	[11] 20,499	39,957	53,732
Reserve ratio [7] (percent)	61	91	54	23	32	36	42	79	107
Supplementary medical insurance (SMI):									
Net premium income	1,096	1,918	3,011	[12] 3,697	4,236	5,167	5,613	5,722	7,409
Transfers from general revenue	1,093	2,648	7,455	[12] 12,284	14,861	17,054	18,250	17,602	23,560
Interest received	12	106	408	599	725	959	1,243	1,141	875
Benefit payments	1,975	4,273	10,635	15,455	18,106	19,661	22,947	26,239	30,820
Assets, end of year	188	1,444	4,530	6,230	7,070	9,696	10,924	8,291	8,394
Reserve ratio [7] (percent)	8	30	40	38	37	47	46	30	26

- Represents zero. [1] Includes deposits by States and deductions for refund of estimated employee-tax overpayment. Beginning in 1983, includes government contributions on deemed wage credits for military service in 1957 and later. Beginning 1984 includes tax credits on wages paid in 1984 and net earnings from self-employment in 1984–87; and taxation of benefits. [2] Includes payments (1) for costs of noncontributory wage credits for military service performed before 1957; (2) in 1975–82, for costs of deemed wage credits for military service performed after 1956; and, for OASI only, (3) for costs of benefits to certain uninsured persons who attained age 72 before 1968. [3] Beginning in 1983, includes interest on advance tax transfers and interest on reimbursement for unnegotiated checks. Data for 1983 and 1984 reflect interest on deemed wage credits for military service performed after 1956. Data for 1982–1986 reflect interest on interfund borrowing. [4] Includes payments for vocational rehabilitation services furnished to disabled persons receiving benefits because of their disabilities. Beginning in 1983, amounts reflect deductions for unnegotiated benefit checks. [5] Data adjusted to reflect 12 months of benefit payments. [6] Includes $18 billion borrowed from the DI and HI Trust Funds. Repayments on Jan. 31, 1985, reduced such amounts to $13.2 billion. [7] Assets at end of year as a percentage of benefit payments and administrative expenses during the year. [8] Excludes $5 billion lent to the OASI Trust Fund. Repayment on Jan. 31, 1985, reduced the total to $2.5 billion. [9] Beginning in 1975, includes premiums from aged ineligibles enrolled in HI. [10] Represents Federal Government transfers from general-fund appropriations to meet costs of benefits for persons not insured for cash benefits under OASDI-HI or railroad retirement and for costs of benefits arising from military wage credits. [11] Excludes $12 billion lent to the OASI Trust Fund. Repayment on Jan. 31, 1985, reduced the total to $10.6 billion. [12] Data adjusted to reflect 12 months of premium and general revenue income.

Source: U.S. Social Security Administration, *Annual Report of Board of Trustees, OASI, DI, HI, and SMI Trust Funds*. Also published in *Social Security Bulletin*, monthly.

Figure 5.1

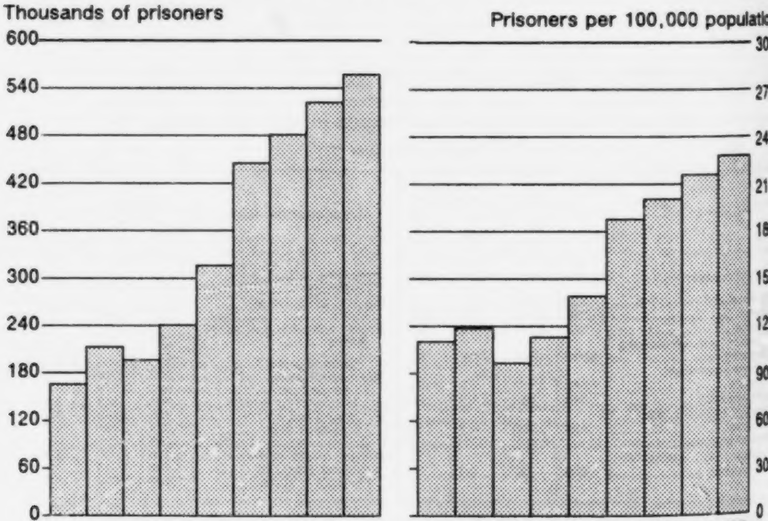
Selected Crime Rates: 1977 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 277.

Figure 5.2

Federal and State Prisoners: 1950 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 318.

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Section **5**

Law Enforcement, Courts, and Prisons

This section presents data on crimes committed, victims of crimes, arrests, and data related to criminal violations, andthe criminal justice system. The major sources of these data are the Bureau of Justice Statistics (BJS) and the Federal Bureau of Investigation (FBI). BJS issues several reports, including *Sourcebook of Criminal Justice Statistics, Criminal Victimization in the United States, Prisoners in State and Federal Institutions, Children in Custody, National Survey of Courts, Census of State Correctional Facilities and Survey of Prison Inmates, Census of Jails and Survey of Jail Inmates, Parole in the United States, Capital Punishment,* and the annual *Expenditure and Employment Data for the Criminal Justice System.* The Federal Bureau of Investigation's major annual report is *Crime in the United States,* which presents data on reported crimes as gathered from State and local law enforcement agencies.

Other major sources of these data include: *Annual Report of the Director, Federal Court Management Statistics, Federal Offenders,* and *Sentences Imposed Chart* issued by the Administrative Office of the U.S. Courts; *Governmental Finances and Public Employment,* issued annually by the Bureau of the Census; and the *Statistical Report,* issued annually by the Federal Bureau of Prisons.

Legal jurisdiction and law enforcement.—Law enforcement is, for the most part, a function of State and local officers and agencies. The U.S. Constitution reserves general police powers to the States. By act of Congress, Federal offenses include only offenses against the U.S. Government and against or by its employees while engaged in their official duties, and offenses which involve the crossing of State lines or an interference with interstate commerce. Excluding the military, there are 52 separate criminal law jurisdictions in the United States: 1 in each of the 50 States, 1 in the District of Columbia, and the Federal jurisdiction. Each of these has its own criminal law and procedure and its own law enforcement agencies. While the systems of law enforcement are quite similar among the States, there are often substantial differences in the penalties for like offenses.

Law enforcement can be divided into three parts: Investigation of crimes and arrests of persons suspected of committing them; prosecution of those charged with crime; and the punishment or treatment of persons convicted of crime.

Crime.—There are two major approaches taken in determining the extent of crime. One perspective is provided by the FBI through its Uniform Crime Reporting Program (UCR). The FBI receives monthly and annual reports from law enforcement agencies throughout the country, currently representing 97 percent of the national population. Each month, city police, sheriffs, and State police file reports on the number of index offenses that become known to them. The FBI Crime Index offenses are as follows: *Murder and nonnegligent manslaughter,* is based on police investigations, as opposed to the determination of a medical examiner or judicial body, includes willful felonious homicides, and excludes attempts and assaults to kill, suicides, accidental deaths, justifiable homicides, and deaths caused by negligence; *forcible rape* includes forcible rapes and attempts; *robbery* includes stealing or taking anything of value by force or violence or threat of force or violence and includes attempted robbery; *aggravated assault* includes assault with intent to kill; *burglary* includes any unlawful entry to commit a felony or a theft and includes attempted burglary and burglary followed by larceny; *larceny* includes theft of property or articles of value without use of force and violence or fraud and excludes embezzlement, "con games," forgery, etc.; *motor vehicle theft* includes all cases where vehicles are driven away and abandoned, but excludes vehicles taken for temporary use and returned by the taker. Arson was added as the eighth Index offense in April 1979 following a Congressional mandate. *Arson* includes any willful or malicious burning or attempt to burn with or without intent to defraud, a dwelling house, public building, motor vehicle or aircraft, personal property of another, etc.

The monthly Uniform Crime Reports also contain data on crimes cleared by arrest and on characteristics of persons arrested for all criminal offenses. In summarizing and publishing crime data, the FBI does not vouch for the validity of the reports it receives, but presents the data as information useful to persons concerned with the problem of crime and criminal-law enforcement.

National Crime Survey (NCS)—A second perspective on crime is provided by the National Crime Survey (NCS) of the Bureau of Justice Statistics. The NCS includes offenses reported to the police, as well as those not reported (see table below for percent of victimizations reported to the police). Details about the crimes come directly from the victims. No attempt is made to validate the information against police records or any other source. The NCS measures rape, robbery, assault, household and personal larceny, burglary, and motor vehicle theft.

Murder and kidnaping are not covered. Commercial burglary and robbery were dropped from the program during 1977. The so-called victimless crimes, such as drunkenness, drug abuse, and prostitution, also are excluded, as are crimes for which it is difficult to identify knowledgeable respondents or to locate data records.

Crimes of which the victim may not be aware also cannot be measured effectively. Buying stolen property may fall into this category, as may some instances of embezzlement. Attempted crimes of many types probably are under recorded for this reason. Events in which the victim has shown a willingness to participate in illegal activity also are excluded.

In any encounter involving a personal crime, more than one criminal act can be committed against an individual. For example; a rape may be associated with a robbery; or a household offense, such as a burglary, can escalate into something more serious in the event of a personal confrontation. In classifying the survey-measured crimes, each criminal incident has been counted only once—by the most serious act that took place during the incident and ranked in accordance with the seriousness classification system used by the Federal Bureau of Investigation. The order of seriousness for crimes against persons is as follows: Rape, robbery, assault, and larceny. Consequently, if a person were both robbed and assaulted, the event would be classified as robbery; if the victim suffered physical harm, the crime would be categorized as robbery with injury. Personal crimes take precedence over household offenses.

A *victimization,* basic measure of the occurrence of crime, is a specific criminal act as it affects a single victim. The number of victimizations is determined by the number of victims of such acts. Victimization counts serve as key elements in computing rates of victimization. For crimes against persons, the rates are based on the total number of individuals age 12 and over or on a portion of that population sharing a particular characteristic or set of traits. As general indicators of the danger of having been victimized during the reference period, the rates are not sufficiently refined to represent true measures of risk for specific individuals or households. For further details regarding the NCS, see *Criminal Victimization in the United States,* by the U.S. Bureau of Justice Statistics.

An *incident* is a specific criminal act involving one or more victims; therefore the number of incidents of personal crime is lower than that of victimizations.

NCS estimates appearing in 1980 and earlier reports made use of population controls derived from the 1970 census. Thereafter, population estimates based on the 1980 census were used. Victimization rates, key measures of the occurrence of crime, and all percentages generally were unaffected by the change in the estimation procedure. Thus, the vast majority of data appearing after 1980 are compatible with data in previous NCS reports.

POLICE REPORTING RATES FOR PERSONAL AND HOUSEHOLD CRIMES: 1975 TO 1986

[Percent of victimization reported to the police]

SECTOR AND TYPE OF CRIME	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	198
Personal sector:											
Crimes of violence	47.2	46.1	44.2	45.1	47.1	46.6	48.2	47.2	46.6	47.9	48.6
Rape	56.2	58.4	48.8	50.5	41.4	55.7	52.8	47.0	56.0	61.0	48.1
Robbery	53.3	55.5	50.5	55.5	56.8	55.8	56.2	52.6	54.6	53.5	58.3
Robbery with injury	65.0	66.1	65.4	62.2	69.6	66.6	67.1	66.3	60.8	63.5	70.8
Robbery without injury	47.9	49.6	43.6	52.0	50.1	50.7	51.2	45.9	51.2	49.3	51.7
Assault	45.2	43.5	42.7	42.4	44.9	43.7	45.9	45.8	44.3	46.4	47.6
Crimes of theft	26.3	24.8	24.6	24.0	26.9	26.7	26.9	26.5	26.3	27.4	28.0
Personal larceny with contact	34.5	37.2	33.7	35.6	35.7	40.4	32.7	35.9	31.5	33.2	38.4
Personal larceny without contact	26.0	24.5	24.3	23.6	26.5	26.2	26.7	26.1	26.1	27.1	27.6
Household sector:											
Household burglary	48.6	48.8	47.1	47.6	51.3	51.1	49.3	48.7	49.4	49.7	52.3
Household larceny	27.1	25.4	24.5	25.1	27.5	26.2	26.8	25.4	26.8	26.8	27.7
Motor vehicle theft	71.1	68.4	66.1	68.2	69.3	66.6	72.4	68.5	68.8	70.6	73.0

Courts.—Court statistics on criminal offenses and the outcome of prosecutions are incomplete for the country as a whole, although data are available for many States individually. The only national compilations of such statistics were made by the Bureau of the Census for 1932 to 1945 covering a maximum of 32 States.

The bulk of civil and criminal litigation in the country is commenced and determined in the various State courts. Only when the U.S. Constitution and acts of Congress specifically confer jurisdiction upon the Federal courts may civil litigation be heard and decided by them. Generally, the Federal courts have jurisdiction over the following types of cases: Suits or proceedings by or against the United States; civil actions between private parties arising under the Constitution, laws, or treaties of the United States; civil actions between private litigants who are citizens of different States; civil cases involving admiralty, maritime, or prize jurisdiction; and all matters in bankruptcy.

There are several types of courts with varying degrees of legal jurisdiction. These jurisdictions include original, appellate, general, and limited or special. A *court of original jurisdiction* is one having the authority initially to try a case and pass judgment on the law and the facts; a *court of appellate jurisdiction* is one with the legal authority to review cases and hear appeals; a *court of general jurisdiction* is a trial court of unlimited original jurisdiction in civil and/or criminal cases, also called a "major trial court"; a *court of limited or special jurisdiction* is a trial court with legal authority over only a particular class of cases, such as probate, juvenile, or traffic cases.

The 94 Federal courts of original jurisdiction are known as the U.S. district courts. One or more of these courts is established in every State and one each in the District of Columbia, Puerto Rico, the Virgin Islands, the Northern Mariana Islands, and Guam. Appeals from the district courts are taken to intermediate appellate courts of which there are 13, known as U.S. courts of appeals and the United States Court of Appeals for the Federal Circuit. The Supreme Court of the United States is the final and highest appellate court in the Federal system of courts.

Juvenile offenders.—For statistical purposes, the FBI and most States classify as juvenile offenders persons under the age of 18 years who have committed a crime or crimes.

Delinquency cases are all cases of youths referred to a juvenile court for violation of a law or ordinance or for seriously "antisocial" conduct. Several types of facilities are available for those adjudicated delinquent, ranging from the short-term physically unrestricted environment to the long-term very restrictive atmosphere.

Prisoners.—Data on prisoners in Federal and State prisons and reformatories were collected annually by the Bureau of the Census until 1950, by the Federal Bureau of Prisons until 1971, transferred then to the Law Enforcement Assistance Administration, and, in 1979, to the Bureau of Justice Statistics. Adults convicted of criminal activity may be given a prison or jail sentence. A *prison* is a confinement facility having custodial authority over adults sentenced to confinement of more than one year. A *jail* is a facility, usually operated by a local law enforcement agency, holding persons detained pending adjudication and/or persons committed after adjudication to one year or less. Nearly every State publishes annual data either for its whole prison system or for each separate State institution.

Naturalizations.—Most aliens acquire U.S. citizenship under the general provisions of the Immigration and Nationality Act of 1952, as amended. As specified by that Act, the requirements a prospective citizen must meet relate to residency, language proficiency, moral character, loyalty to the United States, attachment to the principles of the Constitution, etc. Spouses and children of U.S. citizens can be naturalized under less stringent conditions. In certain cases, an administrative, judicial, legislative, or executive waiver of the requirements may be obtained. Naturalization statistics are also maintained by INS.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability pertaining to the National Crime Survey and Uniform Crime Reporting Program, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 277. CRIMES AND CRIME RATES, BY TYPE: 1978 TO 1987

[Data refer to offenses known to the police. Rates are based on Bureau of the Census estimated resident population as of July 1, except 1980, enumerated as of **April 1.** Annual totals for years prior to 1984 were adjusted in 1984 and may not be consistent with those in prior editions. See source for details. Minus sign (–) indicates decrease. For definitions of crimes, see text, section 5. See *Historical Statistics, Colonial Times to 1970,* series H 952-961 for related data]

ITEM AND YEAR	Total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Murder [1]	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny—theft	Motor vehicle theft
Number of offenses (1,000):										
1978	11,209	1,086	19.6	67.6	427	571	10,123	3,128	5,991	1,004
1979	12,250	1,208	21.5	76.4	481	629	11,042	3,328	6,601	1,11
1980	13,408	1,345	23.0	83.0	566	673	12,064	3,795	7,137	1,132
1981	13,424	1,362	22.5	82.5	593	664	12,062	3,780	7,194	1,088
1982	12,974	1,322	21.0	78.8	553	669	11,652	3,447	7,143	1,062
1983	12,109	1,258	19.3	78.9	507	653	10,851	3,130	6,713	1,008
1984	11,882	1,273	18.7	84.2	485	685	10,609	2,984	6,592	1,032
1985	12,431	1,329	19.0	88.7	498	723	11,103	3,073	6,926	1,103
1986	13,212	1,489	20.6	91.5	543	834	11,723	3,241	7,257	1,224
1987	13,509	1,484	20.1	91.1	518	855	12,025	3,236	7,500	1,288
Percent change, number of offenses:										
1978–1987	20.5	36.7	2.8	34.8	21.3	49.6	18.8	3.4	25.2	28.3
1983–1987	11.6	18.0	4.1	15.4	2.2	30.9	10.8	3.4	11.7	27.8
1986–1987	2.2	–.3	–2.5	–.4	–4.6	2.5	2.6	–.2	3.3	5.3
Rate per 100,000 inhabitants:										
1978	5,140	498	9.0	31.0	196	262	4,643	1,435	2,747	461
1979	5,566	549	9.7	34.7	218	286	5,017	1,512	2,999	506
1980	5,950	597	10.2	36.8	251	299	5,353	1,684	3,167	502
1981	5,858	594	9.8	36.0	259	290	5,264	1,650	3,140	475
1982	5,604	571	9.1	34.0	239	289	5,033	1,489	3,085	456
1983	5,175	538	8.3	33.7	217	279	4,637	1,338	2,869	431
1984	5,031	539	7.9	35.7	205	290	4,492	1,264	2,791	437
1985	5,207	557	7.9	37.1	209	303	4,651	1,287	2,901	462
1986	5,480	618	8.6	37.9	225	346	4,863	1,345	3,010	508
1987	5,550	610	8.3	37.4	213	351	4,940	1,330	3,081	529
Percent change, rate per 100,000 inhabitants:										
1978–1987	8.1	22.5	–7.8	20.6	8.6	34.0	6.4	–7.3	12.2	15.0
1983–1987	7.3	13.4	-	11.0	–1.8	25.8	6.5	–.6	7.4	22.8
1986–1987	1.4	–1.3	–3.5	–1.3	–5.5	1.5	1.6	–1.1	2.4	4.3

- Represents zero. [1] Includes nonnegligent manslaughter.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States,* annual.

NO. 278. CRIMES AND CRIME RATES, BY TYPE AND AREA: 1986 AND 1987

[**In thousands, except rate.** Rate per 100,000 population; see headnote, table 277. Estimated totals based on reports from city and rural law enforcement agencies representing 96 percent of the national population. For definitions of crimes, see text, section 5]

TYPE OF CRIME	1986						1987					
	MSA's [1]		Other cities		Rural areas		MSA's [1]		Other cities		Rural areas	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Total	**11,482**	**6,236**	**1,097**	**4,793**	**631**	**1,854**	**11,748**	**6,294**	**1,115**	**4,898**	**648**	**1,90**
Violent crime	**1,348**	**732**	**80**	**350**	**60**	**175**	**1,344**	**720**	**80**	**351**	**60**	**17**
Murder and nonnegligent manslaughter	18	10	1	5	2	5	17	9	1	5	2	6
Forcible rape	79	43	5	22	6	18	79	42	6	24	6	19
Robbery	527	286	11	4[illegible]	5	15	501	269	11	50	5	15
Aggravated assault	725	394	63	274	47	137	746	400	62	272	47	139
Property crime	**10,134**	**5,504**	**1,017**	**4,443**	**572**	**1,678**	**10,404**	**5,574**	**1,035**	**4,548**	**588**	**1,72**
Burglary	2,781	1,510	239	1,046	221	649	2,771	1,485	237	1,042	228	670
Larceny—theft	6,213	3,374	731	3,191	314	921	6,428	3,444	751	3,303	321	943
Motor vehicle theft	1,140	619	47	206	37	108	1,205	646	46	203	37	110

[1] For definition, see text, Appendix II.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States,* annual.

No. 279. Crime Rates by State, 1985 to 1987, and by Type, 1987

[**Offenses known to the police per 100,000 population.** Based on Bureau of the Census estimated resident population as of **July 1,** except **April 1, 1980** census counts. For definitions of crimes, see text, section 5. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	1985, total	1986, total	1987									
			Total	Violent crime					Property crime			
				Total	Murder [1]	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny—theft	Motor vehicle theft
U.S	**5,207**	**5,480**	**5,550**	**609**	**8.3**	**37.4**	**213**	**351**	**4,940**	**1,330**	**3,081**	**529**
Region:												
Northeast	4,627	4,732	4,839	636	6.9	29.3	284	316	4,204	1,031	2,544	629
Midwest	4,674	4,834	4,908	504	6.7	37.1	173	287	4,403	1,088	2,889	426
South	5,256	5,709	5,893	607	10.0	39.3	192	366	5,286	1,565	3,238	483
West	6,405	6,644	6,460	715	8.5	42.9	223	440	5,746	1,524	3,590	632
N.E	**4,487**	**4,503**	**4,599**	**421**	**3.4**	**27.2**	**139**	**252**	**4,177**	**1,074**	**2,447**	**656**
ME	3,672	3,461	3,532	153	2.5	15.7	26	108	3,380	771	2,436	173
NH	3,252	3,330	3,372	149	3.0	26.6	26	93	3,222	695	2,311	216
VT	3,888	3,977	4,271	137	2.7	22.4	17	95	4,135	1,110	2,826	199
MA	4,758	4,723	4,734	565	3.0	31.9	177	353	4,169	1,060	2,185	924
RI	4,723	4,902	5,285	360	3.5	24.4	108	224	4,925	1,441	2,701	783
CT	4,705	4,829	4,996	419	4.9	24.9	178	211	4,576	1,218	2,829	529
M.A	**4,675**	**4,810**	**4,921**	**708**	**8.0**	**30.0**	**333**	**337**	**4,212**	**1,016**	**2,577**	**619**
NY	5,589	5,768	5,952	1,007	11.3	31.1	503	462	4,944	1,216	3,025	703
NJ	5,094	5,241	5,261	541	4.6	33.4	233	270	4,720	1,009	2,866	845
PA	3,037	3,102	3,163	368	5.4	26.2	144	193	2,794	722	1,723	349
E.N.C	**4,939**	**5,061**	**5,114**	**572**	**7.6**	**41.8**	**206**	**316**	**4,542**	**1,124**	**2,930**	**488**
OH	4,187	4,359	4,575	421	5.8	39.9	153	222	4,155	1,063	2,709	383
IN	3,914	3,855	4,120	329	5.6	29.1	89	205	3,792	947	2,490	355
IL	5,384	5,555	5,417	795	8.3	38.4	314	435	4,621	1,124	2,957	540
MI	6,366	6,491	6,457	780	12.2	67.2	277	424	5,677	1,452	3,473	752
WI	4,017	4,097	4,169	250	3.5	19.8	66	160	3,920	843	2,830	247
W.N.C	**4,046**	**4,296**	**4,417**	**344**	**4.4**	**26.1**	**95**	**219**	**4,073**	**1,002**	**2,792**	**279**
MN	4,134	4,362	4,616	286	2.6	33.9	103	146	4,330	1,069	2,960	301
IA	3,943	4,151	4,140	231	2.1	11.9	36	181	3,909	918	2,840	151
MO	4,366	4,654	4,707	544	8.3	28.9	164	343	4,162	1,111	2,625	426
ND	2,679	2,605	2,833	57	1.5	9.4	8	38	2,776	455	2,198	123
SD	2,641	2,716	2,678	120	1.8	20.6	12	85	2,558	534	1,928	96
NE	3,695	3,856	4,132	252	3.5	21.6	47	179	3,880	848	2,866	166
KS	4,375	4,823	4,904	361	4.4	32.6	82	242	4,543	1,138	3,152	253
S.A	**5,375**	**5,724**	**5,915**	**673**	**10.0**	**39.6**	**217**	**406**	**5,243**	**1,514**	**3,276**	**453**
DE	4,961	4,832	4,939	432	5.1	68.5	123	235	4,506	1,020	3,176	312
MD	5,373	5,602	5,478	768	9.6	39.6	290	428	4,709	1,162	2,965	582
DC [2]	8,007	8,339	8,452	1,609	36.2	39.4	717	817	6,841	1,808	4,021	1,012
VA	3,779	3,860	3,959	295	7.4	26.0	106	156	3,664	807	2,603	254
WV	2,253	2,317	2,191	138	4.8	22.6	31	79	2,054	604	1,288	162
NC	4,121	4,332	4,650	484	8.1	29.1	94	353	4,166	1,356	2,586	224
SC	4,841	5,137	5,162	665	9.3	43.7	101	511	4,497	1,358	2,858	281
GA	5,110	5,455	5,792	576	11.8	43.1	209	312	5,215	1,552	3,171	492
FL	7,574	8,228	8,503	1,024	11.4	50.2	357	606	7,479	2,257	4,545	677
E.S.C	**3,651**	**3,910**	**4,058**	**448**	**9.0**	**31.5**	**123**	**284**	**3,611**	**1,162**	**2,124**	**325**
KY	2,947	3,092	3,270	338	7.5	21.0	90	219	2,932	847	1,892	193
TN	4,167	4,534	4,666	534	9.1	43.9	194	287	4,132	1,352	2,213	567
AL	3,942	4,288	4,451	550	9.3	27.8	112	410	3,892	1,198	2,431	263
MS	3,266	3,345	3,439	269	10.2	29.2	57	173	3,168	1,201	1,807	160
W.S.C	**5,991**	**6,706**	**6,901**	**596**	**10.7**	**43.2**	**191**	**351**	**6,305**	**1,873**	**3,813**	**619**
AR	3,585	3,925	4,245	413	7.6	32.6	79	293	3,834	1,078	2,549	207
LA	5,564	6,078	5,873	693	11.1	35.9	179	467	5,181	1,445	3,323	413
OK	5,425	6,014	6,026	419	7.5	35.8	110	265	5,608	1,783	3,220	605
TX	6,569	7,408	7,722	632	11.7	48.1	227	345	7,091	2,118	4,238	735
Mt.	**6,183**	**6,323**	**6,161**	**464**	**6.2**	**36.9**	**109**	**312**	**5,696**	**1,402**	**3,935**	**359**
MT	4,549	4,479	4,599	151	4.1	19.8	24	103	4,448	806	3,404	238
ID	3,908	4,207	4,156	214	3.1	17.5	24	169	3,942	977	2,798	167
WY	4,015	4,357	4,031	283	2.0	31.4	20	230	3,749	718	2,892	139
CO	6,919	7,032	6,451	468	5.8	40.8	119	302	5,984	1,535	4,013	436
NM	6,486	6,626	6,547	628	10.1	43.1	108	467	5,919	1,788	3,785	346
AZ	7,116	7,321	7,189	612	7.5	41.2	138	425	6,576	1,626	4,527	423
UT	5,317	5,476	5,619	230	3.3	21.7	53	152	5,388	951	4,228	209
NV	6,575	6,290	6,371	695	8.4	61.8	272	353	5,675	1,629	3,491	555
Pac	**6,486**	**6,761**	**6,567**	**804**	**9.4**	**45.1**	**264**	**486**	**5,763**	**1,567**	**3,466**	**730**
WA	6,529	6,880	7,017	439	5.6	52.2	141	240	6,578	1,905	4,278	395
OR	6,730	7,081	6,969	540	5.6	45.8	196	292	6,430	1,783	4,182	465
CA	6,518	6,763	6,506	918	10.6	43.8	301	562	5,588	1,518	3,240	830
AK	5,877	6,246	5,378	455	10.1	65.0	73	307	4,922	970	3,466	486
HI	5,201	5,671	5,818	263	4.8	36.3	98	124	5,555	1,156	4,033	366

[1] Includes nonnegligent manslaughter. [2] Includes offenses reported by the police at the National Zoo.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States,* annual.

NO. 280. CRIME RATES, BY TYPE—SELECTED CITIES: 1987

[**Offenses known to the police per 100,000 population, as of July 1.** For definitions of crimes, see text, section 5]

CITY	Crime index, total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Murder	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny—theft	Motor vehicle theft
Total, 11,435 agencies	**6,204**	**690**	**8.8**	**40**	**234**	**373**	**5,226**	**1,408**	**3,253**	**564**
Total, 7,721 cities	**7,560**	**868**	**10.2**	**46**	**315**	**446**	**6,279**	**1,602**	**3,968**	**709**
Selected cities:										
Baltimore, MD	8,570	1,869	29.5	78	976	785	6,701	1,762	3,964	976
Chicago, IL	(1)	(1)	22.9	(1)	990	1,133	6,950	1,690	3,945	1,315
Dallas, TX	16,263	1,969	32.0	125	900	932	14,294	3,885	8,442	1,966
Detroit, MI	12,681	2,545	62.8	130	1,383	969	10,136	3,381	4,023	2,732
Houston, TX	9,392	1,090	18.6	67	557	447	8,302	2,563	4,092	1,647
Indianapolis, IN	6,342	949	11.9	90	279	568	5,393	1,827	2,786	780
Los Angeles, CA	8,634	1,910	24.3	65	784	1,307	6,723	1,584	3,431	1,708
Memphis, TN	9,674	1,339	21.7	126	712	479	8,336	2,797	3,482	2,057
New York, NY	9,013	2,036	23.0	48	1,083	882	6,977	1,694	3,969	1,313
Philadelphia, PA	5,734	1,055	20.5	67	564	404	4,679	1,217	2,533	929
Phoenix, AZ	8,997	877	11.9	54	245	566	8,121	2,270	5,219	632
San Antonio, TX	12,926	662	18.9	92	354	197	12,264	3,591	7,194	1,480
San Diego, CA	8,476	875	9.2	39	332	495	7,601	1,669	4,188	1,744
San Francisco, CA	7,532	1,211	13.4	59	606	532	6,321	1,256	4,059	1,006
Washington, DC	8,444	1,610	36.2	39	717	817	6,833	1,807	4,014	1,012

[1] The rates for 1987 for forcible rape, violent crime and crime index total are not shown because the forcible rape figures were not in accordance with national Uniform Crime Reporting guidelines.

NO. 281. MURDER CIRCUMSTANCES/MOTIVES AND WEAPONS USED OR CAUSE OF DEATH: 1980 TO 1987

[Based solely on police investigation. For definition of murder, see text, section 5]

CIRCUMSTANCE	1980	1984	1985	1986	1987	TYPE OF WEAPON OR CAUSE OF DEATH	1980	1984	1985	1986	1987
Murders, total	**21,860**	**17,260**	**17,545**	**19,257**	**17,859**	**Murders, total**	**21,860**	**17,260**	**17,545**	**19,257**	**17,859**
PERCENT DISTRIBUTION						PERCENT DISTRIBUTION					
Felonies, total	17.7	18.1	17.9	19.4	19.6	Guns	62.4	59.0	58.7	59.1	59.2
Robbery	10.8	9.3	9.2	9.5	9.4	Handguns	46.0	43.8	43.0	43.9	43.7
Narcotics	1.7	2.7	2.9	3.9	4.9	Cutting or stabbing	19.3	21.2	21.1	20.5	20.3
Sex offenses	1.5	1.6	1.5	1.5	.3	Blunt objects [1]	5.0	5.8	5.5	5.7	5.8
Other felonies	3.7	4.5	4.3	4.4	5.0						
Suspected felonies	6.7	2.4	2.0	2.0	1.1	Personal weapons [2]	5.8	6.6	6.7	6.8	6.5
Argument, total	39.9	39.8	39.3	37.5	36.7	Strangulations, asphyxiations	2.3	2.5	2.4	2.6	2.6
Property or money	2.6	2.7	2.7	2.4	2.6	Fire	1.3	1.1	1.4	1.2	1.1
Romantic triangle	2.3	2.4	2.3	2.1	2.0	All other [3]	3.9	3.8	4.2	4.1	4.5
Other arguments	35.0	34.8	34.3	32.9	32.0						
Other motives	20.6	17.4	18.1	18.6	17.7						
Unknown	15.1	22.3	22.8	22.5	24.9						

[1] Refers to club, hammer, etc. [2] Hands, fists, feet, etc. [3] Includes poison, drowning, explosives, narcotics, and unknown.

Source of tables 280 and 281: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 282. HOMICIDE VICTIMS, BY RACE AND SEX: 1960 TO 1986

[**Rates per 100,000 resident population in specified group.** Beginning 1970, excludes deaths to nonresidents of U.S. Beginning 1980, deaths classified according to the ninth revision of the *International Classification of Diseases*; for earlier years, classified according to revision in use at the time; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series H 971-978]

YEAR	HOMICIDE VICTIMS					HOMICIDE RATE [2]				
	Total [1]	White		Black		Total [1]	White		Black	
		Male	Female	Male	Female		Male	Female	Male	Female
1960	8,464	2,832	1,154	3,345	1,013	4.7	3.6	1.4	36.7	10.4
1970	16,848	5,865	1,938	7,265	1,569	8.3	6.8	2.1	67.6	13.3
1975	21,310	8,222	2,751	8,092	1,929	9.9	9.0	2.9	69.0	14.9
1980	24,278	10,381	3,177	8,385	1,898	10.7	10.9	3.2	66.6	13.5
1981	23,646	9,941	3,125	8,312	1,825	10.3	10.4	3.[illegible]	64.8	12.7
1982	22,358	9,260	3,179	7,730	1,743	9.6	9.6	3.1	59.1	12.0
1983	20,191	8,355	2,880	6,822	1,672	8.6	8.6	2.8	51.4	11.3
1984	19,796	8,171	2,956	6,563	1,677	8.4	8.3	2.9	48.7	11.2
1985	19,893	8,122	3,041	6,616	1,666	8.3	8.2	2.9	48.4	11.0
1986	21,731	8,567	3,123	7,634	1,861	9.0	8.6	3.0	55.0	12.1

[1] Includes races not shown separately. [2] Rate based on enumerated population figures as of April 1 for 1960, 1970, and 1980; July 1 estimates for other years.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 283. FORCIBLE RAPE—NUMBER AND RATE, BY SELECTED CHARACTERISTIC: 1970 TO 1987

[For definition of rape, see text, section 5]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
NUMBER													
Total	**37,990**	**56,090**	**63,500**	**67,610**	**76,390**	**82,990**	**82,500**	**78,770**	**78,920**	**84,230**	**87,670**	**91,460**	**91,110**
By force	26,888	41,501	47,024	50,590	57,958	63,599	63,038	59,967	61,019	66,367	70,136	73,453	73,456
Attempt	11,102	14,589	16,476	17,020	18,432	19,391	19,462	18,803	17,901	17,863	17,534	18,007	17,654
RATE													
Per 100,000 population	18.7	26.3	29.4	31.0	34.7	36.8	36.0	34.0	33.7	35.7	36.7	37.9	37.4
Per 100,000 females	30.4	51.3	57.1	60.3	67.5	71.6	70.0	66.2	65.6	69.4	71.3	73.9	73.0
Per 100,000 females 12 years old and over	46.3	62.9	69.3	72.9	81.4	86.3	84.1	79.3	78.5	83.0	85.3	88.6	87.5
PERCENT CHANGE IN RATE													
Per 100,000 population	(NA)	40.6	10.4	5.6	11.9	6.1	−2.2	−5.5	−.9	5.7	2.5	3.7	−1.3
Per 100,000 females 12 years old and over	(NA)	35.9	9.8	5.2	11.6	6.0	−2.5	−5.7	−1.0	5.7	−.4	3.9	−1.2

NA Not available.

Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

No. 284. ROBBERY AND PROPERTY CRIMES, BY TYPE AND SELECTED CHARACTERISTIC: 1980 TO 1987

[For definition of crime, see text, section 5]

ITEM	NUMBER OF OFFENSES (1,000)					RATE PER 100,000 INHABITANTS					AVERAGE VALUE LOST (dol.)	
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987	1986	1987
Robbery, total [1]	**566**	**485**	**498**	**543**	**518**	**251.1**	**205.4**	**208.5**	**225.1**	**212.7**	**596**	**631**
Type of crime:												
Street or highway	293	264	273	302	282	130.1	111.9	114.4	125.2	115.8	465	492
Commercial house	78	56	60	67	66	34.6	23.6	25.3	27.8	26.9	912	1,017
Gas station	23	16	17	17	16	10.4	6.8	7.0	6.9	6.4	303	321
Convenience store	38	26	29	29	29	17.0	11.2	12.0	11.9	12.0	337	292
Residence	60	53	51	57	54	26.8	22.6	21.5	23.5	22.2	898	796
Bank	8	7	7	7	7	3.8	2.9	2.8	2.8	3.0	2,664	3,013
Weapon used:												
Firearm	228	173	176	186	171	101.3	73.4	73.6	77.2	70.3	(NA)	(NA)
Knife or cutting instrument	73	65	66	73	70	32.3	27.5	27.7	30.4	28.7	(NA)	(NA)
Other dangerous weapon	51	46	46	53	51	22.6	19.3	19.2	21.8	21.1	(NA)	(NA)
Strongarm	214	201	210	231	225	94.8	85.2	88.0	95.8	92.6	(NA)	(NA)
Burglary, total	**3,795**	**2,984**	**3,073**	**3,241**	**3,236**	**1,684.1**	**1,263.7**	**1,287.3**	**1,344.5**	**1,329.6**	**960**	**975**
Forcible entry	2,789	2,092	2,148	2,274	2,272	1,237.5	885.9	899.6	943.4	933.3	(NA)	(NA)
Unlawful entry	711	637	668	700	696	315.6	269.7	280.0	290.3	285.8	(NA)	(NA)
Attempted forcible entry	296	255	257	267	269	131.0	108.1	107.8	110.8	110.5	(NA)	(NA)
Residence	2,525	1,989	2,046	2,185	2,191	1,120.6	842.4	857.0	906.4	900.1	991	1,004
Nonresidence	1,270	995	1,027	1,056	1,045	563.5	421.3	430.3	438.2	429.5	894	914
Occured during the night	1,506	1,177	1,177	1,242	1,202	669.0	498.4	493.1	515.3	494.0	(NA)	(NA)
Occured during the day	1,263	965	1,025	1,110	1,128	560.3	408.8	429.2	460.6	463.5	(NA)	(NA)
Larceny-theft, total	**7,137**	**6,592**	**6,926**	**7,257**	**7,500**	**3,167.0**	**2,791.3**	**2,901.2**	**3,010.3**	**3,081.3**	**400**	**404**
Pocket picking	86	76	79	84	81	37.9	32.1	32.9	34.8	33.3	248	286
Purse snatching	107	81	83	95	90	47.5	34.4	35.0	39.6	37.0	208	238
Shoplifting	773	885	966	1,072	1,145	343.0	374.7	405.3	444.8	470.5	86	96
From motor vehicles	1,231	1,237	1,369	1,500	1,581	546.4	523.7	573.3	622.0	649.5	428	434
Motor vehicle accessories	1,368	1,186	1,158	1,207	1,265	606.2	502.0	485.2	500.5	519.6	282	288
Bicycles	715	541	566	521	481	317.5	229.1	237.3	216.2	197.8	167	172
From buildings	1,187	1,049	1,076	1,100	1,096	526.9	444.2	451.6	456.5	450.4	646	665
From coin-operated machines	58	57	60	65	67	25.8	24.0	24.9	27.0	27.4	129	128
Other	1,613	1,481	1,565	1,612	1,693	715.7	627.0	655.7	668.8	695.7	606	591
Motor vehicles, total [2]	**1,132**	**1,032**	**1,103**	**1,224**	**1,289**	**502.2**	**437.1**	**462.0**	**507.8**	**529.4**	**4,888**	**4,964**
Automobiles	845	783	832	946	995	374.8	331.5	348.5	392.6	408.8	(NA)	(NA)
Trucks and buses	149	146	156	166	188	66.1	61.8	65.4	69.0	77.3	(NA)	(NA)

NA Not available. [1] Includes other crimes not shown separately. [2] Includes other types of motor vehicles not shown separately.

Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

No. 285. Number and Rate of Victimizations for Crimes Against Persons and Households, by Type: 1973 to 1986

[Data based on National Crime Survey; see text, section 5, and Appendix III]

YEAR OR PERIOD	PERSONAL SECTOR								HOUSEHOLD SECTOR			
	Total	Violent crimes						Larceny/theft	Total	Burglary	Larceny	Motor vehicle theft
		Total	Rape	Robbery	Assault							
					Total	Aggravated	Simple					
NUMBER (1,000)												
1973	20,322	5,351	156	1,108	4,087	1,655	2,432	14,971	15,340	6,459	7,537	1,344
1975	21,867	5,573	154	1,147	4,272	1,631	2,641	16,294	17,400	6,744	9,223	1,433
1976	22,118	5,599	145	1,111	4,344	1,695	2,648	16,519	17,199	6,663	9,301	1,235
1977	22,835	5,902	154	1,083	4,664	1,738	2,926	16,933	17,480	6,765	9,418	1,297
1978	22,991	5,941	171	1,038	4,732	1,708	3,024	17,050	17,421	6,704	9,352	1,365
1979	22,541	6,159	192	1,116	4,851	1,769	3,082	16,382	18,708	6,685	10,630	1,393
1980	21,430	6,130	174	1,209	4,747	1,707	3,041	15,300	18,821	6,973	10,468	1,381
1981	22,445	6,582	178	1,381	5,024	1,796	3,228	15,863	19,009	7,394	10,176	1,439
1982	22,012	6,459	153	1,334	4,973	1,754	3,219	15,553	17,744	6,663	9,705	1,377
1983	20,561	5,903	154	1,149	4,600	1,517	3,083	14,657	16,440	6,063	9,114	1,264
1984	19,743	5,954	180	1,117	4,657	1,673	2,984	13,789	15,733	5,643	8,750	1,340
1985	19,296	5,823	138	985	4,699	1,605	3,094	13,474	15,568	5,594	8,703	1,270
1986	18,751	5,515	130	1,009	4,376	1,543	2,833	13,235	15,368	5,557	8,455	1,356
RATE [1]												
1973	123.6	32.6	1.0	6.7	24.9	10.1	14.8	91.1	217.8	91.7	107.0	19.1
1975	128.9	32.8	.9	6.8	25.2	9.6	15.6	96.0	236.5	91.7	125.4	18.5
1976	128.7	32.6	.8	6.5	25.3	9.9	15.4	96.1	229.4	88.9	124.1	16.5
1977	131.2	33.9	.9	6.2	26.8	10.0	16.8	97.3	228.8	88.5	123.3	17.0
1978	130.5	33.7	1.0	5.9	26.9	9.7	17.2	96.8	223.4	86.0	119.9	17.5
1979	126.4	34.5	1.1	6.3	27.2	9.9	17.3	91.9	235.3	84.1	133.7	17.5
1980	116.3	33.3	.9	6.6	25.8	9.3	16.5	83.0	227.4	84.3	126.5	16.7
1981	120.4	35.3	1.0	7.4	27.0	9.6	17.3	85.1	226.0	87.9	121.0	17.1
1982	116.8	34.3	.8	7.1	26.4	9.3	17.1	82.5	208.2	78.2	113.9	16.2
1983	107.9	31.0	.8	6.0	24.1	8.0	16.2	76.9	189.8	70.0	105.2	14.6
1984	102.8	31.0	.9	5.8	24.3	8.7	15.5	71.8	178.7	64.1	99.4	15.2
1985	99.4	30.0	.7	5.1	24.2	8.3	15.9	69.4	174.4	62.7	97.5	14.2
1986	95.6	28.1	.7	5.1	22.3	7.9	14.4	67.5	170.0	61.5	93.5	15.0

[1] Rate per 1,000 persons, 12 years old and over, and per 1,000 households.

Source: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

No. 286. Crimes Against the Elderly—Number and Rate of Victimizations, by Type: 1973 to 1986

[**Covers persons 65 years old and over.** Data based on National Crime Survey; see text, section 5, and Appendix III]

YEAR	PERSONAL SECTOR								HOUSEHOLD SECTOR			
	Total	Violent crimes				Crimes of theft			Total	Burglary	Larceny	Motor vehicle theft
		Total	Rape [1]	Robbery	Assault	Total [2]	Purse snatching	Pocket picking				
NUMBER (1,000)												
1973	625.8	173.0	2.4	101.3	69.3	452.8	29.8	37.1	1,467.2	748.8	644.8	73.6
1975	693.2	166.8	1.2	92.3	73.3	526.4	38.8	31.3	1,707.5	774.1	844.8	88.6
1976	737.5	166.9	1.0	75.1	90.8	570.6	26.3	45.1	1,713.3	742.4	880.5	90.4
1977	698.7	168.3	2.7	75.8	89.8	530.4	24.1	30.4	1,683.4	754.2	871.0	58.2
1978	709.3	180.6	2.4	69.5	108.6	528.7	29.4	37.2	1,618.8	703.9	833.9	81.0
1979	648.1	138.9	.9	58.0	79.9	509.2	38.5	44.6	1,716.2	718.7	917.6	79.9
1980	768.6	165.9	2.6	82.5	80.7	602.7	33.4	56.2	1,826.5	802.1	960.1	64.3
1981	752.6	195.1	2.7	99.3	93.1	557.5	21.1	51.6	2,109.6	921.1	1,077.2	111.3
1982	738.7	146.3	1.5	68.0	76.8	592.4	34.0	45.6	1,744.3	709.4	946.4	88.5
1983	741.6	144.3	1.4	63.9	78.9	597.3	32.8	53.8	1,695.1	754.2	860.2	80.7
1984	660.1	128.7	1.4	57.5	69.8	531.4	21.9	42.9	1,622.1	669.5	851.6	101.0
1985	627.6	122.7	1.5	42.8	78.4	504.9	14.1	57.8	1,455.7	609.5	758.4	87.8
1986	639.2	124.8	–	46.1	78.7	514.4	19.4	49.4	1,477.4	628.4	767.9	81.1
RATE [3]												
1973	30.7	8.5	.1	5.0	3.4	22.2	1.5	1.8	107.9	55.1	47.4	5.4
1975	32.3	7.8	.1	4.3	3.4	24.5	1.8	1.5	110.7	53.8	50.7	6.2
1976	33.6	7.6	.1	3.4	4.1	26.0	1.2	2.1	115.8	50.2	59.5	6.1
1977	31.1	7.5	.1	3.4	4.0	23.6	1.1	1.4	110.9	49.7	57.4	3.8
1978	30.9	7.9	.1	3.0	4.7	23.0	1.3	1.6	104.0	45.2	53.6	5.2
1979	27.5	5.9	(Z)	2.5	3.4	21.6	1.8	1.9	107.5	45.0	57.5	5.0
1980	31.4	6.8	.1	3.4	3.3	24.6	1.4	2.3	109.8	48.2	57.7	3.9
1981	30.1	7.8	.1	4.0	3.7	22.3	.8	2.1	124.2	54.2	63.4	6.6
1982	28.9	5.7	.1	2.7	3.0	23.2	1.3	1.8	100.5	40.9	54.5	5.1
1983	28.4	5.5	.1	2.5	3.0	22.9	1.3	2.1	94.8	42.2	48.1	4.5
1984	24.9	4.9	.1	2.2	2.6	20.0	.8	1.5	88.4	36.5	46.4	5.5
1985	23.1	4.5	.1	1.6	2.9	18.6	.5	2.1	78.1	32.7	40.7	4.7
1986	23.0	4.5	–	1.7	2.8	18.5	.7	1.8	78.2	33.3	40.6	4.3

– Represents zero or rounds to zero. Z Less than .05. [1] Yearly estimates are based on fewer than 10 sample cases. [2] Includes personal thefts without contact not shown separately. [3] Rate per 1,000 persons 65 years old and over, and per 1,000 households headed by persons 65 years old and over.

Source: U.S. Bureau of Justice Statistics, *Crime and the Elderly*, December 1981 and unpublished data.

No. 287. VICTIMIZATION RATES FOR CRIMES AGAINST PERSONS: 1973 TO 1986

[**Rates per 1,000 persons, 12 years old and over.** Includes attempted crimes. Data based on National Crime Survey; see text, section 5, and Appendix III. Totals exclude personal larceny]

YEAR AND CRIME	Total [1]	White	Black	Hispanic [2]	MALE			FEMALE			VICTIM-OFFENDER RELATIONSHIP	
					White	Black	Hispanic [2]	White	Black	Hispanic [2]	Stranger	Nonstranger
1973	33	32	42	36	43	53	53	21	32	22	22	11
1975	33	32	43	40	42	53	50	21	34	30	21	11
1976	33	31	44	35	42	55	55	21	36	23	21	12
1977	34	33	42	40	45	57	50	22	29	32	21	13
1978	34	33	41	37	45	54	54	22	30	23	21	12
1979	35	34	42	41	44	53	55	24	32	29	22	12
1980	33	32	41	40	43	53	54	22	31	27	21	12
1981	35	33	50	39	44	61	53	23	40	26	23	12
1982	34	33	44	40	42	57	49	25	33	32	22	12
1983	31	30	41	38	39	50	48	21	33	29	18	13
1984	31	30	41	35	38	51	45	22	33	26	17	14
1985	30	29	38	30	38	47	33	21	31	27	18	12
1986	28	28	33	27	35	39	39	21	29	15	16	12

[1] Includes races not shown separately. [2] Hispanic persons may be of any race.

No. 288. VICTIMIZATION RATES FOR CRIMES AGAINST HOUSEHOLDS: 1973 TO 1986

[**Rates per 1,000 households.** Includes attempted offenses. Data based on National Crime Survey; see text, section 5, and Appendix III]

YEAR AND HOUSEHOLD CHARACTERISTIC	Total	BURGLARY			LARCENY			MOTOR VEHICLE THEFT		
		Total [1]	White	Black	Total [1]	White	Black	Total [1]	White	Black
1973	218	92	87	133	107	108	104	19	18	24
1975	237	92	87	129	125	127	115	19	19	27
1976	229	89	84	131	124	126	112	17	16	21
1977	229	89	84	122	123	124	116	17	16	21
1978	223	86	83	115	120	120	121	18	17	21
1979	235	84	80	114	134	133	133	18	17	22
1980	227	84	81	115	127	125	134	17	16	25
1981	226	88	83	134	121	119	142	17	16	24
1982	208	78	73	117	114	111	132	16	15	25
1983	190	70	67	98	105	103	119	15	13	25
1984	179	64	61	92	99	97	115	15	14	26
1985	174	63	60	83	97	95	120	14	13	22
1986: All households	**170**	**61**	**58**	**92**	**94**	**92**	**102**	**15**	**14**	**24**
Homeowner	138	48	45	78	78	77	93	13	12	23
Renter	226	86	82	103	121	124	109	19	18	24
Households with income of—										
Under $7,500	201	91	87	102	99	109	70	11	11	10
$7,500-$9,999	179	56	52	81	111	110	118	12	11	14
$10,000-$14,999	170	65	59	107	90	86	116	15	13	30
$15,000-$24,999	166	55	52	73	97	93	127	14	12	31
$25,000-$29,999	168	58	50	133	97	95	126	16	14	41
$30,000-$49,999	166	54	52	83	93	91	140	19	17	45
$50,000 and over	164	61	59	135	84	83	127	18	17	41

[1] Includes other races not shown separately.

Source of tables 287 and 288: Through 1975, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

No. 289. HOUSEHOLDS TOUCHED BY CRIME, 1981 AND 1987, AND BY CHARACTERISTIC, 1987

[A household is considered "touched by crime" if during the year it experienced a burglary, auto theft or household theft or if a household member was raped, robbed, or assaulted, or a victim of personal theft, no matter where the crime occurred. Data based on the National Crime Survey; see text, section 5, and Appendix III]

TYPE OF CRIME	1981		1987						
	Number (1,000)	Percent touched	Number (1,000)	Percent touched					
				Total [1]	White	Black	Urban	Suburban	Rural
Total [2]	**24,863**	**30.0**	**22,254**	**24.4**	**23.9**	**27.8**	**28.6**	**24.2**	**18.5**
Violent crime	4,850	5.9	4,190	4.6	4.4	5.8	5.8	4.1	3.7
Rape	165	.2	108	.1	.1	.2	.1	.1	.1
Robbery	1,117	1.3	884	1.0	.8	2.2	1.6	.7	.5
Assault	3,880	4.7	3,378	3.7	3.7	3.8	4.3	3.4	3.3
Theft	17,705	21.4	15,687	17.1	17.2	16.8	19.2	17.7	13.0
Personal	11,509	13.9	10,074	11.0	11.2	9.6	11.9	12.0	8.0
Household	8,459	10.2	7,236	7.9	7.7	9.4	9.9	7.4	6.2
Burglary	6,101	7.4	4,717	5.2	4.8	7.9	6.3	4.7	4.3
Motor vehicle theft	1,285	1.6	1,379	1.5	1.4	2.3	2.2	1.5	.6

[1] Includes other races not shown separately. [2] Types of crime will not add to "total" since each household may report as many crime categories as experienced.

Source: U.S. Bureau of Justice Statistics, *Households Touched by Crime*, annual.

No. 290. REPORTED CHILD NEGLECT AND ABUSE CASES, BY DIVISION: 1978 TO 1985

[Represents total number of child maltreatment reports documented within the States, including substantiated and unsubstantiated reports. Derived from data provided by State child protective services personnel to the National Study on Child Neglect and Abuse Reporting, conducted by The American Association for Protecting Children, a division of The American Humane Association, and funded through the National Center on Child Abuse and Neglect, OHDS, DHHS. Also, the figures embody the variation among States with respect to whether they use individual child reports or reports which indicate all involved children in the family. For composition of divisions, see fig. I, inside front cover. Minus sign (–) indicates decline]

YEAR	U.S., total	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Total number of reports (1,000):										
1978	606.6	33.4	76.3	69.1	68.8	96.3	59.5	52.9	38.6	111.7
1979	707.4	41.3	85.5	104.8	66.6	126.2	61.5	61.7	31.9	127.9
1980	785.1	48.3	91.8	105.3	77.7	154.5	58.2	69.7	37.7	141.8
1981	846.2	39.0	101.9	110.5	85.7	174.8	66.1	88.4	37.3	142.5
1982	924.1	46.9	105.5	126.0	96.8	182.1	75.4	95.8	41.5	151.0
1983	1,001.4	58.5	101.0	141.6	93.8	228.5	62.3	103.0	49.5	163.3
1984	1,155.6	55.2	145.6	182.7	107.9	205.4	93.0	116.0	60.0	189.8
1985	1,299.4	59.9	152.2	208.7	107.7	225.0	121.6	128.3	77.6	218.4
Reports per 1,000 population:[1]										
1978	2.7	2.7	2.1	1.7	4.0	2.7	4.1	2.3	3.6	3.7
1979	3.2	3.3	2.3	2.5	3.9	3.5	4.2	2.7	2.9	4.1
1980	3.5	3.9	2.5	2.5	4.5	4.2	4.0	2.9	3.3	4.4
1981	3.7	3.1	2.8	2.7	5.0	4.6	4.5	3.6	3.2	4.4
1982	4.0	4.0	2.9	3.0	5.6	4.8	5.1	3.8	3.6	4.6
1983	4.3	4.7	2.7	3.4	5.4	5.9	4.2	4.0	4.0	4.9
1984	4.9	4.4	3.9	4.4	6.2	5.2	6.2	4.4	4.8	5.5
1985	5.4	4.7	4.1	5.0	6.1	5.6	8.1	4.8	6.1	6.2

[1] Based on Bureau of the Census estimated resident population as of July 1.

Source: American Humane Association, Denver, CO, *National Analysis of Official Child Neglect and Abuse Reporting*, annual, and unpublished data.

No. 291. CHILD MALTREATMENT CASES REPORTED—SUMMARY: 1976 TO 1985

[**In percent, except as indicated.** Total number of children reported is generally a duplicate count in that a child may be reported and therefore enumerated more than once each year. Because of differences in enumeration methods, a relatively small number of States (5 to 10) can provide only unduplicated reports, whereas most states provide only duplicated counts]

ITEM	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Number of children reported (1,000)	**669**	**838**	**836**	**988**	**1,154**	**1,225**	**1,262**	**1,477**	**1,727**	**1,928**
Rate per 10,000 children	101	128	129	154	181	194	201	236	273	306
Type of maltreatment:										
Deprivation of necessities	70.7	64.0	62.9	63.1	60.7	59.4	62.5	58.4	54.6	55.7
Minor physical injury	18.9	20.8	21.2	15.4	19.8	20.4	16.8	18.5	17.7	15.4
Sexual maltreatment	3.2	6.1	6.6	5.8	6.8	7.5	6.9	8.5	13.3	11.7
Emotional maltreatment	21.6	25.4	23.8	14.9	13.5	11.9	10.0	10.1	11.2	8.9
Unspecified physical injury	.5	.4	.4	2.5	3.1	3.2	4.7	5.2	3.6	4.1
Major physical injury	3.1	3.7	3.5	4.4	3.9	4.1	2.4	3.2	3.3	2.2
Other maltreatment	7.6	7.5	7.4	8.9	7.7	11.7	9.2	8.3	9.6	10.2
Characteristics of child involved:										
Age, average (years)	7.7	7.6	7.4	7.5	7.3	7.2	7.1	7.1	7.2	7.1
Sex:										
Male	50.0	49.9	49.4	49.5	49.8	49.2	49.5	48.9	48.0	48.1
Female	50.0	50.1	50.6	50.5	50.2	50.5	50.5	51.1	52.0	51.9
Race:										
White	61.1	67.7	67.1	65.7	69.4	67.8	64.9	67.5	67.0	(NA)
Black	19.8	19.1	21.1	22.2	18.8	21.7	21.7	19.7	20.8	(NA)
Hispanic	11.1	6.8	8.0	9.2	9.7	8.6	10.9	9.9	9.6	(NA)
Other	8.0	6.3	3.8	2.9	2.0	1.9	2.4	2.9	2.6	(NA)
Characteristics of caretaker:										
Age, average (years)	32.6	32.0	32.0	31.9	31.7	31.6	31.4	31.6	31.9	(NA)
Sex:										
Male	38.9	39.1	38.0	37.6	37.5	36.8	36.5	36.9	38.5	(NA)
Female	61.1	60.9	62.0	62.4	62.5	63.2	63.5	63.1	61.5	(NA)
Race:										
White	65.3	71.5	70.4	72.1	72.7	73.0	70.8	73.1	74.5	(NA)
Black	17.0	15.9	17.2	17.5	16.6	18.6	19.1	17.5	17.5	(NA)
Hispanic	10.0	6.4	9.6	4.9	5.1	4.7	6.1	6.8	5.5	(NA)
Other	7.7	6.2	2.8	5.5	5.6	3.7	4.0	2.6	2.5	(NA)
Family characteristics:										
Single female headed families	38.5	38.7	40.7	41.8	39.3	43.1	43.4	40.3	37.4	(NA)
Children in household, average (number)	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3
Families receiving public assistance	45.0	46.5	43.9	46.3	44.2	43.4	43.4	47.4	48.3	(NA)
Characteristics of perpetrator:										
Age, average (years)	32.3	31.7	31.7	32.0	31.4	33.8	31.2	31.3	31.5	31.5
Sex:										
Male	39.0	39.2	39.0	38.1	41.2	39.3	38.6	40.4	43.0	40.6
Female	61.0	60.8	61.0	61.9	58.8	60.7	61.4	59.6	57.0	59.4
Race:										
White	65.1	71.2	71.2	71.2	72.0	71.1	69.0	69.5	69.9	(NA)
Black	17.7	16.5	18.4	19.1	17.6	19.7	19.7	18.7	19.1	(NA)
Hispanic	9.5	6.3	7.4	7.2	8.3	7.5	9.2	9.8	9.3	(NA)
Other	7.7	6.0	3.0	2.5	2.1	1.7	2.1	2.0	1.9	(NA)

NA Not available.

Source: American Humane Association, Denver, CO, *National Study on Child Neglect and Abuse Reporting*, annual.

NO. 292. PERSONS ARRESTED BY SEX, AGE, AND RACE: 1975 TO 1987

[1975-1981 data represent agencies reporting 6 to 12 months; thereafter, data represent those agencies reporting 12 months. See also *Historical Statistics, Colonial Times to 1970*, series H 999-1011]

ITEM	Unit	1975	1980	1981	1982	1983	1984	1985	1986	1987
SEX AND AGE										
Agencies reporting	Number	8,051	12,042	12,811	9,832	10,827	9,879	11,249	10,743	10,616
Population represented	Million	179	208	214	187	201	180	203	198	202
Percent of total population [1]	Percent	84.1	92.4	93.6	80.9	85.8	76.2	85.0	82.3	83.1
Persons arrested [2]	1,000	8,014	9,703	10,296	10,062	10,287	8,922	10,290	10,392	10,796
Male	1,000	6,752	8,170	8,633	8,425	8,582	7,433	8,499	8,586	8,882
Percent of total	Percent	84.3	84.2	83.9	83.7	83.4	83.3	82.6	82.6	82.3
Percent under 18 years	Percent	25.5	19.7	18.8	17.0	15.8	16.1	16.1	15.8	15.5
Female	1,000	1,262	1,533	1,660	1,637	1,705	1,489	1,791	1,806	1,914
Percent of total	Percent	15.7	15.8	16.1	16.3	16.6	16.7	17.4	17.4	17.7
Percent under 18 years	Percent	35.5	27.1	25.0	22.8	21.5	22.8	22.0	21.6	20.9
Under 18 years	1,000	2,078	2,026	2,036	1,805	1,726	1,538	1,763	1,748	1,781
Percent of total	Percent	25.9	20.9	19.8	17.9	16.8	17.2	17.1	16.8	16.5
18-24 years	1,000	2,482	3,426	3,594	3,527	3,513	2,970	3,335	3,325	3,357
25-34 years	1,000	1,546	2,298	2,582	2,692	2,892	2,540	3,030	3,149	3,394
35-44 years	1,000	870	1,001	1,089	1,115	1,211	1,075	1,282	1,323	1,433
45-54 years	1,000	644	574	593	554	570	480	530	512	518
55 years and over	1,000	386	378	400	370	375	319	350	335	312
RACE										
Agencies reporting	Number	7,993	12,013	12,747	9,789	10,765	9,851	11,231	10,699	10,545
Population represented	Million	169	208	214	186	200	179	202	198	202
Percent of total population [1]	Percent	79.5	92.3	93.3	80.5	85.5	76.0	84.7	82.0	82.9
Persons arrested [2]	1,000	7,671	9,684	10,264	10,000	10,248	8,891	10,239	10,336	10,750
White	1,000	5,539	7,146	7,482	7,070	7,291	6,529	7,338	7,371	7,387
Black	1,000	1,935	2,375	2,619	2,777	2,796	2,216	2,721	2,789	3,168
Other	1,000	197	163	163	153	161	146	181	176	196

[1] Based on resident population as of July 1, except 1980 based on April 1 census count. [2] Represents each person arrested rather than number of charges filed against each. Through 1981, includes persons for whom age was not known, not shown separately in breakdown by age.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 293. PERSONS ARRESTED, BY CHARGE, SEX, AND AGE: 1987

[Represents arrests (not charges) reported by 10,616 agencies (reporting 12 months) with a total 1987 population of 202 million as estimated by FBI]

CHARGE	Total (1,000)	PERCENT DISTRIBUTION							
		Male	Under 15 yr.	Under 18 yr.	18-24 yr.	25-44 yr.	45-54 yr.	55-64 yr.	65 yr. and over
Total arrests	**10,796**	**82.3**	**5.2**	**16.5**	**31.1**	**44.7**	**4.8**	**2.1**	**.8**
Serious crimes [1]	**2,266**	**78.4**	**10.9**	**29.1**	**29.8**	**35.6**	**3.3**	**1.5**	**.8**
Murder and nonnegligent manslaughter	17	87.5	1.2	9.5	34.3	47.1	5.4	2.2	1.4
Forcible rape	31	98.8	5.3	15.7	29.2	48.4	4.3	1.7	.6
Robbery	123	91.9	5.8	22.4	38.1	37.7	1.3	.3	.1
Aggravated assault	302	86.7	3.7	12.8	28.3	50.6	5.3	2.1	.9
Burglary [2]	375	92.1	12.7	35.2	34.2	28.8	1.3	.3	.1
Larceny—theft	1,257	68.9	12.9	30.9	27.6	34.7	3.7	2.0	1.2
Motor vehicle theft	147	90.3	9.6	39.9	33.3	25.1	1.3	.3	.1
Arson	15	86.3	25.4	40.5	22.3	31.3	3.9	1.7	.4
All other nonserious crimes	**8,529**	**83.3**	**3.6**	**13.2**	**31.5**	**47.1**	**5.2**	**2.2**	**.8**
Other assaults	672	84.9	5.2	14.6	28.6	49.8	4.6	1.7	.7
Forgery and counterfeiting	79	65.6	1.3	9.0	36.3	50.5	3.0	.8	.3
Fraud	281	56.5	2.8	6.5	26.7	58.7	5.7	1.8	.6
Embezzlement	11	61.9	1.3	8.5	34.8	50.1	4.6	1.7	.4
Stolen property [3]	119	88.4	6.6	25.1	36.6	34.7	2.5	.8	.2
Vandalism	230	89.4	19.9	41.3	28.3	27.6	1.9	.6	.3
Weapons (carrying, etc.)	166	92.4	4.0	15.5	33.6	43.5	4.6	1.9	.8
Prostitution and commercialized vice	101	35.2	.2	2.1	38.4	55.4	2.6	1.1	.4
Sex offenses [4]	86	92.2	7.5	15.8	22.6	48.6	7.1	4.0	2.0
Drug abuse violations	811	85.1	1.2	9.4	37.2	50.3	2.3	.6	.1
Gambling	23	86.5	.5	3.7	13.1	49.2	18.0	10.6	5.4
Offenses against family and children	48	82.6	1.7	5.3	25.0	62.1	5.5	1.5	.5
Driving while intoxicated	1,410	88.3	(Z)	1.4	27.1	58.0	8.4	3.8	1.3
Liquor laws	505	82.1	1.8	26.2	51.0	18.5	2.6	1.2	.4
Drunkenness	701	90.8	.3	2.9	23.5	55.3	10.8	5.8	1.9
Disorderly conduct	600	81.3	4.1	14.8	35.3	43.3	4.2	1.8	.7
Vagrancy	33	88.4	1.7	7.5	26.1	53.4	8.1	3.7	1.1
Suspicion	12	85.5	7.0	21.9	28.7	44.7	3.3	1.0	.4
Curfew, loitering (juveniles)	76	75.0	26.9	100.0	(X)	(X)	(X)	(X)	(X)
Runaways (juveniles)	136	42.8	40.9	100.0	(X)	(X)	(X)	(X)	(X)
All other offenses, except traffic	2,431	84.4	3.0	11.3	33.5	48.1	4.6	1.8	.7

X Not applicable. Z Less than .05 percent. [1] Includes arson arrests, a newly established index offense in 1979. [2] Breaking or entering. [3] Buying, receiving, possessing. [4] Excludes forcible rape and prostitution, shown separately.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 294. Arson—Summary by Property Type: 1984 to 1987

[12,649 agencies reporting. Includes only fires determined through investigation to have been willfully or maliciously set, including attempts]

PROPERTY TYPE	NUMBER OF OFFENSES				PERCENT CLEARED BY ARREST				AVERAGE DAMAGE (dol.)			
	1984	1985	1986	1987	1984	1985	1986	1987	1984	1985	1986	1987
Total	**82,338**	**86,455**	**87,585**	**84,371**	**19.2**	**18.9**	**18.2**	**18.0**	**10,378**	**[1] 15,457**	**13,198**	**16,758**
Structure, total	47,736	48,263	47,846	46,490	22.9	22.9	22.5	21.8	16,310	[1] 25,837	21,969	17,550
Single occupancy residential	19,947	20,184	20,497	19,706	23.2	23.4	22.8	22.0	11,775	13,143	12,419	12,427
Other residential	8,182	8,221	8,096	8,762	24.2	24.3	24.7	24.2	12,143	11,526	12,048	12,481
Storage	4,955	5,159	4,980	4,541	17.7	18.5	18.5	17.5	17,000	20,536	45,258	15,064
Industrial/manufacturing	763	899	758	802	13.0	14.8	15.1	12.8	82,178	[1] 517,607	64,868	37,187
Other commercial	6,149	6,118	5,909	5,481	17.2	16.9	16.4	15.4	29,716	35,274	36,064	32,619
Community/public	5,112	5,043	4,737	4,428	34.1	34.2	34.2	34.0	13,226	15,480	33,818	18,188
Other structure	2,628	2,639	2,871	2,768	20.2	18.6	16.4	15.5	17,906	8,296	13,790	8,847
Mobile, total	20,036	22,324	24,485	23,339	10.9	10.9	10.2	10.4	3,470	3,707	3,651	3,571
Motor vehicle	18,304	20,487	22,578	21,645	10.4	10.4	9.9	9.8	3,084	3,343	3,289	3,307
Other mobile	1,732	1,837	1,907	1,694	16.3	16.4	14.1	17.6	7,542	7,777	7,940	6,944
Other	14,566	15,868	15,254	14,542	16.6	17.8	17.2	18.3	444	415	1,009	581

[1] One arson reported in 1985 involved damage to industrial/manufacturing structures of over $400 million, inflating the average damage values.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 295. Law Enforcement Officers Killed, by Division, or Assaulted, by Type of Weapon Used: 1975 to 1987

[Covers officers killed feloniously and accidentally in line of duty; includes Federal officers. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series H 987-998]

ITEM	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
OFFICERS KILLED										
Total killed	**[1] 185**	**[2] 164**	**[3] 185**	**[4] 157**	**[5] 164**	**[6] 152**	**147**	**[7] 148**	**133**	**147**
Northeast	28	21	31	17	17	20	21	19	15	24
Midwest	40	26	23	29	41	26	22	23	20	31
South	71	77	72	60	75	64	69	64	63	51
West	36	32	32	27	27	34	32	29	29	40
Puerto Rico	8	4	6	3	3	6	3	10	6	1
ASSAULTS										
Population (1,000)[8]	151,927	182,027	182,288	177,836	176,563	198,341	195,794	198,935	196,030	190,025
Number of—										
Agencies represented	7,435	9,636	9,235	9,019	8,829	9,908	10,002	9,906	9,755	8,957
Police officers	290,636	340,764	345,554	332,856	319,101	377,620	372,268	389,808	380,249	378,977
Total assaulted	**44,867**	**59,031**	**57,847**	**57,116**	**55,775**	**62,324**	**60,153**	**61,724**	**64,259**	**63,842**
Firearm	3,282	3,237	3,295	3,330	2,642	3,067	2,654	2,793	2,852	2,789
Knife or cutting instrument	1,287	1,720	1,653	1,733	1,452	1,829	1,662	1,715	1,614	1,561
Other dangerous weapon	4,516	5,543	5,415	4,800	4,879	5,527	5,146	5,263	5,721	5,685
Hands, fists, feet, etc	35,782	48,531	47,484	47,253	46,802	51,901	50,689	51,953	54,072	53,807

[1] Includes one officer each in Virgin Islands and Guam. [2] Includes 2 officers in Guam. [3] Includes one officer in Virgin Islands. [4] Includes one officer in American Samoa. [5] Includes one officer in Mariana Islands. [6] Includes one officer each in Guam and Mariana Islands. [7] Includes one officer in Guam and 2 in foreign locations. [8] Represents the number of persons covered by agencies shown.

Source: U.S. Federal Bureau of Investigation, *Law Enforcement Officers Killed and Assaulted*, annual.

No. 296. Aliens Expelled and Immigration Violations: 1970 to 1987

[For fiscal years ending in year shown. See text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series C 144, C 149, and C 156-160]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Aliens expelled	**1,000**	**320**	**679**	**736**	**837**	**824**	**944**	**931**	**1,067**	**1,612**	**1,117**
Deported	1,000	17	23	17	17	14	17	18	21	23	23
Entry without inspection or by false statements	Percent	47.6	70.5	84.0	82.6	81.4	79.6	80.8	80.8	79.7	71.7
Required to depart	1,000	303	656	719	820	810	927	913	1,046	1,589	1,094
Prosecutions disposed of	**Number**	**6,034**	**14,172**	**14,863**	**16,005**	**14,138**	**16,493**	**17,980**	**17,688**	**23,405**	**18,884**
Immigration violations	Number	5,510	13,947	14,498	15,602	13,712	15,848	16,989	16,976	22,751	18,200
Nationality violations	Number	524	225	365	403	426	645	991	712	654	684
Convictions	**Number**	**5,497**	**12,811**	**12,935**	**12,771**	**10,320**	**11,233**	**10,546**	**9,833**	**15,259**	**11,996**
Immigration violations	Number	4,991	12,676	12,678	12,509	10,058	10,947	10,237	9,635	15,104	11,786
Nationality violations	Number	506	135	257	262	262	286	309	198	155	210

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and unpublished data.

No. 297. IMMIGRATION BORDER PATROL AND INVESTIGATION ACTIVITIES: 1970 TO 1987

[In thousands, except as indicated. For fiscal years ending in year shown. See text, section 9]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
BORDER PATROL										
Border patrol agents:										
Authorized (number)	1,724	1,803	2,484	2,269	2,429	2,413	2,409	3,228	3,214	4,812
On duty (number)	1,706	1,708	2,329	2,216	2,166	2,291	2,281	3,023	3,236	3,180
Border patrol obligations ($1,000)	28,447	55,254	82,534	85,610	98,774	110,174	114,088	141,902	150,418	194,624
Persons apprehended[1]	233.9	602.2	766.6	833.2	828.0	1,115.4	1,135.0	1,272.4	1,705.3	1,168.9
Deportable aliens located	231.1	596.8	759.4	825.3	819.9	1,105.7	1,138.6	1,262.4	1,692.5	1,158.0
Mexican	219.3	579.4	734.2	797.9	795.4	1,076.3	1,102.6	1,218.7	1,635.7	1,123.7
Canadian	7.8	7.3	5.3	5.8	5.7	5.9	5.8	5.9	6.2	4.8
Other	4.1	10.1	19.9	21.6	18.8	23.5	30.2	37.8	50.6	29.5
Smugglers of aliens located	3.3	6.9	13.1	12.6	11.8	13.4	13.5	14.7	19.3	11.6
Smuggled aliens apprehended	16.7	80.4	112.6	90.1	80.4	86.7	91.7	95.7	114.7	61.4
Aliens located:										
Previously expelled	67.4	164.6	211.0	256.9	244.1	328.1	331.4	372.0	452.1	336.4
Previous criminal record	3.8	10.3	11.3	12.5	9.3	9.2	8.7	9.8	14.2	15.1
Conveyances examined	1,792	3,470	3,849	4,639	5,371	5,489	5,144	4,901	6,122	7,033
Automobiles	1,311	2,663	2,590	3,074	3,613	3,661	3,710	3,488	4,519	5,286
Persons questioned[2]	6,805	11,265	10,844	12,492	14,238	14,474	14,279	13,490	17,546	18,527
In automobiles	3,416	6,888	6,328	7,187	8,477	8,722	8,928	8,093	10,904	12,666
Pedestrians	1,661	2,056	1,706	1,862	1,965	2,119	2,089	2,063	2,787	2,022
Number of seizures	320	917	1,920	2,441	4,033	5,807	6,456	7,827	10,464	7,512
Value of seizures ($1,000)	4,547	28,654	116,115	17,348	15,178	43,536	60,303	138,795	194,710	610,890
Narcotics ($1,000)	3,865	26,302	110,272	10,236	5,242	28,729	43,475	119,056	161,750	582,411
INVESTIGATION										
Deportable aliens located	114.1	169.8	150.9	128.1	142.8	140.8	102.9	83.9	72.8	(NA)
Mexican	58.1	100.9	83.3	76.2	92.1	96.0	66.2	48.3	35.8	(NA)
Canadian	3.5	.9	1.5	1.5	1.6	1.5	1.1	1.1	1.2	(NA)
Other	52.5	68.0	66.1	50.4	49.1	43.3	35.6	34.5	35.8	(NA)

NA Not available. [1] Covers deportable aliens located and U.S. citizens engaged in smuggling or other immigration violations. [2] Includes types not shown separately.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and unpublished data.

No. 298. ALIEN AMNESTY PROGRAM—ALIENS APPLYING FOR TEMPORARY RESIDENCY, BY SELECTED CHARACTERISTIC OF THE ALIEN: 1987

[**Preliminary**. Represents applications filed as of October 9, 1988 under the provisions of the Immigration Reform and Control Act of 1986. Applicants may apply under two provisions of the Act—those who have continuously resided in the United States since January 1, 1982 under the pre-1982 provisions, and those who have worked on perishable crops under Special Agricultural Worker provisions]

CHARACTERISTIC	PRE-1982 PROVISIONS		SPECIAL AGRICULTURAL WORKERS	
	Number (1,000)	Percent	Number (1,000)	Percent
Total applicants[1]	**1,764.6**	**100.0**	**890.3**	**100.0**
Under 15 years old	152.0	8.6	2.2	.2
15-19 years old	146.9	8.3	77.4	8.7
20-24 years old	225.2	12.8	254.6	28.6
25-29 years old	344.4	19.5	201.2	22.6
30-34 years old	333.6	18.9	136.7	15.4
35-39 years old	225.5	12.8	84.3	9.5
40-44 years old	135.4	7.7	55.0	6.2
45-64 years old	182.6	10.3	78.3	8.8
65 years old and over	18.8	1.1	2.5	.3
Median age (years)	30.3	(X)	27.3	(X)
Male	987.3	56.0	744.5	83.6
Female	777.1	44.0	145.6	16.4
Marital status:				
Single	838.7	47.5	460.4	51.7
Married	755.9	42.8	387.6	43.5
Other	170.0	9.6	42.3	4.8
Selected country of citizenship:				
Mexico	1,235.6	70.0	742.6	83.4
El Salvador	145.9	8.3	16.0	1.8
Guatemala	50.8	2.9	11.0	1.2
Colombia	24.7	1.4	3.2	.4
Philippines	20.5	1.2	3.6	.4
Dominican Republic	17.7	1.0	3.8	.4
Haiti	17.2	1.0	39.0	4.4
Nicaragua	16.5	.9	.5	.1
Poland	15.7	.9	.3	(Z)
Jamaica	12.7	.7	5.3	.6
India	4.0	.2	13.6	1.5
Selected State of residence:				
California	967.1	54.8	494.2	55.5
Texas	314.3	17.8	73.4	8.2
New York	121.1	6.9	27.2	3.1
Illinois	117.7	6.7	15.3	1.7
Florida	47.9	2.7	89.9	10.1
New Jersey	27.8	1.6	5.5	.6
Arizona	27.8	1.6	39.3	4.4
New Mexico	17.5	1.0	10.4	1.2
Washington	8.7	.5	23.0	2.6

X Not applicable. Z Less than .05 percent. [1] Includes a small number of unknown or not reported cases for which age and sex data were not recorded.

Source: U.S. Immigration and Naturalization Service, *Provisional Legalization Application Statistics, October 8, 1988.*

No. 299. Drug Removals, Laboratory Seizures, and Persons Indicted, by DEA: 1983 to 1987

[Represents domestic drug removals. 1 kg=.454 lbs; du=dosage unit. Minus sign (–) indicates decrease]

ITEM	Unit	1983	1984	1985	1986	1987	PERCENT CHANGE 1983-84	1984-85	1985-86	1986-87
Domestic drug removals:										
Heroin	kg	302	346	447	382	375	14.6	29.2	–16.6	–1.8
Cocaine	kg	7,369	11,742	18,129	26,954	37,148	58.7	54.4	49.4	37.8
Cannabis (Marihuana)	1,000 kg.	1,030	1,400	745	711	649	35.9	–46.8	10.9	–8.7
Dangerous drugs	mil. du	20	14	26	32	34	–30.4	86.5	78.0	6.2
Clandestine laboratory seizures	Number	235	290	338	509	682	23.4	16.6	50.6	34.0
Narcotic Title III intercepts	Number	76	83	136	79	93	9.2	63.9	–37.5	17.7
Asset removals:										
Total seizures	$1,000	(NA)	150,975	246,344	401,415	504,644	(NA)	63.2	61.1	25.7
DEA seizures	$1,000	95,650	92,545	171,886	310,730	403,607	–3.2	85.7	79.6	30.0
Seizures through interagency cooperation	$1,000	(NA)	58,431	74,456	90,684	97,036	(NA)	27.4	19.6	18.5	7.0
Arrests	Number	12,997	13,126	15,727	18,687	21,915	1.0	19.8	18.9	17.3
Convictions	Number	9,973	10,809	10,519	12,028	12,472	8.4	–2.7	15.5	3.7
Number of persons indicted	Number	(NA)	6,442	9,279	11,454	12,540	(NA)	44.0	23.4	9.5

NA Not available.

Source: Drug Enforcement Administration (DEA), *Annual Statistical Report.*

No. 300. Authorized Intercepts of Communication—Summary: 1970 to 1987

[Data for jurisdictions with statutes authorizing or approving interception of wire or oral communication]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Jurisdictions:[1]													
With wiretap statutes	19	24	24	24	26	28	29	29	31	31	32	32	33
Reporting interceptions	12	18	19	20	20	22	22	22	20	24	22	24	22
Intercept applications authorized	596	701	626	570	553	564	589	578	648	801	784	754	673
Intercept installations	582	676	601	560	533	524	562	518	602	773	722	676	634
Federal	179	106	77	81	87	79	106	129	205	277	235	247	233
State	403	570	524	479	446	445	456	389	397	496	487	429	401
Intercepted communications, avg.[2]	656	654	656	738	866	1,058	846	1,082	1,107	1,209	1,320	1,328	1,299
Incriminating	296	305	268	205	252	315	190	209	229	298	275	253	230
Persons arrested[3]	1,874	2,234	2,191	1,825	1,717	1,871	1,735	1,725	1,716	2,393	2,469	2,410	2,226
Convictions[3]	151	336	372	337	368	259	248	453	521	649	660	761	506
Major offense specified:													
Gambling	325	408	265	241	204	199	156	150	157	186	206	169	135
Drugs	127	176	237	195	250	282	318	333	350	483	434	348	379
Homicide and assault	21	16	22	25	29	13	33	31	31	30	25	34	18
Other	123	99	102	109	70	70	82	64	100	102	119	163	141

[1] Jurisdictions include Federal Government, States, and beginning 1975, District of Columbia. [2] Average per authorized installation. [3] Based on information received from intercepts installed in year shown.

Source: Administrative Office of the U.S. Courts, *Report on Applications for Orders Authorizing or Approving the Interception of Wire or Oral Communications,* (Wiretap Report), annual.

No. 301. Criminal Justice System—Public Expenditures and Employment, by Level of Government: 1980 to 1985

[Expenditures are for fiscal years. Employment as of **October**. Expenditures are direct expenditures only and on cash flow basis. See Appendix III and *Historical Statistics, Colonial Times to 1970,* series H 1012-1027 for similar data]

LEVEL OF GOVERNMENT AND ACTIVITY	EXPENDITURES (mil. dol.)			FULL-TIME EQUIVALENT EMPLOYMENT					
				Total[1] (1,000)			Rate[2]		
	1980	1983	1985	1980	1983	1985	1980	1983	1985
All governments	**22,084**	**39,680**	**45,607**	[3] **910**	[3] **1,223**	[3] **1,369**	[3] **40.2**	[3] **54.0**	[3] **57.3**
Police	15,163	20,648	22,014	647	669	693	28.6	29.5	29.0
Judicial and legal	(NA)	8,621	10,070	(NA)	244	282	(NA)	10.3	11.8
Corrections	6,901	10,411	13,034	263	311	387	11.6	13.7	16.2
Federal government	**2,126**	**4,844**	**5,474**	[3] **66**	[3] **104**	[3] **108**	[3] **2.9**	[3] **4.6**	[3] **4.5**
Police	1,739	2,745	2,768	56	64	61	2.5	2.8	2.6
Judicial and legal	(NA)	1,523	1,999	(NA)	30	32	(NA)	1.3	1.3
Corrections	387	576	707	10	10	14	.4	.4	.6
State governments	**6,285**	**11,709**	**14,464**	**236**	**352**	**431**	**10.4**	**15.5**	**18.1**
Percent of total	28.5	29.5	32.2	25.9	28.8	31.5	(X)	(X)	(X)
Police	2,027	2,630	3,226	75	77	99	3.3	3.4	4.1
Judicial and legal	(NA)	2,756	3,172	(NA)	81	90	(NA)	3.6	3.8
Corrections	4,258	6,323	8,061	161	194	239	7.1	8.6	10.0
Local governments[4]	**13,653**	**23,127**	**25,260**	**606**	**767**	**829**	**26.8**	**33.9**	**34.7**
Percent of total	61.9	58.3	55.4	66.6	62.7	60.6	(X)	(X)	(X)
Police	11,397	15,273	16,018	516	528	533	22.8	23.3	22.3
Judicial and legal	(NA)	4,342	4,899	(NA)	133	161	(NA)	5.9	6.7
Corrections	2,256	3,512	4,247	92	106	134	4.1	4.7	5.6

NA Not available. X Not applicable. [1] Total payroll divided by full-time payroll multiplied by full-time employees. [2] For 1980, rate per 10,000 estimated resident population as of April 1, 1980; for 1983 and 1985, as of July 1. [3] Data for Federal government represent total employment (full- and part-time). [4] Data are estimates subject to sampling variation; see Appendix III and source.

Source: U.S. Bureau of Justice Statistics, *Justice Expenditures and Employment Extracts,* annual.

No. 302. STATE AND LOCAL GOVERNMENT POLICE PROTECTION AND CORRECTION—EMPLOYMENT AND EXPENDITURES: 1986

[Employment as of **October**. Expenditures for fiscal years ending between **July 1985** and **June 1986**. Local government data are estimates subject to sampling variation; see Appendix III and source. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	FULL-TIME EQUIVALENT EMPLOYMENT					EXPENDITURES			
	Total	Police protection	Correction	Per 10,000 population [1]		Total [2] (mil. dol.)	Per capita (dol.)	Police protection (mil. dol.)	Correction (mil. dol.)
				Police protection	Correction				
U.S.	**1,017,679**	**648,777**	**368,902**	**26.9**	**15.3**	**46,947**	**195**	**22,685**	**14,957**
Region:									
Northeast	245,932	159,427	86,505	31.8	17.3	11,223	224	5,443	3,469
Midwest	221,689	152,704	68,985	25.8	11.6	9,799	165	5,049	2,732
South	345,290	207,773	137,517	25.0	16.6	13,529	163	6,527	4,532
West	204,768	128,873	75,895	26.4	15.6	12,396	254	5,666	4,224
N. Eng	**50,477**	**34,669**	**15,808**	**27.2**	**12.4**	**2,216**	**174**	**1,126**	**594**
ME	3,883	2,615	1,268	22.3	10.8	135	116	67	40
NH	3,596	2,535	1,061	24.7	10.3	140	136	69	33
VT	1,575	1,136	439	21.0	8.1	69	127	33	19
MA	24,374	16,809	7,565	28.8	13.0	1,113	191	556	308
RI	3,742	2,694	1,048	27.6	10.7	166	170	69	40
CT	13,307	8,880	4,427	27.8	13.9	592	185	311	154
Mid. Atl	**195,455**	**124,758**	**70,697**	**33.4**	**18.9**	**9,008**	**241**	**4,317**	**2,875**
NY	110,479	66,631	43,848	37.4	24.6	5,405	304	2,583	1,807
NJ	43,238	28,925	14,313	37.9	18.8	1,765	231	886	512
PA	41,738	29,202	12,536	24.6	10.5	1,838	155	848	556
E. No. Cent	**163,092**	**112,386**	**50,706**	**26.9**	**12.2**	**7,321**	**175**	**3,757**	**2,082**
OH	36,381	24,859	11,522	23.1	10.7	1,764	164	859	531
IN	18,407	11,873	6,534	21.6	11.9	629	114	298	207
IL	54,003	39,752	14,251	34.4	12.3	2,107	182	1,196	543
MI	36,457	23,128	13,329	25.3	14.6	2,013	220	936	624
WI	17,844	12,774	5,070	26.7	10.6	809	169	468	176
W. No. Cent	**58,597**	**40,318**	**18,279**	**22.9**	**10.4**	**2,478**	**141**	**1,292**	**650**
MN	12,118	8,140	3,978	19.3	9.4	686	163	340	165
IA	8,248	5,690	2,558	20.0	9.0	389	130	191	99
MO	19,758	13,759	5,999	27.2	11.8	711	140	401	177
ND	1,795	1,376	419	20.3	6.2	72	106	36	14
SD	2,191	1,525	666	21.5	9.4	83	117	42	23
NE	5,446	3,597	1,849	22.5	11.6	209	131	104	62
KS	9,041	6,231	2,810	25.3	11.4	348	141	179	90
So. Atl	**185,244**	**109,285**	**75,959**	**26.7**	**18.6**	**7,631**	**186**	**3,610**	**2,639**
DE	3,143	1,651	1,492	26.1	23.6	142	225	62	46
MD	22,495	13,146	9,349	29.5	21.0	1,063	238	464	415
DC	7,876	4,477	3,399	71.6	54.4	503	804	212	208
VA	24,954	13,600	11,354	23.5	19.6	982	169	453	364
WV	4,629	3,293	1,336	17.2	7.0	161	84	81	35
NC	24,590	14,734	9,856	23.3	15.6	874	138	418	315
SC	14,037	7,706	6,331	22.8	18.7	461	136	203	188
GA	25,728	15,016	10,712	24.6	17.6	925	152	423	343
FL	57,792	35,662	22,130	30.5	18.9	2,520	215	1,293	723
E. So. Cent	**53,636**	**32,647**	**20,989**	**21.5**	**13.8**	**1,850**	**122**	**884**	**601**
KY	13,189	7,408	5,781	19.9	15.5	443	119	206	135
TN	18,466	10,844	7,622	22.6	15.9	619	129	294	217
AL	13,840	9,054	4,786	22.4	11.8	529	131	246	169
MS	8,141	5,341	2,800	20.4	10.7	260	99	138	80
W. So. Cent	**106,410**	**65,841**	**40,569**	**24.5**	**15.1**	**4,047**	**151**	**2,033**	**1,293**
AR	7,033	4,709	2,324	19.9	9.8	227	96	118	70
LA	20,146	11,910	8,236	26.5	18.3	800	178	424	224
OK	12,664	8,449	4,215	25.6	12.7	451	136	220	155
TX	66,567	40,773	25,794	24.4	15.5	2,569	154	1,270	843
Mt	**55,716**	**35,258**	**20,458**	**27.2**	**15.8**	**2,757**	**212**	**1,321**	**892**
MT	2,830	1,918	912	23.5	11.2	120	147	58	33
ID	3,163	2,269	894	22.6	8.9	123	122	68	29
WY	2,365	1,653	712	32.6	14.0	120	237	65	30
CO	12,594	8,912	3,682	27.3	11.3	689	211	352	198
NM	7,407	4,322	3,085	29.2	20.9	291	196	135	99
AZ	16,472	8,989	7,483	27.4	22.8	861	262	381	316
UT	5,337	3,602	1,735	21.6	10.4	265	159	133	82
NV	5,548	3,593	1,955	37.2	20.2	290	300	129	105
Pac	**149,052**	**93,615**	**55,437**	**26.2**	**15.5**	**9,639**	**270**	**4,345**	**3,332**
WA	16,924	9,758	7,166	21.9	16.1	855	192	383	319
OR	9,381	5,938	3,443	22.0	12.7	482	178	239	135
CA	116,346	73,623	42,723	27.3	15.8	7,764	288	3,516	2,699
AK	2,547	1,508	1,039	28.3	19.5	297	558	106	109
HI	3,854	2,788	1,066	26.2	10.0	241	226	101	70

[1] Based on resident population as of July 1. [2] Includes judicial and legal, not shown separately.

Source: U.S. Bureau of the Census, *Public Employment*, series GE No. 1, annual, and *Government Finances*, series GF No. 5, annual.

No. 303. LAWYERS—SELECTED CHARACTERISTICS: 1954 TO 1985

[See headnote, table 304. See also *Historical Statistics, Colonial Times to 1970*, series H 1028–1062]

CHARACTERISTIC	1954	1957	1960	1963	1966	1970	1980	1985
All lawyers [1]	**241,514**	**262,320**	**285,933**	**296,069**	**316,656**	**355,242**	**542,205**	**655,191**
Lawyers reporting [2]	**221,600**	**235,783**	**252,385**	**268,782**	**289,404**	**324,818**	(X)	(X)
Male	216,564	229,433	245,897	261,639	281,336	315,715	498,019	589,649
Female	5,036	6,350	6,488	7,143	8,068	9,103	44,185	65,542
Status in practice: [3]								
Government	21,279	24,245	25,621	29,314	31,280	35,803	50,490	53,035
Federal	9,040	12,458	13,045	15,113	16,284	18,710	20,132	19,989
State	3,561	4,000	4,316	6,486	7,416	9,293	30,358	33,046
City or county	8,678	7,787	8,260	7,715	7,580	7,800		
Judicial	7,903	7,910	8,180	8,748	9,712	10,349	19,160	21,677
Federal	621	769	599	707	800	878	2,611	3,003
State and county	5,041	5,056	5,301	5,712	6,823	7,548	16,549	18,674
City	2,241	2,085	2,280	2,329	2,089	1,923		
Private practice	189,423	188,955	192,353	200,586	212,662	236,085	370,111	460,206
Individual	127,389	122,389	116,911	113,127	113,273	118,963	179,923	216,336
Partner	51,668	54,966	60,709	70,064	78,544	92,442	190,187	177,392
Associate [4]	10,366	11,800	14,733	17,395	20,845	24,680		66,478
Salaried	16,648	21,054	25,198	29,510	33,222	40,486	73,862	83,843
Private industry	15,063	18,911	22,533	26,492	29,405	33,593	54,626	63,622
Educational institutions	1,351	1,504	1,798	2,100	2,717	3,732	6,606	7,254
Other private employment	234	639	867	918	1,100	3,161	12,630	12,967
Inactive or retired	6,581	7,661	10,887	12,024	14,881	16,812	28,582	38,430

X Not applicable. [1] 1954–1970 includes lawyers not reporting and an adjustment (subtraction) for duplications; 1980 and 1985 weighted to account for non-reporters and duplicate listings. [2] 1954–1970 includes duplications; 1980 and 1985 figures are weighted to adjust for duplication of entries. [3] 1954–1970, in cases where more than 1 subentry was applicable, the individual was tabulated in each. In 1980 and 1985 lawyers who were in both private practice and government service are coded in private practice. [4] Associates are lawyers designated as such by their employers.

Source: American Bar Foundation, Chicago, IL, 1954–1970, *The 1971 Lawyer Statistical Report*, 1971 (copyright); 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s*, 1985 (copyright); and 1985, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1985*, 1986 (copyright).

No. 304. LAWYERS, BY STATE: 1970 TO 1985

[Data based on 1971, 1980 and 1985 editions of *Martindale-Hubbell Law Directory*. Represents all persons who are members of the bar, including those in industries, educational institutions, etc., and those inactive or retired]

STATE	1970 [1]	1980 [2]	1985		
			Total [2]	In private practice [2]	Population per lawyer [3]
U.S. [4]	**324,818**	**542,205**	**655,191**	**450,206**	**360**
AL	3,291	5,466	6,679	4,747	597
AK	443	1,355	1,749	1,191	286
AZ	2,618	5,657	7,535	5,248	405
AR	1,969	3,188	3,741	2,586	628
CA	31,580	64,840	82,001	60,719	312
CO	4,197	8,652	11,174	7,991	284
CT	5,398	8,930	11,397	7,342	277
DE	733	1,332	1,597	896	384
DC	15,501	25,465	28,399	12,617	22
FL	10,917	23,521	30,444	21,709	361
GA	5,517	11,087	13,652	10,097	428
HI	857	2,027	2,787	2,019	373
ID	803	1,706	2,031	1,370	493
IL	20,404	32,421	37,873	26,463	304
IN	5,447	8,443	9,499	6,862	579
IA	3,820	5,550	6,182	4,339	471
KS	3,126	4,759	5,555	3,828	439
KY	3,625	6,200	7,017	4,941	531
LA	5,089	8,752	10,569	8,272	422
ME	1,068	2,062	2,528	1,848	457
MD	6,619	10,648	12,866	8,405	338
MA	11,316	18,537	22,154	16,579	262
MI	10,569	17,443	20,445	14,501	444
MN	5,461	9,433	11,343	7,767	367
MS	2,517	3,850	4,270	3,198	608
MO	7,230	10,731	12,439	8,531	403
MT	978	1,617	2,006	1,432	411
NE	2,481	3,722	4,289	2,876	374
NV	739	1,771	2,276	1,561	400
NH	791	1,678	2,139	1,570	457
NJ	11,126	18,400	23,301	16,429	323
NM	1,201	2,508	3,164	2,302	450
NY	48,312	62,745	72,575	52,130	244
NC	4,367	7,459	9,265	6,520	665
ND	728	1,101	1,290	888	532
OH	15,349	23,949	27,191	19,125	395
OK	4,637	7,034	8,302	5,923	397
OR	2,996	5,803	7,385	5,337	362
PA	13,557	22,872	27,798	20,393	428
RI	1,284	2,070	2,527	1,909	381
SC	2,236	4,195	5021	3,755	657
SD	812	1,125	1,230	880	574
TN	4,770	7,802	8,782	6,206	537
TX	17,217	30,151	39,028	28,184	410
UT	1,309	2,480	3,446	2,585	479
VT	581	1,095	1,372	979	386
VA	6,401	10,895	13,390	9,031	421
WA	4,466	8,468	11,507	8,411	378
WV	1,719	2,566	2,835	2,033	688
WI	6,177	9,117	10,315	7,187	462
WY	449	927	1,116	755	458

[1] Represents lawyers reporting only. Includes an estimated adjustment (subtraction) to account for duplications. Based on reporting from approximately 90 percent of all lawyers. [2] Weighted to account for non-reporters and duplicate listings. [3] Based on Bureau of the Census estimated resident population, including Armed Forces stationed in area as of July 1, 1984. [4] Total for U.S. counts each lawyer only once regardless of number of offices maintained by the lawyer. If, however, a lawyer maintains an office in more than one State, the lawyer is included in the total shown for each State in which the lawyer maintains an office.

Source: American Bar Foundation, Chicago, IL, *The 1971 Lawyer Statistical Report*, 1971 (copyright), 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s*, 1985 (copyright); and 1985, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1985*, 1986 (copyright).

No. **305.** U.S. Supreme Court—Cases Filed and Disposition: 1970 to 1987

[Statutory term of court begins first Monday in **October**. See *Historical Statistics, Colonial Times to 1970*, series H 1063–1078, for related but not comparable data]

ACTION	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total cases on docket	**4,212**	**4,761**	**5,144**	**5,311**	**5,079**	**5,100**	**5,006**	**5,158**	**5,123**	**5,268**
Appellate cases on docket	1,903	2,352	2,749	2,935	2,710	2,688	2,575	2,571	2,547	2,577
From prior term	325	431	527	522	545	520	539	400	476	440
Docketed during present term	1,578	1,921	2,222	2,413	2,165	2,168	2,036	2,171	2,071	2,137
Cases acted upon [1]	1,613	1,900	2,324	2,513	2,279	2,220	2,253	2,185	2,189	2,224
Granted review	214	244	167	203	169	140	167	166	152	157
Denied, dismissed, or withdrawn	1,285	1,538	1,999	2,100	1,892	1,902	1,953	1,863	1,876	1,919
Summarily decided	114	118	90	114	113	71	59	78	71	66
Cases not acted upon	290	452	425	422	413	468	322	386	358	353
Pauper cases on docket	2,289	2,395	2,371	2,354	2,352	2,394	2,416	2,577	2,564	2,675
Cases acted upon [1]	1,802	1,997	2,027	2,039	2,013	1,992	2,087	2,189	2,250	2,263
Granted review	41	28	17	7	10	9	18	20	15	23
Denied, dismissed, or withdrawn	1,683	1,903	1,968	2,014	1,995	1,968	2,050	2,136	2,186	2,210
Summarily decided	78	66	32	12	6	10	14	24	38	21
Cases not acted upon	487	398	344	315	339	402	329	388	314	412
Original cases on docket	20	14	24	22	17	18	15	10	12	16
Cases disposed of during term	7	7	7	6	3	7	8	2	1	5
Total cases available for argument	**267**	**280**	**264**	**318**	**312**	**289**	**271**	**276**	**270**	**280**
Cases disposed of	160	181	162	192	199	189	184	175	179	175
Cases argued	151	179	154	184	183	184	175	171	175	167
Cases dismissed or remanded without argument	9	2	8	8	16	5	9	4	4	8
Cases remaining	107	99	102	126	113	80	87	101	91	105
Cases decided by signed opinion	126	160	144	170	174	174	159	161	164	151
Cases decided by per curiam opinion	22	16	8	10	6	6	11	10	10	9
Number of signed opinions	109	138	123	141	151	151	139	146	145	139

[1] Beginning 1980, includes cases granted review and carried over to next term, not shown separately.

Source: Office of the Clerk, Supreme Court of the United States, unpublished data.

No. **306.** U.S. Courts of Appeals Cases Commenced and Disposition: 1970 to 1987

[For years ending **June 30**. See also *Historical Statistics, Colonial Times to 1970*, series H 1079–1096]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Cases commenced [1]	**11,662**	**16,658**	**20,219**	**23,200**	**26,362**	**27,946**	**29,630**	**31,490**	**33,360**	**34,292**	**35,176**
Criminal	2,660	4,187	4,102	4,405	4,377	4,767	4,790	4,881	4,989	5,134	5,260
U.S. civil	2,167	2,981	3,983	4,654	4,940	5,517	5,820	6,259	6,744	6,415	6,292
Private civil	4,834	6,511	8,237	10,200	12,074	13,267	14,429	15,466	16,827	17,876	19,246
Administrative appeals	1,522	2,290	2,922	2,950	3,800	3,118	3,069	3,045	3,179	3,187	2,723
Cases terminated [1]	**10,699**	**16,000**	**18,928**	**20,887**	**25,066**	**27,984**	**28,660**	**31,185**	**31,387**	**33,774**	**34,444**
Criminal	2,581	4,005	4,320	3,993	4,192	4,522	4,777	4,876	4,892	5,134	5,039
U.S. civil	1,912	3,094	3,857	4,346	5,021	5,508	5,585	6,074	6,363	6,535	6,227
Private civil	4,367	6,252	7,175	8,942	11,327	13,115	13,710	15,309	15,743	17,276	18,338
Administrative appeals	1,407	1,909	2,602	2,643	3,303	3,549	3,260	3,212	2,760	3,235	3,237
Cases disposed of [2]	**6,139**	**9,077**	**9,361**	**10,607**	**12,168**	**12,720**	**13,217**	**14,327**	**16,369**	**18,199**	**18,502**
Affirmed or granted	4,626	6,763	7,125	8,017	9,004	9,560	10,174	10,961	12,286	13,398	13,681
Reversed or denied	1,280	1,632	1,548	1,845	2,246	2,138	2,173	2,382	2,770	3,249	2,924
Other	233	682	688	745	918	1,022	870	984	1,313	1,552	1,897
Median months [3]	8.2	7.4	8.1	8.9	9.3	8.9	8.6	8.3	10.3	10.3	10.3

[1] Includes original proceedings and bankruptcy appeals not shown separately. [2] Terminated on the merits after hearing or submission. Beginning 1975, data not comparable with earlier years due to changes in criteria. [3] Prior to 1985, the figure is from filing of complete record to final disposition; beginning 1985, figure is from filing notice of appeal to final disposition. For definition of median, see Guide to Tabular Presentation.

No. **307.** U.S. District Courts—Civil and Criminal Cases: 1970 to 1987

[**In thousands, except percent.** As of **end of fiscal year;** see text, section 10. See also *Historical Statistics, Colonial Times to 1970*, series H 1097–1111]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Civil cases: Commenced	87.3	117.3	154.7	168.8	180.6	206.2	241.8	261.5	273.7	254.8	239.0
Cases terminated [1]	79.5	103.8	140.0	155.0	172.9	185.5	213.6	241.8	268.6	265.8	237.5
No court action	31.1	39.2	60.2	68.7	72.1	81.6	99.0	113.9	129.4	122.2	97.8
Court action, total	48.4	64.6	79.9	86.2	100.8	103.9	114.6	127.9	139.2	143.6	139.7
Before pretrial	29.4	40.3	49.7	53.8	61.1	67.3	75.9	86.1	95.5	101.9	95.3
Pretrial	11.0	15.6	20.5	22.4	28.3	25.3	27.1	29.6	31.1	29.9	32.5
Trials	8.0	8.7	9.6	10.1	11.4	11.3	11.6	12.1	12.6	11.7	11.9
Percent reaching trial	10.0	8.4	6.9	6.5	6.6	6.1	5.4	5.0	4.7	4.4	5.0
Criminal cases: Commenced [2]	38.1	41.1	31.5	28.0	30.4	31.6	34.9	35.9	38.5	40.4	42.2
Defendants disposed of [3]	36.4	49.2	41.2	36.6	38.1	40.5	43.3	44.5	47.4	50.0	54.2
Not convicted	8.2	11.8	8.3	8.0	8.3	8.2	7.7	8.4	8.8	9.3	10.2
Convicted	28.2	37.4	32.9	28.6	29.9	32.3	35.6	36.1	38.5	40.7	43.9
Imprisonment	12.4	17.3	14.6	13.2	13.7	15.9	17.9	17.7	18.7	20.6	23.3
Probation	11.4	17.9	13.5	11.1	12.2	12.7	14.1	13.9	14.4	15.2	16.0
Fine and other	4.4	2.2	4.9	4.4	4.0	3.7	3.6	4.5	5.4	4.9	4.6

[1] Excludes land condemnation cases. [2] Excludes transfers. [3] Beginning 1975, includes DC; beginning 1979, includes Guam, Virgin Islands, and Northern Mariana Islands; 1979 through 1982 includes Canal Zone.

Source of tables 306 and 307: Administrative Office of the U.S. Courts, *Annual Report of the Director.*

No. 308. U.S. District Courts—Civil Cases Commenced and Pending: 1980 to 1987

TYPE OF CASE	CASES COMMENCED 1980	1985	1986	1987	CASES PENDING 1980	1985	1986	1987
Cases total [1]	**168,789**	**273,670**	**254,828**	**238,982**	**186,113**	**254,114**	**242,177**	**243,361**
Contract actions [1]	49,052	102,642	88,352	69,540	40,521	65,983	58,625	59,915
Recovery of overpayments [2]	15,588	58,160	40,824	24,208	6,696	22,576	13,406	9,218
Real property actions	11,067	10,118	10,674	11,585	15,436	9,324	9,680	9,882
Tort actions [1]	32,539	41,593	42,326	42,947	41,062	57,243	61,490	65,350
Personal injury	27,517	37,560	38,248	39,146	34,994	52,608	56,805	60,736
Personal injury product liability [1]	(NA)	12,507	12,459	14,145	9,118	22,111	26,253	30,542
Asbestos	(NA)	4,239	5,463	7,774	(NA)	11,194	15,060	19,467
Other personal injury	27,517	25,053	25,789	25,001	25,876	30,497	30,552	30,194
Personal property damage	5,022	4,033	4,078	3,801	6,068	4,635	4,685	4,614
Actions under statutes [1]	75,574	119,160	113,392	114,836	88,534	121,295	112,247	114,340
Civil rights [1]	12,944	19,553	20,128	19,785	18,819	26,148	25,972	25,354
Employment	5,017	8,082	9,174	8,986	8,893	12,187	12,413	12,256
Bankruptcy suits	1,688	6,331	4,561	4,701	1,443	4,866	3,978	3,981
Antitrust	1,496	1,082	877	785	2,968	1,915	1,598	1,418
Banks and banking	202	343	518	520	260	422	531	553
Commerce (ICC rates, etc.)	1,105	912	922	1,063	6,194	747	690	688
Environmental matters	557	652	641	702	751	912	928	1,078
Prisoner petitions	23,287	33,468	33,765	37,316	18,008	29,982	29,546	30,446
Forfeiture and penalty	3,019	4,908	3,480	3,493	2,282	3,658	2,700	2,922
Labor laws	8,640	11,749	12,839	12,746	9,045	11,002	11,619	11,840
Protected property rights [3]	3,783	5,412	5,681	5,514	4,014	5,151	5,323	5,483
Securities commodities and exchanges	1,694	3,266	3,059	3,020	3,255	5,082	5,220	5,327
Social Security laws	9,043	19,771	14,407	13,322	13,154	20,302	12,044	12,823
Tax suits	3,262	2,966	2,750	2,784	3,075	2,972	2,951	3,051
Freedom of information	627	565	505	444	617	555	494	465

NA Not available. [1] Includes other types not shown separately. [2] Includes enforcement of judgments in student loan cases, and overpayments of veterans benefits. [3] Includes copyright, patent, and trademark rights.

No. 309. U.S. District Courts—Trials: 1970 to 1987

[As of **end of fiscal year**; see text, section 10. A trial is defined as a contested proceeding (other than a hearing on a motion) before either court or jury in which evidence is introduced and final judgment sought. See also *Historical Statistics, Colonial Times to 1970*, series H 1112-1118]

TYPE OF TRIAL	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**16,032**	**19,236**	**18,563**	**19,825**	**21,239**	**21,397**	**21,345**	**20,830**	**20,729**	**20,242**	**19,985**
Civil trials	9,449	11,603	11,764	13,191	14,697	14,753	14,689	14,374	14,254	13,276	13,162
Nonjury	6,078	7,903	8,348	9,254	10,047	10,074	9,712	9,037	8,817	8,054	7,597
Jury	3,371	3,700	3,416	3,937	4,650	4,679	4,977	5,337	5,437	5,222	5,565
Criminal trials	6,583	7,633	6,799	6,634	6,542	6,644	6,656	6,456	6,475	6,966	6,823
Nonjury	2,357	2,726	3,132	3,216	2,962	3,076	3,003	2,823	2,778	3,066	2,912
Jury	4,226	4,907	3,667	3,418	3,580	3,568	3,653	3,633	3,697	3,900	3,911

No. 310. U.S. District Courts—Criminal Cases Commenced and Defendants Disposed of, by Nature of Offense: 1985 and 1987

[For years ending **June 30**]

NATURE OF OFFENSE	1985		Cases commenced,[1] 1987	DISPOSITION OF DEFENDANTS, 1987								
	Cases commenced[1]	Defendants disposed of		Total defendants disposed of	Not convicted		Convicted [2]			Sentenced		
					Total	Acquitted	Total	Guilty plea [3]	By court or jury	Imprisonment	Probation	Fine and other
Total	**38,546**	**47,360**	**42,156**	**54,168**	**10,226**	**1,442**	**43,942**	**38,440**	**5,502**	**23,344**	**16,023**	**4,575**
General offenses:												
Homicide	160	170	146	156	41	13	115	74	41	95	5	15
Robbery	1,236	1,387	1,291	1,372	147	23	1,225	1,069	156	1,168	56	1
Assault	552	555	705	718	183	50	535	403	132	316	171	48
Burglary	158	165	119	133	28	-	105	97	8	75	26	4
Larceny—theft	3,571	4,108	3,451	4,030	801	88	3,229	2,965	264	1,377	1,604	248
Embezzlement and fraud	7,912	9,044	9,444	11,117	1,573	246	9,544	8,578	966	4,111	5,130	303
Auto theft	300	461	253	405	59	7	346	322	24	243	101	2
Forgery, counterfeiting	2,118	2,372	2,135	2,529	353	26	2,176	2,032	144	1,099	1,058	19
Sex offenses	266	200	359	334	62	15	272	231	41	168	101	3
DAPCA [4]	6,690	11,177	8,869	15,130	2,431	354	12,699	10,655	2,044	9,907	2,680	112
Misc. general offenses	15,583	17,721	15,384	18,244	4,548	590	13,696	12,014	1,682	4,785	5,091	3,820

- Represents zero. [1] Excludes transfers. [2] Convicted and sentenced. [3] Includes nolo contendere. [4] All marihuana, narcotics and controlled substances prosecutions under the Drug Abuse, Prevention and Control Act.

Source of tables 308-310: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

No. 311. U.S. DISTRICT COURTS—DEFENDANTS CHARGED WITH VIOLATIONS OF DRUG ABUSE PREVENTION AND CONTROL ACT: 1980 TO 1987

[For years ending **June 30**]

ITEM	MARIHUANA					DRUGS					CONTROLLED SUBSTANCES (prescribed drugs)				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Defendants disposed of	**1,690**	**3,179**	**3,984**	**3,989**	**4,404**	**3,290**	**4,548**	**5,595**	**7,321**	**8,976**	**1,363**	**1,464**	**1,598**	**1,624**	**1,750**
Not convicted	569	667	854	904	942	749	786	868	1,009	1,210	276	279	246	257	279
Dismissed [1]	483	516	709	777	816	620	668	692	813	982	234	237	200	221	249
Convicted	1,121	2,512	3,130	3,085	3,462	2,541	3,762	4,727	6,312	7,766	1,087	1,185	1,352	1,367	1,471
By guilty plea and nolo contendere	772	1,895	2,523	2,637	2,968	1,830	2,935	3,839	5,125	6,404	848	963	1,138	1,126	1,283
Imprisonment, total [2]	**754**	**1,841**	**2,036**	**2,048**	**2,354**	**1,945**	**3,049**	**3,701**	**5,058**	**6,388**	**780**	**866**	**1,049**	**1,046**	**1,165**
Regular sentence	555	1,344	1,512	1,594	1,855	1,410	2,326	2,885	4,169	5,361	582	636	810	838	972
Avg. sentence (mo.)	47.2	54.4	53.2	55.7	61.4	60.8	71.8	69.6	73.1	74.9	46.5	67.6	69.3	81.2	85.0
Other sentences to prison [2]	199	497	524	454	499	535	723	816	889	1,027	198	230	239	208	193
Probation, total	**341**	**616**	**938**	**902**	**1,040**	**588**	**661**	**960**	**1,148**	**1,346**	**303**	**307**	**287**	**303**	**294**
Avg. sentence (mo.)	37.9	42.0	31.2	33.4	35.3	39.9	44.3	39.7	41.6	42.8	37.2	43.4	40.5	43.7	42.6
Fine only	20	11	83	91	62	4	4	3	15	17	3	3	6	2	6
Other [3]	6	44	73	44	6	4	48	63	91	15	1	9	10	16	6

[1] Includes defendants committed under 28 USC 2902, Narcotic Addict Rehabilitation Act of 1966. [2] Split or mixed sentences of prison and probation in the same case as well as indeterminate and Youth Corrections Act sentences are included under total imprisonment and other sentences to prison. [3] Includes deportation, suspended sentences, imprisonment for four days or less or for time already served, remitted and suspended fines and life sentences.

Source: Administrative Office of the U.S. Courts, *Annual Report of the Director.*

NO. 312. FEDERAL PROSECUTIONS OF PUBLIC CORRUPTION: 1974 TO 1986

[As of **Dec. 31.** Prosecution of persons who have corrupted public office in violation of Federal Criminal Statutes]

PROSECUTION STATUS	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total: [1] Indicted	291	255	563	507	557	687	721	878	729	1,073	936	1,182	1,192
Convicted	217	179	380	440	409	555	552	730	671	972	934	997	1,027
Awaiting trial	5	27	199	210	205	187	213	231	186	222	269	256	246
Federal officials: Indicted	59	53	111	129	133	128	123	198	158	[2] 460	408	563	596
Convicted	51	43	101	94	91	115	131	159	147	[2] 424	429	470	523
Awaiting trial	1	5	1	32	42	21	16	23	36	58	77	90	83
State officials: Indicted	36	36	59	50	55	58	72	87	49	81	58	79	88
Convicted	23	18	35	38	56	32	51	66	43	65	52	66	71
Awaiting trial	-	5	30	33	20	30	28	36	18	26	21	20	24
Local officials: Indicted	130	139	194	157	171	212	247	244	257	270	203	248	232
Convicted	87	94	100	164	127	156	168	211	232	226	196	221	207
Awaiting trial	4	15	98	62	72	67	82	102	58	61	74	49	55

- Represents zero. [1] Includes individuals who are neither public officials nor employees but who were involved with public officials or employees in violating the law, not shown separately. [2] Increases in the number indicted and convicted between 1982 and 1983 resulted from a greater focus on federal corruption nationwide and more consistent reporting of cases involving lower-level employees.

Source: U.S. Department of Justice, *Federal Prosecutions of Corrupt Public Officials, 1970–1980* and *Report to Congress on the Activities and Operations of the Public Integrity Section,* annual.

NO. 313. CONVICTIONS IN FEDERAL COURT FOR FEDERAL WHITE COLLAR AND RELATED CRIMES AND INCARCERATIONS, BY TYPE OF OFFENSE: 1980 TO 1985

[White collar crime is defined as a nonviolent crime for financial gain committed by deception, such as counterfeiting, embezzlement, forgery, fraud, or regulatory offense]

OFFENSE	NUMBER OF DEFENDANTS CONVICTED						PERCENT OF CONVICTED OFFENDERS SENTENCED TO INCARCERATION						Median length of sentence, 1985 (months)
	1980	1981	1982	1983	1984	1985	1980	1981	1982	1983	1984	1985	
All offenses	**29,952**	**31,819**	**34,245**	**37,295**	[1] **39,071**	[1] **40,649**	**46**	**48**	**51**	**50**	**49**	**50**	18
White collar	9,121	9,572	10,591	10,877	10,611	10,733	39	40	43	41	38	40	15
Tax fraud	1,366	1,189	1,099	973	1,163	1,204	34	38	46	49	47	48	12
Lending and credit fraud	406	489	453	473	494	540	46	43	40	37	40	39	12
Wire fraud	1,048	1,199	1,221	1,348	1,692	1,428	53	59	56	50	39	50	24
Other fraud	1,845	1,995	2,670	3,004	2,795	2,800	33	34	38	34	33	37	12
Embezzlement	1,626	1,780	2,029	1,998	1,767	1,753	28	28	29	30	28	28	6
Forgery	1,564	1,310	1,783	1,844	1,652	2,014	51	54	53	53	50	45	24
Counterfeiting	657	677	868	751	571	503	57	54	59	56	59	58	24
Regulatory offense	609	933	468	486	477	491	19	22	23	20	19	17	6
Nonwhite collar	20,831	22,247	23,654	26,418	28,457	29,816	49	51	55	54	53	54	24

[1] Includes 3 offenders in 1984, and 100 offenders in 1985 whose offense type was unknown.

Source: U.S. Bureau of Justice Statistics, *White Collar Crime,* September 1987, and unpublished data.

NO. 314. CHARACTERISTICS OF PERSONS ARRESTED FOR FEDERAL CRIMES, BY TYPE OF OFFENSE: 1984–1985

[White collar crime is defined as a nonviolent crime for financial gain committed by deception, such as counterfeiting, embezzlement, forgery, fraud, or regulatory offense]

OFFENSE	PERCENT OF PERSONS ARRESTED WHO WERE—									
	Sex		Race		Ethnicity		Age		Education	
	Male	Female	White	Black and other	Hispanic	Non-Hispanic	40 years and under	Over 40 years	No college	Attended college
All offenses	**84**	**16**	**72**	**28**	**21**	**79**	**75**	**25**	**74**	[illegible]
White collar	74	26	66	34	10	90	66	34	67	[illegible]
Tax fraud	88	12	93	7	2	98	33	67	56	44
Lending and credit fraud	82	18	91	19	5	95	60	40	51	[illegible]
Wire fraud	83	17	69	31	5	95	59	41	58	[illegible]
Other fraud	75	25	62	38	15	85	64	36	65	[illegible]
Embezzlement	59	41	68	32	10	90	74	26	60	[illegible]
Forgery	70	30	52	48	11	89	80	20	83	17
Counterfeiting	86	14	76	24	9	91	73	27	76	24
Regulatory offense	92	8	90	10	11	89	50	50	65	35
Nonwhite collar	87	13	74	26	26	74	78	22	78	22

Source: U.S. Bureau of Justice Statistics, *White Collar Crime,* September 1987.

NO. 315. CHILDREN'S CASES DISPOSED OF BY JUVENILE COURTS: 1970 TO 1984

[For definition of delinquency cases, see text, section 5. Dependency and neglect cases are all cases referred to the court for some form of neglect or inadequate care on the part of parents or guardians. See also *Historical Statistics, Colonial Times to 1970,* series H 1119–1124]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984
Population 10–17 years old [1]	1,000	32,614	33,960	31,643	31,171	30,725	29,914	29,345	28,475
Delinquency cases, excluding traffic	1,000	1,052	1,317	1,374	1,445	1,350	1,292	1,276	1,304
Per 1,000 population 10–17 years old	Rate	32.3	38.8	43.4	46.4	44.0	43.2	43.5	45.8
Male	1,000	800	1,002	1,058	1,121	1,024	990	980	986
Female	1,000	252	315	316	324	326	303	295	318
Percent of total cases	Percent	24.0	23.9	23.0	22.4	24.1	23.4	23.1	24.4
Population under 18 years old [1]	1,000	70,810	68,314	65,335	64,908	64,405	63,763	63,812	62,708
Dependency and neglect cases	1,000	133	143	157	153	185	172	196	(NA)
Per 1,000 population under 18 years old	Rate	1.9	2.1	2.5	2.3	2.9	2.7	3.1	(NA)

NA Not available. [1] U.S. Bureau of the Census estimates of civilian population as of July 1.

Source: National Center for Juvenile Justice, Pittsburgh, PA, *Juvenile Court Statistics,* annual. (Copyright.)

NO. 316. JUVENILES HELD IN CUSTODY—PUBLIC AND PRIVATE JUVENILE RESIDENTS AND FACILITIES: 1979 TO 1985

[Public and private facilities for juveniles include detention centers, shelters, reception and diagnostic centers, training schools, halfway houses, group homes, ranches, forestry camps, and farms]

CHARACTERISTIC	Unit	PUBLIC CUSTODY			PRIVATE CUSTODY		
		1979	1983	1985	1979	1983	1985
Number of residents [1] [2]	Number	45,396	50,799	51,402	28,717	31,473	34,112
Juvenile [3]	Number	43,234	48,701	49,322	28,688	31,390	34,080
Average age [4]	Years	15.3	15.4	15.4	14.9	14.9	14.8
Male	Number	37,167	42,182	42,549	20,512	22,242	23,844
Female	Number	6,067	6,519	6,773	8,176	9,148	10,236
White	Number	26,053	27,805	29,969	21,654	22,377	23,999
Black	Number	13,752	18,020	18,269	5,843	7,822	9,204
Number of admissions (all residents) [5] [6]	Number	568,802	530,200	527,759	69,507	88,806	101,007
Number of departures (all residents) [5] [6]	Number	560,751	522,599	520,903	64,574	84,399	96,006
Average daily residents [6]	Number	47,803	50,208	49,480	28,566	31,685	33,121
Facilities, total [2] [7]	Number	1,015	1,023	1,040	1,561	1,877	[illegible]
Occupancy less than 70 percent	Percent	34	30	35	22	22	20
70–100 percent	Percent	56	56	55	76	76	79
More than 100 percent	Percent	10	14	10	2	2	1
Personnel, total [2] [8]	Number	61,108	58,654	(NA)	32,921	37,411	(NA)
Expenditures [5] [9]	Mil. dol	842.5	1,148.3	1,247.9	465.2	719.0	805.5
Capital	Mil. dol	53.3	43.3	(NA)	25.9	45.5	(NA)
Operating	Mil. dol	789.2	1,105.0	1,247.9	439.3	673.5	805.5
Per capita operating cost [10]	$1,000	16.5	22.0	25.2	15.4	21.3	24.3

NA Not available. [1] Includes adults. [2] Data for December 31, 1979, February 1, 1983, and February 1, 1985. [3] Includes races not reported and races not shown. [4] Based on juvenile residents only. [5] Data are for calender years 1979, 1982, and 1984. [6] Juvenile and adult. [7] Occupancy is calculated on the average daily resident population. [8] 1979 includes community volunteers; 1983 generally includes volunteers; excludes 4,600 in California, and large but unspecified numbers in Ohio and South Carolina. [9] Current dollars, unadjusted for inflation. [10] Based on average daily residents.

Source: 1979, U.S. Law Enforcement Assistance Administration, unpublished data; 1983, U.S. Office of Juvenile Justice and Delinquency Prevention, *Children in Custody: Advance Report on the 1982 Census of Public Juvenile Facilities;* and *Children in Custody: Advance Report on the 1982 Census of Private Juvenile Facilities;* and 1985, U.S. Bureau of Justice Statistics, *Census of Public and Private Juvenile Detention, Correctional, and Shelter Facilities, 1975–85.*

NO. 317. JAIL INMATES, BY RACE AND DETENTION STATUS: 1978 TO 1986

[Excludes Federal and State prisons or other correctional institutions; institutions exclusively for juveniles; State-operated jails in Connecticut, Delaware, Hawaii, Rhode Island, and Vermont; and other facilities which retain persons for less than 48 hours. As of June 30. For the years 1982 and 1984-1986 data based on sample survey and subject to sampling variability; 1978 and 1983, based on the National Jail Census]

CHARACTERISTIC	1978	1982	1983	1984	1985	1986
Total inmates [1]	**158,394**	**209,582**	**223,552**	[1] **234,500**	[1] **256,615**	[1] **274,444**
Percent of rated capacity	65	84	85	90	94	96
Percent of operational capacity	64	95	81	(NA)	(NA)	(NA)
Male	148,839	195,730	207,783	216,275	235,909	251,235
Female	9,555	13,852	15,769	16,743	19,077	21,501
White	89,418	(NA)	130,118	138,355	151,403	159,178
Black	65,104	(NA)	87,508	93,800	102,646	112,522
Other races	3,872	(NA)	5,926	2,345	2,566	2,744
Hispanic [2]	16,349	(NA)	31,297	30,485	35,926	38,422
Non-Hispanic	142,045	(NA)	192,254	204,015	220,689	236,022
Adult [3]	156,783	207,853	221,815	233,018	254,986	272,736
Awaiting arraignment or trial	77,453	118,189	113,984	116,331	127,059	142,112
Convicted	75,438	89,664	107,660	113,491	123,409	127,067
Juvenile [4]	1,611	1,729	1,736	1,482	1,629	1,708

NA Not available. [1] Includes juveniles not shown separately by sex. [2] Hispanic persons may be of any race. [3] Includes inmates not classified by conviction status. [4] Juveniles are persons whose age makes them initially subject to juvenile court authority although they are sometimes tried as adults in criminal court.

Source: U.S. Bureau of Justice Statistics, *Profile of Jail Inmates, 1978*, and *Jail Inmates*, annual.

NO. 318. FEDERAL AND STATE PRISONERS: 1950 TO 1987

[Prior to 1970, excludes State institutions in Alaska and for 1950, those in Hawaii. Beginning 1980, includes all persons under jurisdiction of Federal and State authorities rather than those in the custody of such authorities. Represents inmates sentenced to maximum term of more than a year. See also *Historical Statistics, Colonial Times to 1970*, series H 1135-1140]

YEAR	PRESENT AT END OF YEAR						RECEIVED FROM COURTS					
	All institutions		Federal		State		All institutions		Federal		State	
	Number	Rate [1]	Number	Rate [1]	Number	Rate [1]	Number	Rate [1]	Number	Rate [1]	Number	Rate [1]
1950	166,123	110.3	17,134	11.4	148,989	98.9	69,473	46.1	14,237	9.5	55,236	36.7
1960	212,953	118.6	23,218	12.9	189,735	105.7	88,575	49.3	13,723	7.6	74,852	41.7
1965	210,895	109.5	21,040	10.9	189,855	98.6	87,505	45.4	12,781	6.6	74,724	38.8
1970	196,429	96.7	20,038	9.8	176,391	86.8	79,351	39.1	12,047	5.9	67,304	33.1
1975	240,593	113.3	24,131	11.4	216,462	102.0	129,573	61.0	16,770	7.9	112,803	53.1
1980	315,974	139.2	20,611	9.1	295,363	130.1	142,122	62.7	10,907	4.8	131,215	57.9
1982	395,516	170.6	23,652	10.2	371,864	160.4	177,109	76.1	12,461	5.4	164,648	70.7
1983	419,721	178.5	26,331	11.2	393,390	168.1	187,408	80.1	14,119	6.0	173,289	74.1
1984	445,399	188.0	27,602	12.0	417,797	176.0	180,418	76.0	13,491	5.7	166,927	70.3
1985	481,393	200.6	32,695	13.6	448,698	187.0	198,499	82.7	15,368	6.4	183,131	76.3
1986	522,485	216.0	36,531	15.0	485,954	201.0	219,382	91.0	16,067	7.0	203,315	84.0
1987	557,256	228.0	39,523	16.0	517,733	212.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Rate per 100,000 estimated population.

Source: U.S. Bureau of Justice Statistics, *Prisoners in State and Federal Institutions on December 31*, annual, and *Correctional Populations in the United States*, annual.

NO. 319. STATE PRISON INMATES—SELECTED CHARACTERISTICS: 1979 AND 1986

[Based on a sample survey of about 13,711 inmates in 1986 and 11,397 inmates in 1979; subject to sampling variability]

CHARACTERISTIC	NUMBER		PERCENT OF PRISON INMATES	
	1979	1986	1979	1986
Total	**274,564**	**447,185**	**100.0**	**100.0**
Under 18 years old	2,220	2,057	.8	.5
18-24 years old	97,860	120,384	35.6	26.7
25-34 years old	116,264	205,817	42.4	45.7
35-44 years old	37,926	87,502	13.8	19.4
45-54 years old	13,987	23,524	5.1	5.2
55-64 years old	4,786	8,267	1.7	1.8
65 years old and over	1,499	2,808	.5	.6
Male	263,484	430,604	96.0	95.6
Female	11,080	19,812	4.0	4.4
White	136,295	223,648	49.6	49.7
Black	131,329	221,021	47.8	46.9
Other races	6,939	15,412	2.6	3.4

CHARACTERISTIC	NUMBER		PERCENT OF PRISON INMATES	
	1979	1986	1979	1986
Never married	142,414	241,707	51.9	53.7
Married	61,420	91,492	22.4	20.3
Widowed	6,248	8,343	2.3	1.9
Divorced	46,314	81,263	16.9	18.1
Separated	18,168	26,985	6.6	6.0
Years of school:				
Less than 12 years	144,771	276,309	52.7	61.6
12 years or more	129,792	172,385	47.3	38.4
Pre-arrest employment status:				
Employed	192,800	309,364	70.5	69.0
Full-time	165,577	257,391	60.5	57.4
Part-time	27,223	51,973	10.0	11.6
Not employed	80,663	138,773	29.5	31.0
Looking for work	38,230	80,508	14.0	18.0
Not looking for work	42,433	58,265	15.5	13.0

Source: U.S. Bureau of Justice Statistics, *Profile of State Prison Inmates, 1986*, January 1988.

NO. 320. STATE PRISON INMATES, BY CRIMINAL HISTORY AND SELECTED CHARACTERISTICS OF THE INMATE: 1986

[Based on a sample survey of about 13,711 inmates. Violent/nonviolent refers to the current or past criminal offense for which the inmate is or was incarcerated; see table 277 for types of crime; subject to sampling variability]

CHARACTERISTIC	CRIMINAL HISTORY OF PRISON INMATES								
	Total	First-timers			Recidivists [1]				
		Total	Non-violent	Violent	Total	Non-violent	Prior violent only	Current violent only	Current and prior violent
Prison inmates, total	**447,185**	**82,791**	**23,808**	**58,983**	**364,393**	**129,465**	**49,827**	**98,946**	**86,155**
Percent of total	100.0	18.5	5.3	13.2	81.5	29.0	11.1	22.1	19.3
Percent distribution:									
Male	95.6	92.7	91.2	93.3	96.3	93.6	97.5	97.4	98.3
Female	4.4	7.3	8.8	6.7	3.7	6.4	2.5	2.6	1.7
White	49.7	54.2	63.2	50.7	48.6	56.9	44.9	47.1	40.2
Black	46.9	42.0	33.3	45.6	48.0	40.5	51.6	48.9	56.2
Other races	3.4	3.6	3.5	3.7	3.4	2.6	3.5	4.0	3.6
Median age (years)	28	29	29	28	28	27	29	28	30
Median age at first arrest (years)	17	22	23	22	16	17	16	16	15
Median age at first confinement (years)	19	24	25	24	18	19	17	19	18
Average number of months served on current confinement	27.3	21.9	21.0	30.6	20.6	19.6	20.7	32.1	32.0

[1] An individual who has been previously sentenced to probation or incarceration as a juvenile or adult.

Source: U.S. Bureau of Justice Statistics, *Profiles of State Prison Inmates, 1986*, January 1988.

NO. 321. ADULTS UNDER CORRECTIONAL SUPERVISION, BY STATE: 1986

[**In thousands, except rate.** As of **Dec. 31.** Excludes juveniles, persons incarcerated in mental health institutions in lieu of prison, persons held by the armed services, persons held on Indian reservations, parolees under county jurisdiction, parolees whose sentences were for 1 year or less, and court probationers (those not placed under the supervisory authority of a probation agency). For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	Total [1]	Rate [2]	Prison [3]	Parole [4]	Probation [5]
U.S. [6]	**3,239.0**	**182**	**545.1**	**326.8**	**2,094.4**
Regions:					
Northeast	601.4	158	82.4	88.3	394.4
Midwest	621.9	143	103.0	43.1	436.6
South	1,264.1	208	214.6	124.6	836.3
West	579.8	163	100.8	53.4	367.9
N.E	**181.8**	**187**	**16.7**	**5.9**	**154.9**
ME	6.4	74	1.3	-	4.6
NH	5.4	70	.8	.5	3.6
VT	6.4	160	.7	.3	5.4
MA	104.1	232	5.6	4.0	91.2
RI	10.1	135	1.4	.5	8.2
CT	49.4	203	6.9	.6	41.9
M.A	**419.7**	**149**	**65.6**	**82.4**	**239.6**
NY	191.2	143	38.4	29.3	107.6
NJ	85.1	147	12.0	14.1	53.0
PA	143.4	159	15.2	39.0	79.0
E.N.C	**466.7**	**153**	**78.5**	**31.3**	**326.9**
OH	107.6	136	22.5	6.1	71.9
IN	66.3	165	10.2	3.3	49.3
IL	116.8	138	19.5	12.3	76.2
MI	139.1	209	20.7	5.9	104.9
WI	37.0	105	5.7	3.7	24.6
W.N.C	**155.0**	**120**	**24.4**	**11.8**	**109.7**
MN	41.0	132	2.5	1.4	35.2
IA	16.1	86	2.8	1.9	12.6
MO	50.2	134	10.3	5.2	30.9
ND	2.3	47	.4	.2	1.5
SD	4.1	80	1.2	.4	2.2
NE	14.4	123	2.0	.3	11.3
KS	25.0	138	5.3	2.4	16.0
S.A	**628.4**	**205**	**116.2**	**38.8**	**428.7**
DE	11.8	249	2.8	1.0	8.0
S.A.—Con.					
MD	94.5	282	13.3	7.5	68.1
DC	24.9	510	6.6	3.7	12.3
VA	42.0	96	12.9	5.8	17.7
WV	7.2	51	1.5	.7	4.8
NC	83.1	177	17.7	3.3	58.6
SC	35.5	145	11.7	2.9	18.2
GA	138.6	316	17.4	10.4	100.6
FL	190.2	210	32.2	3.5	140.2
E.S.C	**123.2**	**112**	**31.3**	**18.7**	**58.6**
KY	19.4	71	5.3	3.6	6.8
TN	48.5	137	7.6	8.6	28.3
AL	36.2	123	11.7	3.0	17.0
MS	19.2	105	6.7	3.5	6.5
W.S.C	**512.7**	**269**	**67.1**	**67.3**	**350.9**
AR	20.1	116	4.7	3.8	10.1
LA	54.7	173	14.3	4.2	27.7
OK	36.5	152	9.6	1.7	23.0
TX	401.3	341	38.5	57.5	290.1
Mt	**106.8**	**116**	**25.3**	**9.3**	**62.1**
MT	5.1	87	1.1	.7	2.9
ID	6.3	91	1.4	.5	3.8
WY	3.3	93	.9	.3	1.8
CO	25.7	107	3.8	2.0	17.2
NM	9.0	87	2.4	1.1	4.2
AZ	34.6	145	9.4	2.0	20.3
UT	10.3	98	1.8	1.2	6.4
NV	12.3	170	4.4	1.5	5.5
Pac	**473.0**	**180**	**75.5**	**44.0**	**305.9**
WA	69.1	209	6.6	7.7	51.2
OR	31.9	159	4.8	2.1	22.7
CA	355.1	179	59.5	33.2	220.7
AK	5.5	152	2.5	.1	2.8
HI	11.5	148	2.2	.9	8.4

- Represents zero. [1] Includes jail. [2] Rate per 10,000 persons 18 years old and over. [3] Includes all inmates of Federal and State institutions. [4] Includes all adults under State parole supervision, whether released from prison via parole board decision or mandatory release, who were sentenced to more than 1 year in prison. [5] Includes all adults who, as part of a State, or local court order, have been placed under the supervisory authority of a probation agency. [6] Includes both State and Federal.

Source: U.S. Bureau of Justice Statistics, *Probation and Parole*, annual; *Prisoners in State and Federal Institutions on December 31*, annual; and *Correctional Populations in the United States*, annual.

No. 322. PRISONERS UNDER JURISDICTION OF STATE AND FEDERAL CORRECTIONAL AUTHORITIES—SUMMARY, BY STATE: 1980 TO 1987

[For years ending Dec. 31, except as noted]

SEX, REGION, DIVISION AND STATE	1980, total	1985, total	1986, total	1987		SENTENCED TO MORE THAN ONE YEAR				
				Total prisoners	Prisoners as percent of capacity [1]	1980	1985	1986	1987	
									Total	Rate per 100,000 population [2]
U.S.	**329,821**	**503,271**	**545,133**	**561,609**	**116.2**	**315,974**	**481,393**	**522,485**	**557,256**	**228**
Male	316,401	480,147	518,478	552,770	(NA)	303,643	459,934	497,682	530,559	445
Female	13,420	23,124	26,655	28,839	(NA)	12,331	21,459	24,803	26,697	21
Federal institutions [3]	24,363	40,223	44,408	48,300	159.3	20,611	32,695	36,531	39,523	16
State institutions	305,458	463,048	500,725	533,309	113.5	295,363	448,698	485,954	517,733	212
Region:										
Northeast	45,796	75,706	82,364	88,903	117.9	43,165	72,656	79,066	85,256	169
Midwest	66,211	95,704	102,964	111,095	117.0	64,494	95,245	102,552	110,671	185
South	146,358	202,926	214,620	221,592	107.9	142,650	195,866	207,308	214,236	254
West	47,093	88,712	100,777	111,719	118.4	45,054	84,929	97,028	107,570	214
N. Eng	**9,926**	**15,432**	**16,694**	**18,132**	**146.0**	**7,850**	**12,490**	**13,432**	**14,506**	**112**
ME	814	1,226	1,316	1,328	128.3	671	967	1,242	1,267	106
NH [4]	326	683	782	867	135.7	326	683	782	867	81
VT [5]	480	677	697	759	130.8	342	443	439	505	91
MA [6]	3,185	5,390	5,636	6,238	164.6	3,150	[7] 5,390	[7] 5,636	[7] 6,238	106
RI [5]	813	1,307	1,358	1,429	99.6	611	964	1,007	992	100
CT [5]	4,308	6,149	6,905	7,511	152.0	2,750	4,043	4,326	4,637	144
Mid. Atl	**35,870**	**60,274**	**65,670**	**70,771**	**112.3**	**35,315**	**60,166**	**65,634**	**70,750**	**189**
NY	21,815	34,712	38,449	40,842	105.1	21,639	34,712	38,449	40,842	229
NJ [6]	5,884	11,335	12,020	13,662	116.6	5,564	11,335	12,020	13,662	177
PA	8,171	14,227	15,201	16,267	130.7	8,112	14,119	15,165	16,246	136
E. No. Cent	**51,175**	**72,599**	**78,533**	**84,797**	**119.4**	**49,598**	**72,280**	**78,302**	**84,585**	**201**
OH	13,489	20,864	22,463	24,240	136.3	13,489	[7] 20,864	[7] 22,463	[7] 24,240	224
IN [6]	6,683	9,904	10,175	10,827	110.5	6,281	9,615	9,963	10,634	192
IL	11,899	18,634	19,456	19,850	106.1	10,724	18,634	19,456	19,850	171
MI [6]	15,124	17,755	20,742	23,879	118.9	15,124	17,755	20,742	23,879	259
WI	3,980	5,442	5,697	6,001	128.2	3,980	5,412	5,678	5,982	124
W. No. Cent	**15,036**	**23,105**	**24,431**	**26,298**	**110.2**	**14,896**	**22,965**	**24,250**	**26,086**	**148**
MN	2,001	2,343	2,462	2,546	96.4	2,001	2,343	2,462	2,546	60
IA [6]	2,481	2,832	2,777	2,863	98.8	2,479	2,832	2,777	2,863	101
MO	5,726	9,915	10,309	11,357	100.0	5,726	9,915	10,309	11,357	222
ND	253	422	421	430	87.0	185	375	361	380	57
SD	635	1,047	1,164	1,135	98.2	609	1,035	1,133	1,096	154
NE	1,446	1,814	1,953	2,086	135.5	1,402	1,733	1,863	1,963	123
KS	2,494	4,732	5,345	5,881	155.3	2,494	4,732	5,345	5,881	237
So. Atl	**78,815**	**108,228**	**116,153**	**119,561**	**108.4**	**75,391**	**101,620**	**109,233**	**112,592**	**268**
DE [5]	1,474	2,553	2,823	2,931	109.2	1,087	1,759	1,946	2,120	327
MD	7,731	13,005	13,326	13,467	108.5	7,731	12,303	[7] 12,559	[7] 12,912	282
DC [5,6,8]	3,145	6,404	6,618	7,448	103.6	2,719	4,604	4,787	5,585	901
VA	8,920	12,073	12,930	13,321	127.6	8,581	11,717	12,545	12,931	217
WV [4]	1,257	1,725	[8] 1,482	[8] 1,461	92.6	1,257	1,725	1,482	1,461	77
NC	15,513	17,344	17,698	17,249	99.4	14,456	16,007	[7] 16,373	[7] 16,151	250
SC	7,862	10,510	11,676	12,664	129.1	7,427	9,908	11,022	11,862	344
GA [6]	12,178	16,014	17,363	18,575	108.6	11,922	15,115	16,291	17,210	274
FL [6]	20,735	28,600	32,237	32,445	102.2	20,211	28,482	32,228	32,360	265
E. So. Cent	**21,055**	**30,335**	**31,336**	**32,753**	**107.0**	**20,771**	**29,885**	**30,944**	**32,366**	**211**
KY	3,588	5,801	[8] 5,288	[8] 5,471	101.8	3,588	5,801	[8] 5,288	[8] 5,471	147
TN [6,9]	7,022	7,127	7,591	7,624	98.5	7,022	7,127	7,591	7,624	156
AL	6,543	11,015	11,710	12,827	115.5	6,368	10,749	11,504	12,602	307
MS	3,902	6,392	6,747	6,831	107.2	3,793	6,208	6,561	6,669	254
W. So. Cent	**46,488**	**64,363**	**67,131**	**69,278**	**107.5**	**46,488**	**64,363**	**67,131**	**69,278**	**257**
AR [6]	2,911	4,611	4,701	5,443	100.8	2,911	[7] 4,611	[7] 4,701	[7] 5,443	227
LA	8,889	13,890	14,300	15,375	131.0	8,889	13,890	14,300	15,375	346
OK	4,796	8,330	9,596	9,639	129.3	4,796	[7] 8,330	[7] 9,596	[7] 9,639	296
TX [6]	29,892	37,532	38,534	38,821	97.5	29,892	37,532	38,534	38,821	231
Mt.	**13,141**	**22,798**	**25,280**	**28,335**	**106.7**	**13,024**	**22,329**	**24,743**	**27,842**	**210**
MT	739	1,129	1,111	1,187	114.8	738	1,129	1,111	1,187	147
ID	817	1,294	[8] 1,448	[8] 1,482	118.0	817	1,294	[8] 1,448	[8] 1,482	149
WY [6]	534	758	855	940	98.9	534	758	855	940	195
CO [6]	2,629	3,369	3,804	4,808	117.9	2,609	[7] 3,369	[7] 3,804	[7] 4,808	145
NM	1,279	2,313	2,416	2,648	104.4	1,199	2,112	2,306	2,561	169
AZ	4,372	8,531	9,434	10,948	99.9	4,360	8,273	9,038	10,558	307
UT	932	1,633	1,845	1,888	93.0	928	1,623	1,814	1,872	111
NV	1,839	3,771	4,367	4,434	119.6	1,839	3,771	4,367	4,434	432
Pac.	**33,952**	**65,914**	**75,497**	**83,384**	**122.8**	**32,030**	**62,600**	**72,285**	**79,728**	**216**
WA	4,399	6,909	6,603	6,131	104.8	4,399	6,909	6,603	6,131	134
OR	3,177	4,454	4,770	5,482	145.2	3,172	4,454	4,770	5,482	200
CA [6]	24,569	50,111	59,484	66,975	123.4	23,264	48,279	57,725	64,812	231
AK [5]	822	2,329	2,460	2,528	107.3	571	1,530	1,666	1,767	339
HI [5]	985	2,111	2,180	2,268	135.8	624	1,428	1,521	1,536	141

NA Not available. [1] States can report three estimates of prison capacity: rated, operational, and design. Some States report fewer estimates or the same number for all estimates. Excludes persons housed in local jails. Average estimate used to calculate percent of capacity. [2] Unpublished Bureau of the Census estimates as of July 1, 1987, for the resident population were used to calculate rates. [3] Includes persons held under other jurisdiction, not shown separately. [4] State estimated number of prisoners with sentences of 2 years or more instead of more than 1 year. [5] Includes both jail and prison inmates (State has combined jail and prison system). [6] Jurisdiction counts exclude prisoners held in jails because of crowding. [7] Includes an undetermined number of prisoners with sentences shorter than 1 year. [8] Numbers are custodial, not jurisdictional counts. [9] Capacity figures for males only.

Source: U.S. Bureau of Justice Statistics, *Prisoners in 1987*, and earlier reports.

NO. 323. AVERAGE TIME SERVED BY PRISONERS RELEASED FROM FEDERAL INSTITUTIONS FOR FIRST TIME, 1970 TO 1986, AND BY OFFENSE, 1986

[For **fiscal years ending in year shown;** see text, section 9. In computing averages, sentences to life and more than 45 years were counted as 45 years; minority sentences of juvenile delinquents were counted from date of sentence to 21st birthday]

YEAR AND OFFENSE	ALL FIRST RELEASES [1]			PAROLE [1]			EXPIRATION OF SENTENCE [1] [2]			YCA [3] RELEASES	
	Number	Average time (month)		Number	Average time (month)		Number	Average time (month)		Number	Avg. time served (month)
		Sentence	Served		Sentence	Served		Sentence	Served		
1970, all offenses	8,487	38.6	19.7	2,754	55.0	20.0	5,733	30.7	19.6	947	21.7
1975, all offenses	11,313	39.8	18.5	4,367	73.7	27.8	6,946	18.5	12.6	1,136	21.6
1976, all offenses	10,463	32.3	15.1	3,114	74.3	26.9	7,349	14.4	10.1	958	18.7
1977, all offenses	10,953	30.7	15.5	2,688	70.8	26.5	8,265	17.7	12.0	1,038	21.9
1978, all offenses	12,132	37.2	18.7	3,318	78.5	30.0	8,814	21.6	14.4	1,172	24.7
1979, all offenses	10,925	44.1	21.0	3,766	85.1	32.6	7,159	22.4	14.9	1,008	25.1
1980, all offenses	9,069	33.9	15.9	2,440	83.8	31.0	6,629	15.5	10.3	468	24.5
1981, all offenses	9,884	41.0	17.9	3,495	83.9	30.2	6,389	17.6	11.1	650	25.0
1982, all offenses	11,348	36.6	16.3	3,554	81.7	29.1	7,794	16.0	10.5	593	21.8
1983, all offenses	11,896	35.4	15.9	4,263	69.8	27.0	7,633	16.3	9.7	545	20.0
1984, all offenses	15,050	35.5	15.6	4,635	76.2	26.4	10,415	17.4	10.8	552	20.2
1985, all offenses	14,937	35.5	15.9	4,511	76.6	26.6	10,426	17.7	11.3	453	21.5
1986, all offenses [4]	**16,996**	**34.0**	**15.6**	**4,657**	**76.6**	**26.7**	**12,339**	**18.0**	**11.4**	**293**	**24.8**
Counterfeiting	270	33.6	15.9	94	55.5	19.5	176	21.9	14.0	6	25.0
Drug laws	4,793	43.2	19.5	1,961	68.7	24.4	2,832	25.6	16.1	86	20.8
Embezzlement	333	23.8	11.4	91	51.1	19.1	242	13.6	8.4	5	15.2
Escape, flight, or harboring a fugitive	111	30.5	18.9	21	47.1	22.3	90	26.7	18.1	5	15.0
Firearms	654	32.7	17.7	124	65.3	25.2	530	25.0	16.0	12	20.0
Forgery	470	29.0	14.8	171	49.1	19.9	299	17.6	11.9	11	19.2
Fraud	1,247	27.8	13.6	366	54.7	20.1	881	16.6	10.8	5	28.4
Immigration	4,015	5.8	3.7	206	39.1	14.6	3,809	4.0	3.1	4	20.2
Income tax	359	18.3	10.3	85	36.5	14.4	274	12.6	9.0	–	-
Kidnapping	29	251.6	85.7	19	327.0	109.5	10	108.3	40.5	5	37.8
Larceny-theft	1,330	36.9	18.3	467	59.8	23.1	863	24.5	15.8	32	17.7
Motor vehicle, interstate	225	45.4	22.1	102	56.0	21.7	123	36.7	22.4	6	19.0
Robbery	866	128.5	46.5	518	165.6	50.5	348	73.3	40.5	64	25.4
Securities, transporting false	31	55.9	40.6	8	126.0	43.3	23	31.5	15.5	–	-
White slave traffic	5	48.0	26.0	2	42.0	15.0	3	52.0	33.3	1	8.0
Military court-martial cases	11	150.7	66.0	6	185.0	64.3	5	109.6	68.2	–	-
Govt. reservation, high seas, territories, and DC	1,070	31.0	14.5	172	105.5	34.6	898	16.7	10.7	38	33.3

– Represents zero. [1] Excludes prisoners sentenced under Youth Corrections Act. [2] Includes mandatory release. [3] Youth Corrections Act. [4] Includes other offenses not shown separately. Excludes 437 first releases (escapes, pardons, etc.) other than by parole, expiration of sentence, and mandatory release; also excludes 608 second or subsequent releases.

Source: U.S. Bureau of Prisons, *Statistical Report*, annual.

NO. 324. PRISONERS UNDER SENTENCE OF DEATH: 1980 TO 1987

[As of **December 31.** Excludes prisoners under sentence of death who remained within local correctional systems pending exhaustion of appellate process or who had not been committed to prison. These data may not match data in table 325 because of revisions to totals, but not to characteristics other than race]

CHARACTERISTIC	1980	1984	1985	1986	1987
Total	**714**	**1,405**	**[1] 1,575**	**1,781**	**1,984**
White	427	804	896	1,006	1,138
Black and other	287	601	679	775	846
Under 20 years	11	11	13	19	10
20–24 years	173	215	212	217	222
25–34 years	334	702	804	872	969
35–54 years	186	453	531	639	744
55 years and over	10	24	31	34	39
Years of school completed:					
7 years or less	68	121	147	164	181
8 years	74	137	159	174	183
9–11 years	204	401	483	577	650
12 years	162	385	440	516	591
More than 12 years	43	110	127	143	168
Unknown	163	251	235	206	211

CHARACTERISTIC	1980	1984	1985	1986	1987
Marital status:					
Never married	268	570	655	772	846
Married	229	443	487	525	571
Divorced [2]	217	392	449	484	567
Time elapsed since sentencing:					
Less than 12 months	185	279	273	293	295
12–47 months	389	694	739	757	804
48–71 months	102	228	303	376	412
72 months and over	38	204	276	355	473
Legal status at arrest:					
Not under sentence	384	739	861	992	1120
Parole or probation	115	279	[3] 350	[3] 409	[3] 480
Prison or escaped	45	66	81	82	91
Unknown	170	321	299	298	293

[1] Revisions to the total number of prisoners were not carried to the characteristics except for race. [2] Includes persons married but separated, widows, widowers, and unknown. [3] 1985 and 1986, include 20 persons; 1987, includes 22 persons on mandatory conditional release, work release, leave, AWOL, or bail.

Source: U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

NO. 325. MOVEMENT OF PRISONERS UNDER SENTENCE OF DEATH: 1975 TO 1987

[Prisoners reported under sentence of death by civil authorities. The term "under sentence of death" begins when the court pronounces the first sentence of death for a capital offense. As a result of a major procedural change, beginning 1977, all data except executions are not strictly comparable to corresponding data for earlier years. See source for explanation]

STATUS	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Under sentence of death, Jan. 1	244	420	423	483	595	697	865	1,072	1,216	1,420	1,575	1,800
Received death sentence [1]	322	159	210	173	203	250	287	263	296	281	297	299
White	145	82	123	104	125	131	166	156	173	165	164	190
Black	174	75	85	67	77	115	117	105	119	114	123	106
Dispositions other than executions	78	155	150	59	101	82	76	117	69	108	73	90
Executions	-	1	-	2	-	1	2	5	21	18	18	25
Under sentence of death, Dec. 31 [1]	488	423	483	595	697	864	1,073	1,214	1,420	1,575	1,781	1,984
White	218	229	281	354	425	499	615	694	809	896	1,006	1,138
Black	262	192	198	238	268	357	446	508	595	664	750	821

- Represents zero. [1] Includes races other than White or Black.

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

NO. 326. PRISONERS EXECUTED UNDER CIVIL AUTHORITY: 1930 TO 1987

[Excludes executions by military authorities. The Army (including the Air Force) carried out 160 (148 between 1942 and 1950, 3 each in 1954, 1955, and 1957, and 1 each in 1958, 1959, and 1961). Of the total, 106 were executed for murder (including 21 involving rape), 53 for rape, and 1 for desertion. The Navy carried out no executions during the period. See also *Historical Statistics, Colonial Times to 1970*, series H 1155-1167]

YEAR OR PERIOD	Total [1]	White	Black	EXECUTED FOR MURDER			EXECUTED FOR RAPE			OTHER OFFENSES [2]		
				Total [1]	White	Black	Total [1]	White	Black	Total [1]	White	Black
All years	**3,909**	**1,784**	**2,083**	**3,384**	**1,697**	**1,647**	**455**	**48**	**405**	**70**	**39**	**31**
1930-1939	1,667	827	816	1,514	803	687	125	10	115	28	14	14
1940-1949	1,284	490	781	1,064	458	595	200	19	179	20	13	7
1950-1959	717	336	376	601	316	280	102	13	89	14	7	7
1960-1964	181	90	91	145	79	66	28	6	22	8	5	3
1965-1967	10	8	2	10	8	2	-	-	-	-	-	-
1968-1976	-	-	-	-	-	-	-	-	-	-	-	-
1977-1980	3	3	-	3	3	-	-	-	-	-	-	-
1981	1	1	-	1	1	-	-	-	-	-	-	-
1982	2	1	1	2	1	1	-	-	-	-	-	-
1983	5	4	1	5	4	1	-	-	-	-	-	-
1984	21	13	8	21	13	8	-	-	-	-	-	-
1985	18	11	7	18	11	7	-	-	-	-	-	-
1986	18	11	7	18	11	7	-	-	-	-	-	-
1987	25	13	12	25	13	12	-	-	-	-	-	-

- Represents zero. [1] Includes races other than White or Black. [2] 25 armed robbery, 20 kidnapping, 11 burglary, 8 espionage (6 in 1942 and 2 in 1953), and 6 aggravated assault.

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Correctional Projections in the United States*, annual.

NO. 327. PRISONERS UNDER SENTENCE OF DEATH AND EXECUTED UNDER CIVIL AUTHORITY—STATES: 1940 TO 1987

[No executions took place in Maine, Michigan, Minnesota, New Hampshire, North Dakota, Rhode Island, and Wisconsin from 1940 to 1987. Maine, Minnesota, and Wisconsin never authorized the death penalty during the period. New Hampshire and Rhode Island authorized it for most of the 4 decades but did not apply it. Michigan abolished the penalty in 1963, and North Dakota allowed the punishment statute to lapse in 1975. Alaska and Hawaii could enter these data after receiving statehood in 1959, but neither has authorized the death penalty]

STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 [1]	1980 to 1987 [2]	STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 [1]	1980 to 1987 [2]	STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 [1]	1980 to 1987 [2]
Total [3]	**1,284**	**717**	**191**	**3**	**90**	IA	7	1	2	-	-	OH	51	32	7	-	-
						KS	5	5	5	-	-	OK	13	7	6	-	-
AL	50	20	5	-	3	KY	34	16	1	-	-	OR	12	4	1	-	-
AZ	9	8	4	-	-	LA	47	27	1	-	15	PA	36	31	3	-	-
AR	38	18	9	-	-	MD	45	6	1	-	-	SC	61	26	8	-	2
CA	80	74	30	-	-	MA	9	-	-	-	-	SD	1	-	-	-	-
CO	13	3	6	-	-	MS	60	36	10	-	3	TN	37	8	1	-	-
CT	10	5	1	-	-	MO	15	7	4	-	-	TX	74	74	29	-	26
DE	4	-	-	-	-	MT	1	-	-	-	-	UT	4	6	1	1	1
DC	16	4	-	-	-	NE	2	2	-	-	-	VT	1	2	-	-	-
FL	65	49	12	1	16	NV	10	9	2	1	1	VA	35	23	6	-	6
GA	130	85	14	-	12	NJ	14	17	3	-	-	WA	16	6	2	-	-
ID	-	3	-	-	-	NM	2	3	1	-	-	WV	11	9	-	-	-
IL	18	9	2	-	-	NY	114	52	10	-	-	WY	2	-	1	-	-
IN	7	2	1	-	2	NC	112	19	1	-	3						

- Represents zero. [1] One execution in 1977, none in 1978, and two in 1979. [2] No executions in 1980, one in 1981, two in 1982, five in 1983, 21 in 1984, 18 in 1985 and 1986, and 25 in 1987. [3] Includes 23 Federal executions not shown by State (1940-1949, 13; 1950-1959, 9; and 1960-1969, 1).

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

No. 328. Fire Losses—Total and Per Capita: 1946 to 1987

[Prior to 1962, excludes Alaska and Hawaii. Includes allowance for uninsured and unreported losses but excludes losses to government property and forests. Based on paid losses through 1953, incurred losses thereafter]

YEARLY AVERAGE	Total (mil. dol.)	YEAR	Total (mil. dol.)	Per capita[1]	YEAR	Total (mil. dol.)	Per capita[1]	YEAR	Total (mil. dol.)	Per capita[1]
1946-1950	643	1960	1,108	$6.19	1969	1,952	$9.71	1978	4,008	[illegible]
1951-1955	833	1961	1,209	6.64	1970	2,328	11.41	1979	4,851	[illegible]
1956-1960	1,045	1962	1,265	6.80	1971	2,316	11.20	1980	5,579	[illegible]
1961-1965	1,341	1963	1,406	7.48	1972	2,304	11.01	1981	5,625	[illegible]
1966-1970	1,863	1964	1,367	7.16	1973	2,639	12.49	1982	5,894	25.41
1971-1975	2,728	1965	1,456	7.51	1974	3,190	14.95	1983	6,320	[illegible]
1976-1980	4,352	1966	1,497	7.64	1975	3,190	14.81	1984	7,602	32.15
1981-1985	6,639	1967	1,707	8.66	1976	3,558	16.35	1985	7,753	[illegible]
		1968	1,830	9.20	1977	3,764	17.13	1986	8,488	36.21
								1987	8,504	[illegible]

[1] Based on Bureau of the Census estimated resident population as of July 1.

Source: 1946-1964, National Board of Fire Underwriters, New York, NY, *Report of the Committee on Statistics and Origin of Losses;* thereafter, Insurance Information Institute, New York, NY, *Insurance Facts,* annual.

No. 329. Fires—Number and Loss, by Type and Property Use: 1980 to 1986

[Based on annual sample survey of fire departments. No adjustments were made for unreported fires and losses. Property loss includes direct property loss only]

TYPE AND PROPERTY USE	NUMBER (1,000)							PROPERTY LOSS (mil. dol.)						
	1980	1981	1982	1983	1984	1985	1986	1980	1981	1982	1983	1984	1985	[illegible]
Fires, total	**2,988**	**2,893**	**2,538**	**2,327**	**2,343**	**2,371**	**2,271**	**6,254**	**6,676**	**6,432**	**6,598**	**6,707**	**7,324**	[illegible]
Structure	1,065	1,027	946	869	848	860	800	5,454	5,976	5,731	5,826	5,891	6,437	[illegible]
Outside of structure[1]	87	81	54	49	45	51	50	61	61	52	35	29	63	[illegible]
Brush and rubbish	1,115	1,052	832	756	790	832	795	-	-	-	-	-	-	-
Vehicle	472	466	443	447	455	456	456	685	594	591	694	749	792	[illegible]
Other	249	267	263	206	205	172	170	54	45	58	43	38	32	[illegible]
Structure by property use:														
Public assembly	29	28	28	25	24	24	23	326	356	381	354	336	462	[illegible]
Educational	20	20	17	11	12	13	12	101	184	161	103	122	114	[illegible]
Institutional	28	27	29	23	22	23	22	25	38	17	14	18	17	[illegible]
Stores and offices	62	65	56	50	49	49	45	645	642	510	686	654	654	[illegible]
Residential	758	733	676	642	623	622	581	3,042	3,259	3,253	3,306	3,440	3,774	[illegible]
1-2 family units[2]	591	574	538	524	506	502	468	2,447	2,713	2,794	2,792	2,945	3,217	[illegible]
Apartments	143	137	117	102	99	104	97	401	415	353	413	417	476	[illegible]
Hotels and motels	12	12	10	9	9	8	8	154	99	84	64	50	56	[illegible]
Other residential	12	10	11	7	9	8	8	40	32	22	37	28	25	[illegible]
Storage[3]	65	62	54	48	48	52	46	512	616	584	473	536	683	[illegible]
Industry, utility, defense[3]	55	49	42	36	35	36	34	672	775	663	763	631	572	[illegible]
Special structures	48	43	44	34	35	41	37	131	106	162	127	154	161	[illegible]

- Represents zero. [1] Includes outside storage, crops, timber, etc. [2] Includes mobile homes. [3] Data underreported as some incidents were handled by private fire brigades or fixed suppression systems which do not report.

Source: National Fire Protection Association, Quincy, MA, "A Look at Fire Loss in the United States During 1986", *Fire Journal,* September 1987 and prior issues. (Copyright.)

No. 330. Fires and Property Loss for Incendiary and Suspicious Fires; and Civilian Fire Deaths and Injuries by Selected Property Type: 1980 to 1986

[Based on sample survey of fire departments]

ITEM	1980	1984	1985	1986
NUMBER (1,000)				
Structure fires, total	**1,065**	**848**	**860**	**800**
Structure fires of incendiary or suspicious origin	146	110	117	111
Fires of incendiary origin	92	66	69	71
Fires of suspicious origin	54	44	48	40
PROPERTY LOSS[1] (mil. dol.)				
Structure fires, total	**5,454**	**5,891**	**6,437**	**5,837**
Structure fires of incendiary or suspicious origin	1,760	1,417	1,670	1,677
Fires of incendiary origin	1,158	883	1,069	1,162
Fires of suspicious origin	602	534	601	515

ITEM	1980	1984	1985	[illegible]
CIVILIAN FIRE DEATHS				
Deaths, total[2]	**6,505**	**5,240**	**6,185**	[illegible]
Residential property	5,446	4,240	5,025	[illegible]
One- and two-family dwellings	4,175	3,290	4,020	[illegible]
Apartments	1,025	785	865	[illegible]
Vehicles	740	630	825	[illegible]
CIVILIAN FIRE INJURIES				
Injuries, total[2]	**30,200**	**28,125**	**28,425**	[illegible]
Residential property	21,000	19,275	19,825	[illegible]
One- and two-family dwellings	16,100	15,100	15,250	[illegible]
Apartments	3,600	3,650	3,925	[illegible]
Vehicles	4,075	3,600	3,600	[illegible]

[1] Direct property loss only. [2] Includes other not shown separately.

Source: National Fire Protection Association, Quincy, MA, "A Look at Fire Loss in the United States During 1986", *Fire Journal,* September 1987 and prior issues. (Copyright.)

Section 6

Geography and Environment

This section presents a variety of information on the physical environment of the United States, starting with basic area measurement data and ending with climatic data for selected weather stations around the country. The subjects covered between those points are mostly concerned with environmental trends, but include such related subjects as land use and ownership, water consumption, hazardous waste sites, threatened and endangered wildlife, and expenditures for pollution abatement and control.

The information in this section is selected from a wide range of Federal agencies that compile the data for various administrative or regulatory purposes, such as the Environmental Protection Agency, Geological Survey, National Oceanic and Atmospheric Administration, and General Services Administration. Other agencies include the Bureau of the Census, which presents nationwide area measurement information; the Council on Environmental Quality (CEQ), which presents data on environmental conditions and pollutants in its annual report; and the Bureau of Economic Analysis, which compiles data on pollution abatement and control expenditures.

Area.—Area measurements were first conducted for the United States as a whole, and gradually were extended to the individual States. The annual report of the U.S. General Land Office for 1850 contained the first reference to measurements of areas of the States and Territories. In 1881, as part of the 1880 Census of Population, the Bureau of the Census laid the foundation for accurate and detailed area measurement in the United States. For the first time, an account was given of the methods and maps employed, the water bodies included, and the outer limits of the United States used as a basis for measurement. As part of the 1940 census, the Bureau published *Areas of the United States: 1940,* in which data were presented on the total land and inland water areas of the States, counties, places, and minor civil divisions. Since the 1940 census, the Bureau has published area measurement figures in each succeeding census. In 1964, the Bureau undertook a new measurement of the areas of places with at least 1,000 inhabitants, minor civil divisions, and census county divisions of the 1960 census. The results were published in *Area Measurement Reports,* series GE-20, a series of State reports and a U.S. summary. For 1980, the areas of all States and counties were completely remeasured, using newer large-scale maps and more modern equipment. The land area results for these areas are published in *1980 Census of Population,* vol. 1, chapter A reports (series PC80-1-A). Data for places and selected minor civil divisions with a population of 2,500 and over, metropolitan areas, and urbanized areas as well as States and counties are contained in the U.S. summary report. Data for States, counties, and the selected places and MCDs also are available on public use tape *Master Area Reference File* (MARF) 2.

Geography.—The Geological Survey conducts investigations, surveys, and research in the fields of geography, geology, topography, land use/land cover, mineralogy, hydrology, and geothermal energy resources as well as natural hazards. In cooperation with State and local agencies, the Geological Survey prepares and publishes topographic, land use/land cover, geologic, and hydrologic maps and data compilations. The Geological Survey provides United States cartographic data through the National Cartographic Information Center, water resources data through a multi-volume *Catalog of Information on Water Data,* and a variety of research and Open-File reports which are announced monthly in *New Publications of the Geological Survey.*

The National Ocean Service, a division of NOAA, is responsible for coastal and geodetic surveys and measurement of certain physical phenomena. Currently, its primary functions are to provide charts for marine and air navigation, to maintain a basic network of geodetic control, and to compile other basic data for engineering, scientific, commercial, industrial, and defense needs.

An inventory of the nation's land resources by type of use/cover was conducted by the Soil Conservation Service in 1982. The results, published in the *1982 National Inventory of Land Resources,* cover all non-Federal land in Puerto Rico, the Virgin Islands, and the U.S. except Alaska.

Maps prepared by the Bureau of the Census show boundaries of various types of political and statistical areas, such as places, county subdivisions, census tracts, and urbanized areas and are available as of the specific decennial census. An inventory of most of these areas was published for the 1980 Census in *Geographic Identification Code Scheme* (PHC80-R5) and for the 1982 economic censuses in *Geographic Reference Manual* (EC82-R-1). The Census Bureau maintains a current inventory of political units and, for many entities, their legal boundaries through its Boundary and Annexation Survey.

Environment.—The CEQ is responsible for overseeing the environmental assessment process, recommending national environmental policies, analyzing changes and trends in the environment, and for reviewing Federal programs affecting the environment. It reports on environmental conditions, trends, programs and activities in its annual publication, *Environmental Quality*. The CEQ has also published unique compilations of environmental data in *Environmental Statistics, 1979*, and has recently published a new edition of *Environmental Trends*. The principal Federal agency responsible for pollution abatement and control activities is the Environmental Protection Agency (EPA). It is responsible for establishing and monitoring national air quality standards, water quality activities, solid and hazardous waste disposal, and control of toxic substances.

Air sampling, conducted by the Public Health Service, began in 17 communities in 1953; in 1957 the National Air Surveillance Network was established and, by the late 1960's, covered approximately 260 urban and 30 rural stations. The operation of the stations was decentralized in 1972 to the 10 regional EPA offices and many of the stations were in turn assimilated into State and locally operated air monitoring networks. The Network determines the extent and nature of air pollution and studies trends in levels of atmospheric contaminants.

National Ambient Air Quality Standards (NAAQS) for suspended particulate matter, sulfur dioxide, photochemical oxidants, carbon monoxide, and nitrogen dioxide were originally set by the EPA in April 1971. Every 5 years each of the NAAQS are reviewed and revised if new health or welfare data indicates that a change is necessary. The standard for photochemical oxidants now called ozone was revised in February 1979. Also, a new NAAQS for lead was promulgated in October 1978. Table 344 gives some of the health-related standards for the six air pollutants having NAAQS. Responsibility for demonstrating compliance with or progress toward achieving these standards lies with the State agencies. There are approximately 2,100 non-Federal sampling stations for suspended particulates, 550 for sulfur dioxide, 360 for carbon monoxide, 525 for ozone, 240 for nitrogen dioxide, and 240 for lead. Data from these State networks are periodically submitted to EPA's National Aerometric Data Bank for summarization in annual reports on the nationwide status and trends in air quality; for details, see *National Air Quality and Emissions Trends Report, 1986*.

Pollution abatement and control expenditures.—Data on expenditures for pollution abatement and control are compiled and published by the U.S. Bureau of Economic Analysis (BEA), the U.S. Bureau of the Census, and the CEQ as part of ongoing programs. BEA conducts surveys on national expenditures for pollution abatement and control and presents the data in its *Survey of Current Business*. The U.S. Bureau of the Census collects data on State and local government and industry expenditures on control activities. Data on government expenditures are reported in an annual series of publications, *Government Finances*, which covers expenditures on sewage and sanitation outlays. Industry data are reported annually in *Current Industrial Reports*. CEQ publishes some expenditure data in *Environmental Quality*.

Climate.—NOAA, through the National Weather Service and the National Environmental Satellite, Data and Information Service, is responsible for data on climate. NOAA maintains about 11,600 weather stations, of which over 3,000 produce autographic precipitation records, about 600 take hourly readings of a series of weather elements, and the remainder record data once a day. These data are reported monthly in the *Climatological Data* (published by State), and monthly and annually in the *Local Climatological Data* (published by location for major cities).

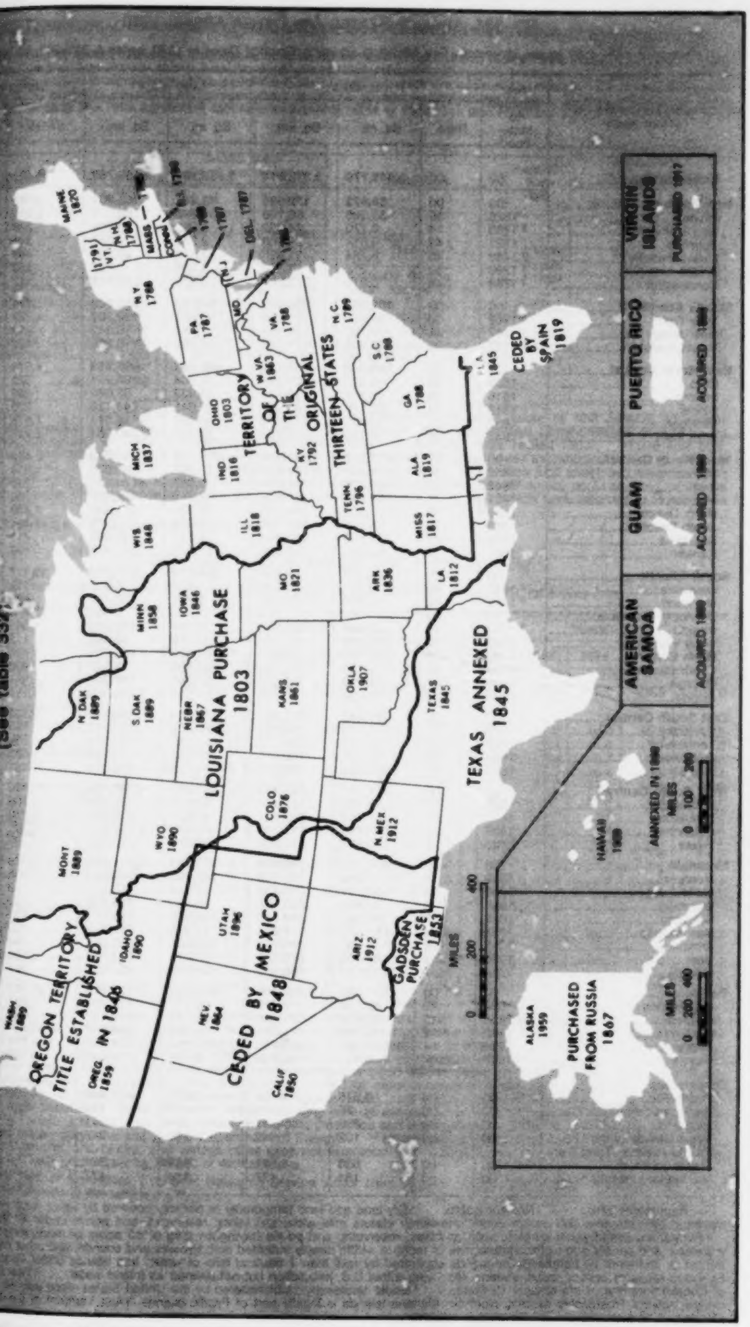
The climatological temperature, precipitation, and degree day normals listed in this publication are derived for comparative purposes and are averages for the 30-year period, 1951-80. For stations that did not have continuous records for the entire 30 years from the same instrument site, the normals have been adjusted to provide representative values for the current location. The information in all other tables is based on data from the beginning of the record at that location through 1987, except as noted.

The degree day normals are used to determine relative estimates of heating and cooling requirements for buildings. Each degree that the average temperature for a day is below 65 degrees F produces one heating degree day. For example, if the maximum temperature is 70 degrees F and the minimum temperature is 52 degrees F, the average temperature for the day is 61 degrees, resulting in four (4) heating degree days. Cooling degree days are calculated in a similar fashion for each degree that the average temperature is above 65 degrees F. The monthly degree day normals represent the average accumulation of the daily values for the month.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Figure 6.1 Territorial Expansion of the United States and Acquisitions of Other Principal Areas

(See table 332)


OREGON TERRITORY TITLE ESTABLISHED IN 1846
WASH 1889
OREG 1859
IDAHO 1890
MONT 1889
WYO 1890
CEDED BY MEXICO 1848
CALIF 1850
NEV 1864
UTAH 1896
ARIZ 1912
GADSDEN PURCHASE 1853
N MEX 1912
COLO 1876
LOUISIANA PURCHASE 1803
N DAK 1889
S DAK 1889
NEBR 1867
KANS 1861
OKLA 1907
TEXAS 1845
TEXAS ANNEXED 1845
MINN 1858
IOWA 1846
MO 1821
ARK 1836
LA 1812
WIS 1848
ILL 1818
MICH 1837
IND 1816
OHIO 1803
TERRITORY OF THE
KY 1792
TENN 1796
MISS 1817
ALA 1819
ORIGINAL THIRTEEN STATES
W VA 1863
VA 1788
N C 1789
S C 1788
GA 1788
FLA 1845
CEDED BY SPAIN 1819
PA 1787
NY 1788
VT 1791
N H 1788
MAINE 1820
MASS 1788
CONN 1788
R.I. 1790
N J 1787
DEL 1787
MD 1788
MILES 0 200 400
ALASKA 1959
PURCHASED FROM RUSSIA 1867
MILES 0 200 400
HAWAII 1959
ANNEXED IN 1898
MILES 0 100 200
AMERICAN SAMOA
ACQUIRED 1900
GUAM
ACQUIRED 1898
PUERTO RICO
ACQUIRED 1898
VIRGIN ISLANDS
PURCHASED 1917

NO. 331. AREA OF STATES AND OTHER AREAS: 1980

[One square mile = 2.59 square kilometers. See *Historical Statistics, Colonial Times to 1970*, series A 210–263, for land area]

DIVISION AND STATE OR OTHER AREA	Year admitted to statehood	TOTAL AREA			LAND AREA [1]		WATER AREA [2]	
		Rank	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.
United States	(x)	(x)	**3,618,770**	**9,372,614**	**3,539,289**	**9,166,759**	**79,481**	[illegible]
New England	(x)	(x)	**66,672**	**172,681**	**63,012**	**163,201**	**3,660**	[illegible]
Maine	1820	39	33,265	86,156	30,995	80,277	2,270	[illegible]
New Hampshire	[3] 1788	44	9,279	24,032	8,993	23,292	286	[illegible]
Vermont	1791	43	9,614	24,900	9,273	24,017	341	[illegible]
Massachusetts	[3] 1788	45	8,284	21,456	7,824	20,265	460	[illegible]
Rhode Island	[3] 1790	50	1,212	3,140	1,055	2,732	158	[illegible]
Connecticut	[3] 1788	48	5,018	12,997	4,872	12,618	147	[illegible]
Middle Atlantic	(x)	(x)	**102,203**	**264,707**	**99,733**	**258,308**	**2,470**	[illegible]
New York	[3] 1788	30	49,108	127,190	47,377	122,707	1,731	[illegible]
New Jersey	[3] 1787	46	7,787	20,169	7,468	19,342	319	[illegible]
Pennsylvania	[3] 1787	33	45,308	117,348	44,888	116,260	420	[illegible]
East North Central	(x)	(x)	**248,540**	**643,719**	**243,961**	**631,859**	**4,579**	[illegible]
Ohio	1803	35	41,330	107,044	41,004	106,201	325	[illegible]
Indiana	1816	38	36,185	93,720	35,932	93,064	253	[illegible]
Illinois	1818	24	56,345	145,934	55,645	144,120	700	[illegible]
Michigan	1837	23	58,527	151,586	56,954	147,511	1,573	[illegible]
Wisconsin	1848	26	56,153	145,436	54,426	140,964	1,727	[illegible]
West North Central	(x)	(x)	**517,825**	**1,341,166**	**508,132**	**1,316,063**	**9,693**	[illegible]
Minnesota	1858	12	84,402	218,601	79,548	206,030	4,854	[illegible]
Iowa	1846	25	56,275	145,753	55,965	144,950	310	[illegible]
Missouri	1821	19	69,697	180,516	68,945	178,568	752	[illegible]
North Dakota	1889	17	70,702	183,119	69,300	179,486	1,403	[illegible]
South Dakota	1889	16	77,116	199,730	75,952	196,715	1,164	[illegible]
Nebraska	1867	15	77,355	200,350	76,644	198,508	711	[illegible]
Kansas	1861	14	82,277	213,098	81,778	211,805	499	[illegible]
South Atlantic	(x)	(x)	**278,926**	**722,420**	**266,910**	**691,296**	**12,017**	[illegible]
Delaware	[3] 1787	49	2,045	5,295	1,932	5,005	112	[illegible]
Maryland	[3] 1788	42	10,460	27,092	9,837	25,477	623	[illegible]
District of Columbia	(x)	(x)	69	178	63	162	6	[illegible]
Virginia	[3] 1788	36	40,767	105,586	39,704	102,832	1,063	[illegible]
West Virginia	1863	41	24,232	62,760	24,119	62,468	112	[illegible]
North Carolina	[3] 1789	28	52,669	136,413	48,843	126,504	3,826	[illegible]
South Carolina	[3] 1788	40	31,113	80,582	30,203	78,227	909	[illegible]
Georgia	[3] 1788	21	58,910	152,576	58,056	150,365	854	[illegible]
Florida	1845	22	58,664	151,939	54,153	140,256	4,511	[illegible]
East South Central	(x)	(x)	**181,947**	**471,243**	**178,824**	**463,154**	**3,123**	[illegible]
Kentucky	1792	37	40,410	104,660	39,669	102,743	740	[illegible]
Tennessee	1796	34	42,144	109,152	41,155	106,591	989	[illegible]
Alabama	1819	29	51,705	133,915	50,767	131,487	938	[illegible]
Mississippi	1817	32	47,689	123,515	47,233	122,333	457	[illegible]
West South Central	(x)	(x)	**437,701**	**1,133,646**	**427,271**	**1,106,633**	**10,430**	[illegible]
Arkansas	1836	27	53,187	137,754	52,078	134,883	1,109	[illegible]
Louisiana	1812	31	47,752	123,677	44,521	115,310	3,230	[illegible]
Oklahoma	1907	18	69,956	181,186	68,655	177,817	1,301	[illegible]
Texas	1845	2	266,807	691,030	262,017	678,623	4,790	[illegible]
Mountain	(x)	(x)	**863,563**	**2,236,628**	**855,193**	**2,214,951**	**8,369**	[illegible]
Montana	1889	4	147,046	380,848	145,388	376,555	1,658	[illegible]
Idaho	1890	13	83,564	216,432	82,412	213,447	1,153	[illegible]
Wyoming	1890	9	97,809	253,326	96,989	251,202	820	[illegible]
Colorado	1876	8	104,091	269,596	103,595	268,311	496	[illegible]
New Mexico	1912	5	121,593	314,925	121,335	314,258	258	[illegible]
Arizona	1912	6	114,000	295,260	113,508	293,986	492	[illegible]
Utah	1896	11	84,899	219,889	82,073	212,569	2,826	[illegible]
Nevada	1864	7	110,561	286,352	109,894	284,624	667	[illegible]
Pacific	(x)	(x)	**921,392**	**2,386,406**	**896,253**	**2,321,295**	**25,140**	[illegible]
Washington	1889	20	68,139	176,479	66,511	172,264	1,627	[illegible]
Oregon	1859	10	97,073	251,419	96,184	249,117	889	[illegible]
California	1850	3	158,706	411,049	156,299	404,814	2,407	[illegible]
Alaska	1959	1	591,004	1,530,700	570,833	1,478,458	20,171	[illegible]
Hawaii	1959	47	6,471	16,759	6,425	16,641	46	[illegible]
Other areas:								
Puerto Rico	(x)	(x)	3,515	9,104	3,459	8,959	56	[illegible]
American Samoa	(x)	(x)	77	199	77	199	-	-
Guam	(x)	(x)	209	541	209	541	-	-
Virgin Islands of the U.S	(x)	(x)	132	342	132	342	1	[illegible]
Pacific Islands, Trust Territory of the [4]	(x)	(x)	533	1,381	533	1,381	-	-
No. Mariana Islands [4]	(x)	(x)	184	477	184	477	-	-

- Represents zero. X Not applicable. [1] Dry land and land temporarily or partially covered by water, such as marshes, swamps, etc.; streams and canals under one-eighth statute mile wide; and lakes, reservoirs, and ponds under 40 acres in area. [2] Permanent inland water surface, such as lakes, reservoirs, and ponds having an area of 40 acres or more; streams, sloughs, estuaries, and canals one-eighth statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands or islands separated by less than 1 nautical mile of water, and islands under 40 acres in area. Excludes areas of oceans, bays, sounds, etc., lying within U.S. jurisdiction but not defined as inland water. [3] Year of ratification of Constitution; one of the original 13 States. [4] Under trusteeship; administered by the United States since July 18, 1947 under United Nations Trusteeship system. Northern Mariana Islands is legally part of Pacific Islands, Trust Territory of the, but both are recognized as separate entities for census purposes.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. I, part A (PC80-1-A), and unpublished data.

No. 332. TERRITORIAL EXPANSION OF THE UNITED STATES AND ACQUISITIONS OF OTHER AREAS

[One square mile=2.59 square kilometers. Boundaries of all territories listed under "United States" were indefinite, at least in part, at time of acquisition. Area figures shown here represent precise determinations of specific territories which have been marked upon maps, based upon interpretations of the several treaties of cession, which are necessarily debatable. These determinations were made by a committee consisting of representatives of various governmental agencies in 1912. Subsequently these figures were adjusted to bring them into agreement with remeasurements made in 1980. See also *Historical Statistics, Colonial Times to 1970,* series J 1-2]

ACCESSION	Acquisition date	GROSS AREA (land and water)	
		Sq. mi.	Sq. km.
Total	(x)	**3,623,434**	**9,384,694**
United States	(x)	3,618,770	9,372,614
Territory in 1790 [1]	(x)	891,364	2,308,633
Louisiana Purchase	1803	831,321	2,153,121
Purchase of Florida	1819	69,866	180,953
Texas	1845	384,958	997,041
Oregon	1846	283,439	734,107
Mexican Cession	1848	530,706	1,374,529
Gadsden Purchase	1853	29,640	76,768
Alaska	1867	591,004	1,530,700
Hawaii	1898	6,471	16,760
Other areas:			
Puerto Rico	[2] 1898	3,515	9,104
Guam	[3] 1898	209	541
American Samoa	[4] 1899	77	199
Virgin Islands of the U.S	1917	132	342
Pacific Islands, Trust Territory of the [5]	1947	533	1,380
No. Mariana Islands [5]	1947	184	477
All other [6]	(x)	14	36

X Not applicable. [1] Includes that part of drainage basin of Red River of the North, south of 49th parallel, sometimes considered part of Louisiana Purchase. [2] Ceded by Spain in 1898, ratified in 1899, and became Commonwealth of Puerto Rico by Act of Congress on July 25, 1952. [3] Acquired 1898; ratified 1899. [4] Acquired 1899; ratified 1900. [5] Land area only. Under trusteeship; see table 3, footnote 5. [6] Comprises the following islands with gross areas as indicated, in sq. mi.: Midway (2), Wake (3), Palmyra (4), Navassa (2), Baker, Howland, and Jarvis (combined area, 3), Johnston Atoll (combined area, less than .5), and Kingman Reef (less than .5). Excludes Canton and Enderbury Islands (combined area 27 sq. mi. or 73 sq. km.), which are considered to be under the jurisdiction of Kiribati since 1979, and Swan Islands (1 sq. mi.), which were returned to Honduras in 1972.

Source: U.S. Bureau of the Census, unpublished data.

No. 333. LAND UTILIZATION, BY TYPE: 1959 TO 1982

[See *Historical Statistics, Colonial Times to 1970,* series J 50-66, J 71, and J 76, for similar data]

TYPE	LAND (mil. acres)					PERCENT				
	1959	1969	1974	1978	1982	1959	1969	1974	1978	1982
Total land area [1]	**2,271**	**2,264**	**2,264**	**2,264**	**2,265**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
LAND USE										
Cropland used for crops [2]	359	333	361	369	383	15.8	14.7	16.0	16.3	16.9
Idle cropland	33	51	21	26	21	1.5	2.3	.9	1.1	.9
Cropland used only for pasture	66	88	83	76	65	2.9	3.9	3.7	3.4	2.9
Grassland pasture [3]	633	604	598	587	597	27.9	26.7	26.4	25.9	26.4
Forest land [4]	728	723	718	703	655	32.1	31.9	31.7	31.1	28.9
Special uses	146	172	182	158	[5] 270	6.4	7.6	8.0	7.0	[5] 11.9
Urban areas [6]	24	31	35	([7])	([7])	1.1	1.4	1.5	([7])	([7])
Transportation areas [8]	25	26	26	27	27	1.1	1.2	1.2	1.2	1.2
Recreation areas [9]	44	49	52	57	[5] 116	1.9	2.2	2.3	2.5	[5] 5.1
Wildlife areas [10]	17	32	36	41	[5] 95	.8	1.4	1.6	1.8	[5] 4.2
National defense and industrial [11]	26	26	25	25	24	1.1	1.1	1.1	1.1	1.1
Farmsteads, farm roads, and lanes	10	8	8	8	8	.4	.4	.4	.4	.4
Other land [12]	306	293	301	[7] 345	[5 7] 274	13.5	12.9	13.2	[7] 15.2	[5 7] 12.1
LAND OWNERSHIP										
Private land [13]	1,332	1,317	1,316	1,315	1,329	58.7	58.2	58.1	58.1	58.7
Indian lands [14]	53	50	51	52	51	2.3	2.2	2.3	2.3	2.2
Public land, total	886	897	897	897	885	39.0	39.6	39.6	39.6	39.1
Federal	765	763	761	742	730	33.7	33.7	33.6	32.8	32.2
State and local	121	134	136	155	155	5.3	5.9	6.0	6.8	6.8

[1] Changes in total land area are due to variable methods and materials used in periodic remeasurements, and to the construction of artificial reservoirs. [2] Cropland harvested, crop failure, and cultivated summer fallow. [3] Grassland and other nonforest pasture and range. [4] Excludes reserved forest land in parks and other special uses of land. Includes forest grazing land. [5] Changes in use between 1978 and 1982 are primarily the result of reclassification and change in use of 107 million acres of Alaskan lands to parks (+55 million acres), wilderness areas (+53 million acres), and other special uses (−1 million acres). [6] Estimated area in urbanized areas and places of 2,500 or more population outside urbanized areas. [7] Data for urban areas included in other land. [8] Represents rural highway, road, and railroad rights-of-way, and airports. [9] Area in National and State parks and related recreation areas, including area in national wilderness and primitive areas. [10] Acreage administered by Federal and State agencies primarily for wildlife protection and propagation. [11] Areas administered by the Dept. of Defense for military purposes and by the Department of Energy. [12] Miscellaneous areas such as marshes, open swamps, bare rock area, deserts, and tundra, and various other uses not inventoried. [13] Land owned by individuals, partnerships, and corporations. [14] Managed in trust by Bureau of Indian Affairs.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Major Uses of Land in the United States: 1982,* AER 535, June 1985, and earlier reports in the series.

NO. 334. AREA AND ACQUISITION OF THE FEDERAL PUBLIC DOMAIN: 1781 TO 1986

[In **millions of acres**. Areas of acquisitions are as computed in 1912, and do not agree with figures in square miles shown in 332 which include later adjustments and reflect subsequent remeasurement. Excludes outlying areas of the United amounting to 645,949 acres in 1978. See also *Historical Statistics, Colonial Times to 1970*, series J 3-6]

YEAR	Land area, total [1]	YEAR	LAND AREA [1] Total	LAND AREA [1] Public domain	LAND AREA [1] Acquired
1802	200.0	1973	761.0	704.8	56.2
1850	1,200.0	1974	760.5	703.8	56.7
1880	900.0	1975	760.4	702.9	57.5
1912	600.0	1976	762.2	702.8	59.4
1946	413.0	1977	741.5	683.3	58.2
1950	412.0	1978	775.2	712.0	63.3
1955	407.9	1979	744.1	684.3	59.8
1959	768.6	1980	719.5	648.0	71.5
1960	771.5	1981	730.8	668.7	62.2
1965	765.8	1982	729.8	670.0	59.8
1970	761.3	1983	732.0	672.4	59.6
1971	760.2	1984	726.6	658.9	67.7
1972	760.7	1985	726.7	656.2	70.5
		1986	727.1	662.7	64.4

YEAR AND ACQUISITION	ACREAGE Total	ACREAGE Land
Aggregate	**1,837.8**	**1,804.7**
1781-1802 (State Cessions)	236.8	233.4
1803, Louisiana Purchase [2]	529.9	523.4
1819, Cession from Spain	46.1	43.3
Red River Basin [3]	29.6	29.1
1846, Oregon Compromise	183.4	180.6
1848, Mexican Cession [2]	338.7	334.5
1850, Purchase from Texas	78.9	78.8
1853, Gadsden Purchase	19.0	19.0
1867, Alaska Purchase	375.3	362.5

Z Less than 50,000. [1] Owned by Federal Government. Comprises original public domain plus acquired lands. from imperfect data available for indicated years. Prior to 1959, excludes Alaska, and 1960, Hawaii. Source: Beginning General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*,

[2] Data for Louisiana Purchase exclude areas eliminated by Treaty of 1819 with Spain. Such areas are included in Mexican Cession. [3] Represents drainage basin of Red River of the North, south of 49th parallel. Authorities differ as to and date of its acquisition. Some hold it as part of Louisiana Purchase; others, as acquired from Great Britain.

Source: Except as noted, U.S. Dept. of the Interior. Estimated area, Bureau of Land Management; all other data, Secretary, *Areas of Acquisitions to the Territory of the U.S.*, 1922.

NO. 335. TOTAL AND FEDERALLY OWNED LAND, 1960 TO 1986, AND BY STATE, 1986

[As of **end of fiscal year**; see text, section 9. Total land area figures are not comparable with those in table 331. For regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT [1] Acres (1,000)	OWNED BY FEDERAL GOVERNMENT [1] Percent
1960	2,273,407	1,501,894	771,512	33.9
1965	2,271,343	1,505,546	765,797	33.5
1970	2,271,343	1,510,042	761,301	33.5
1975	2,271,343	1,510,929	760,414	33.5
1976	2,271,343	1,509,151	762,192	33.5
1977	2,271,343	1,529,834	741,509	32.6
1978	2,271,343	1,496,094	775,249	34.1
1979	2,271,343	1,533,545	744,146	32.8
1980	2,271,343	1,551,822	719,522	31.7
1981	2,271,343	1,540,528	730,815	32.2
1982	2,271,343	1,541,522	729,821	32.1
1983	2,271,343	1,539,301	732,042	32.2
1984	2,271,343	1,544,785	726,559	32.0
1985	2,271,343	1,544,658	726,686	32.0
1986, total	**2,271,343**	**1,544,230**	**727,113**	**32.0**
Region:				
Northeast	104,609	101,136	3,564	3.4
Midwest	482,869	464,529	18,341	3.8
South	561,238	532,430	28,806	5.1
West	1,122,536	446,137	676,400	60.3
N. Eng	**40,401**	**39,087**	**1,314**	**3.3**
ME	19,848	19,697	150	.8
NH	5,769	5,029	740	12.8
VT	5,937	5,615	322	5.4
MA	5,035	4,952	83	1.6
RI	677	672	5	.7
CT	3,135	3,122	14	.4
Mid. Atl	**64,298**	**62,049**	**2,250**	**3.5**
NY	30,681	29,221	1,460	4.8
NJ	4,813	4,662	151	3.1
PA	28,804	28,166	639	2.2
E. No. Cent	**156,678**	**150,001**	**6,678**	**4.3**
OH	26,222	25,900	322	1.2
IN	23,158	22,721	437	1.9
IL	35,795	35,295	500	1.4
MI	36,492	32,963	3,529	9.7
WI	35,011	33,122	1,890	5.4

DIVISON AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT [1] Acres (1,000)
W. No. Cent	**326,191**	**314,528**	**11,663**
MN	51,206	47,746	3,460
IA	35,860	35,700	160
MO	44,248	42,176	2,072
ND	44,452	42,510	1,942
SD	48,882	46,149	2,733
NE	49,032	48,317	714
KS	52,511	51,930	582
So. Atl	**171,324**	**157,499**	**13,825**
DE	1,266	1,236	30
MD	6,319	6,122	197
DC	39	28	11
VA	25,496	23,041	2,455
WV	15,411	14,246	1,165
NC	31,403	29,184	2,219
SC	19,374	18,205	1,169
GA	37,295	34,996	2,299
FL	34,721	30,441	4,280
E. So. Cent	**115,141**	**108,943**	**6,198**
KY	25,512	24,112	1,401
TN	26,728	24,740	1,986
AL	32,678	31,547	1,132
MS	30,223	28,544	1,679
W. So. Cent	**274,773**	**265,988**	**8,782**
AR	33,599	30,200	3,399
LA	28,868	27,686	1,181
OK	44,088	43,220	867
TX	168,218	164,882	3,336
Mt	**548,448**	**279,907**	**268,543**
MT	93,271	65,035	28,236
ID	52,933	19,174	33,759
WY	62,343	30,912	31,431
CO	66,486	42,297	24,189
NM	77,766	51,896	25,871
AZ	72,688	41,015	31,673
UT	52,697	19,128	33,569
NV	70,264	10,450	59,815
Pac	**574,088**	**166,230**	**407,857**
WA	42,694	30,235	12,459
OR	61,599	31,567	30,031
CA	100,207	53,884	46,323
AK	365,482	47,125	318,357
HI	4,106	3,419	687

[1] Excludes trust properties.

Source: U.S. General Administration, *Inventory, Report on Real Property Owned by the United States Throughout the World*, annual.

No. 336. Land Cover/Use, by State: 1982

[In thousands of acres. Excludes Alaska and District of Columbia]

STATE	Total surface area [1]	Federal surface area	NONFEDERAL							
			Total	Urban and builtup land	Rural trans-portation	Rural land				
						Total [2]	Crop-land	Pas-ture land	Range-land	Forest land
United States	**1,[illegible]7,726**	**404,063**	**1,495,436**	**46,416**	**26,914**	**1,412,011**	**420,994**	**132,356**	**405,914**	**393,197**
Alabama	33,091	904	31,553	906	639	29,697	4,510	3,817	-	20,633
Arizona	72,960	32,056	40,603	711	291	39,582	1,206	79	30,948	4,760
Arkansas	34,040	3,114	30,221	636	540	28,770	8,102	5,794	162	14,340
California	101,572	45,552	54,471	3,265	1,037	49,833	10,516	1,393	18,125	15,218
Colorado	66,618	23,611	42,886	672	609	41,271	10,603	1,260	24,223	4,030
Connecticut	3,212	9	3,109	603	55	2,401	245	114	-	1,828
Delaware	1,309	33	1,204	128	26	1,039	519	35	-	348
Florida	37,545	3,129	31,528	2,770	601	27,730	3,557	4,273	3,804	12,430
Georgia	37,702	2,068	35,078	1,632	504	32,536	6,566	2,977	-	21,884
Hawaii	4,141	342	3,771	126	23	3,610	333	974	-	1,474
Idaho	53,481	33,445	19,449	189	255	18,934	6,390	1,274	6,733	3,977
Illinois	36,061	493	35,137	1,846	870	32,076	24,727	3,157	-	3,429
Indiana	23,159	489	22,514	1,192	517	20,597	13,781	2,212	-	3,640
Iowa	36,016	172	35,644	623	1,061	33,709	26,441	4,536	-	1,756
Kansas	52,658	585	51,785	721	1,104	49,655	29,118	2,241	16,909	626
Kentucky	25,862	1,125	24,278	636	570	22,866	5,934	5,880	-	10,158
Louisiana	30,561	1,104	27,103	823	546	25,256	6,409	2,369	241	12,895
Maine	21,290	135	19,702	212	270	19,066	953	569	-	16,770
Maryland	6,695	158	6,114	763	114	5,173	1,794	534	-	2,425
Massachusetts	5,302	89	4,923	883	128	3,839	297	202	-	2,970
Michigan	37,457	3,087	33,368	1,966	873	30,265	9,443	2,911	-	15,360
Minnesota	54,017	3,373	47,457	904	1,154	45,036	23,024	3,590	190	13,956
Mississippi	30,521	1,618	28,558	582	539	27,063	7,415	3,975	-	15,243
Missouri	44,606	2,094	41,983	1,117	977	39,543	14,998	12,573	168	10,986
Montana	94,109	27,107	65,947	197	784	64,665	17,197	3,036	37,837	5,228
Nebraska	49,507	639	48,449	415	826	46,990	20,277	2,125	23,096	732
Nevada	70,759	60,189	10,159	199	152	9,769	860	304	7,908	357
New Hampshire	5,938	727	5,033	236	109	4,629	158	125	-	4,085
New Jersey	4,984	145	4,635	1,163	69	3,342	609	240	-	1,848
New Mexico	77,819	26,420	51,247	267	382	50,535	2,413	163	40,982	4,734
New York	31,429	237	30,084	1,811	594	27,386	5,912	3,872	-	16,517
North Carolina	33,708	2,116	29,111	1,622	727	26,481	6,695	1,980	-	16,729
North Dakota	45,250	1,879	42,434	198	1,036	41,021	27,039	1,272	10,948	438
Ohio	26,451	346	25,892	2,187	645	22,859	12,447	2,714	-	6,380
Oklahoma	44,772	1,192	42,783	851	789	40,795	11,568	7,138	15,060	6,539
Oregon	62,127	32,122	29,332	526	365	28,291	4,356	1,966	9,302	11,889
Pennsylvania	28,997	668	28,060	2,073	613	25,144	5,896	2,593	-	15,300
Rhode Island	776	4	672	140	14	508	27	38	-	406
South Carolina	19,912	1,150	18,173	839	475	16,681	3,579	1,206	-	11,026
South Dakota	49,354	2,824	45,762	231	833	44,506	16,947	2,703	22,784	562
Tennessee	26,972	1,343	24,980	1,000	588	23,189	51,592	5,356	-	11,529
Texas	170,756	2,998	164,765	4,388	2,234	157,431	33,320	17,043	95,353	9,324
Utah	54,336	35,819	16,703	274	152	16,247	2,039	490	8,489	3,235
Vermont	6,153	315	5,619	97	101	5,377	648	501	-	4,087
Virginia	26,091	2,347	23,063	1,219	329	21,292	3,397	3,392	-	13,625
Washington	43,609	12,474	30,092	990	492	28,462	7,793	1,345	5,637	12,690
West Virginia	15,508	1,104	14,330	312	205	13,722	1,093	1,869	-	10,423
Wisconsin	35,938	1,800	33,064	1,125	770	30,890	11,457	3,394	-	13,393
Wyoming	62,598	29,315	32,803	148	330	32,240	2,587	755	26,915	987

- Represents zero. [1] Includes 107.9 million acres of water areas and minor land cover/uses not shown separately. [2] Includes 59.55 million acres of minor land cover/uses not shown separately.

Source: U.S. Dept. of Agriculture, Soil Conservation Service and Iowa State University, Statistical Laboratory; Statistical Bulletin No. 756, *Basic Statistics—1982 National Resources Inventory,* September 1987.

No. 337. Extreme and Mean Elevations—States and Other Areas

[One foot = .305 meter]

STATE OR OTHER AREA	HIGHEST POINT			LOWEST POINT			APPROXIMATE MEAN ELEVATION
	Name	Elevation		Name	Elevation		
		Feet	Meters		Feet	Meters	Feet
U.S.	**Mt. McKinley (AK)**	**20,320**	**6,198**	**Death Valley (CA)**	**−282**	**−86**	**2,500**
AL	Cheaha Mountain	2,407	734	Gulf of Mexico	(1)	(1)	500
AK	Mount McKinley	20,320	6,198	Pacific Ocean	(1)	(1)	1,900
AZ	Humhreys Peak	12,633	3,853	Colorado River	70	21	4,100
AR	Magazine Mountain	2,753	840	Ouachita River	55	17	650
CA	Mount Whitney	14,494	4,421	Death Valley	−282	−86	2,900
CO	Mt. Elbert	14,433	4,402	Arkansas River	3,350	1,022	6,800
CT	Mt. Frissell, on South slope	2,380	726	Long Island Sound	(1)	(1)	500
DE	Ebright Road, New Castle County	442	135	Atlantic Ocean	(1)	(1)	60
DC	Tenleytown	410	125	Potomac River	1	(Z)	150
FL	Sec. 30, T6N, R20W, Walton County [2]	345	105	Atlantic Ocean	(1)	(1)	100
GA	Brasstown Bald	4,784	1,459	Atlantic Ocean	(1)	(1)	600
HI	Mauna Kea	13,796	4,208	Pacific Ocean	(1)	(1)	3,030
ID	Borah Peak	12,662	3,862	Snake River	710	217	5,000
IL	Charles Mound	1,235	377	Mississippi River	279	85	600
IN	Franklin Twp., Wayne Co	1,257	383	Ohio River	320	98	700
IA	Sec. 29, T100N, R41W, Osceola County [2]	1,670	509	Mississippi River	480	146	1,100
KS	Mount Sunflower	4,039	1,232	Verdigris River	680	207	2,000
KY	Black Mountain	4,145	1,264	Mississippi River	257	78	750
LA	Driskill Mountain	535	163	New Orleans	−5	−2	100
ME	Mount Katahdin	5,268	1,607	Atlantic Ocean	(1)	(1)	600
MD	Backbone Mountain	3,360	1,025	Atlantic Ocean	(1)	(1)	350
MA	Mount Greylock	3,491	1,065	Atlantic Ocean	(1)	(1)	500
MI	Mount Arvon	1,979	604	Lake Erie	572	174	900
MN	Eagle Mountain, Cook Co	2,301	702	Lake Superior	602	184	1,200
MS	Woodall Mountain	806	246	Gulf of Mexico	(1)	(1)	300
MO	Taum Sauk Mountain	1,772	540	St. Francis River	230	70	800
MT	Granite Peak	12,799	3,904	Kootenai River	1,800	549	3,400
NE	Johnson Twp., Kimball Co	5,426	1,655	Southeast corner of State	840	256	2,600
NV	Boundary Peak	13,143	4,009	Colorado River	470	143	5,500
NH	Mount Washington	6,288	1,918	Atlantic Ocean	(1)	(1)	1,000
NJ	High Point	1,803	550	Atlantic Ocean	(1)	(1)	250
NM	Wheeler Peak	13,161	4,014	Red Bluff Reservoir	2,817	859	5,700
NY	Mount Marcy	5,344	1,630	Atlantic Ocean	(1)	(1)	1,000
NC	Mount Mitchell	6,684	2,039	Atlantic Ocean	(1)	(1)	700
ND	White Butte, Slope Co	3,506	1,069	Red River	750	229	1,900
OH	Campbell Hill	1,550	473	Ohio River	433	132	850
OK	Black Mesa	4,973	1,517	Little River	287	88	1,300
OR	Mount Hood	11,239	3,428	Pacific Ocean	(1)	(1)	3,300
PA	Mount Davis	3,213	980	Delaware River	(1)	(1)	1,100
RI	Jerimoth Hill	812	248	Atlantic Ocean	(1)	(1)	200
SC	Sassafras Mountain	3,560	1,086	Atlantic Ocean	(1)	(1)	350
SD	Harney Peak	7,242	2,209	Big Stone Lake	962	293	2,200
TN	Clingmans Dome	6,643	2,026	Mississippi River	182	56	900
TX	Guadalupe Peak	8,749	2,668	Gulf of Mexico	(1)	(1)	1,700
UT	Kings Peak	13,528	4,126	Beaverdam Creek	2,000	610	6,100
VT	Mount Mansfield	4,393	1,340	Lake Champlain	95	29	1,000
VA	Mount Rogers	5,729	1,747	Atlantic Ocean	(1)	(1)	950
WA	Mount Rainier	14,410	4,395	Pacific Ocean	(1)	(1)	1,700
WV	Spruce Knob	4,863	1,483	Potomac River	240	73	1,500
WI	Timms Hill	1,951	595	Lake Michigan	581	177	1,050
WY	Gannett Peak	13,804	4,210	Belle Fourche River	3,100	945	6,700
Other areas:							
PR	Cerro de Punta	4,389	1,339	Atlantic Ocean	(1)	(1)	1,800
Am. Samoa	Lata Mountain	3,160	964	Pacific Ocean	(1)	(1)	1,300
GU	Mount Lamlam	1,329	405	Pacific Ocean	(1)	(1)	330
VI	Crown Mountain	1,556	475	Atlantic Ocean	(1)	(1)	750

Z Less than .5 meter. (1) Sea level. [2] "Sec." denotes section; "T," township; "R," range; "N," north; "W,"

Source: U.S. Geological Survey, *Elevations and Distances in the United States*, 1980.

No. 338. Lengths of Principal North American Rivers

[Comprises rivers 600 miles or more in length. Length represents distance to designated outflow from (*a*) original headwater of named river where name applies to entire length of channel, or (*b*) upper limit of channel so named, usually the junction of 2 tributaries or headwater streams. One mile=1.609 kilometers]

RIVER/OUTFLOW	LENGTH		RIVER/OUTFLOW	LENGTH	
	Miles	Kilometers		Miles	Kilometers
Alabama-Coosa/Mobile River	600	986	Mississippi-Missouri-Red Rock/mouth of SW Pass	3,710	5,970
Albany/James Bay	610	981	Missouri/Mississippi River	2,315	3,725
Arkansas/Mississippi River	1,459	2,348	Missouri-Red Rock/Mississippi River	2,540	4,090
Back/Chantrey Inlet	600	965	Mobile-Alabama-Coosa/Mobile Bay	645	1,040
Brazos/Gulf of Mexico	923	1,490	North Canadian/Canadian River	488	785
Canadian/Arkansas River	906	1,458	North Platte/Platte River	618	994
Churchill/Hudson Bay	1,000	1,609	Ohio/Mississippi River	981	1,578
Cimarron/Arkansas River	600	965	Ohio-Allegheny/Mississippi River	1,306	2,101
Colorado (U.S.-Mex.)/Gulf of California	1,450	2,333	Ottawa/St. Lawrence	790	1,271
Colorado (Texas)/Matagorda Bay	862	1,387	Ouachita/Red River	605	973
Columbia/Pacific Ocean	1,243	2,000	Peace/Slave River	6,210	1,947
Columbia, Upper/to mouth of Snake River	890	1,432	Pecos/Rio Grande	926	1,490
			Red (OK-TX-LA)/Mississippi River	1,179	1,897
Cumberland/Ohio River	720	1,158	Rio Grande/Gulf of Mexico	1,760	2,840
Fraser/Strait of Georgia	850	1,368	St. Lawrence/Lake Ontario	800	1,287
Gila/Colorado River	649	1,044	Saskatchewan N./Lake Winnipeg	800	1,290
Green (UT-WY)/Colorado River	730	1,175	Saskatchewan S./Lake Winnipeg	865	1,390
James (ND-SD)/Missouri River	710	1,142	Severn (Ontario)/Hudson Bay	610	981
			Snake/Columbia River	1,038	1,670
Kuskokwim/Kuskokwim Bay	724	1,165	Tanana/Yukon River	659	1,060
Liard/Mackenzie River	693	1,115			
Mackenzie/Arctic Ocean	900	1,448	Tennessee/Ohio River	652	1,049
Milk/Missouri River	625	1,006	Tennessee-French Broad/Ohio River	883	1,421
Mississippi/Mouth of SW Pass	2,348	3,778	White (AR-MO)/Mississippi River	720	1,158
			Yellowstone/Missouri River	692	1,110
Mississippi, Upper/to mouth of Missouri River	1,171	1,884	Yukon/Bering Sea	1,979	3,185

Source: U.S. Geological Survey, unpublished data.

No. 339. Water Area, Other Than Inland Water—States

[Includes only that portion of body of water under the jurisdiction of the United States, excluding Alaska and Hawaii. Excludes inland waters; see footnote 2, table 1. One square mile=2.59 square kilometers]

BODY OF WATER	AREA		BODY OF WATER	AREA	
	Sq. mi.	Sq. km.		Sq. mi.	Sq. km.
Total	**74,364**	**192,603**	Gulf of Mexico coastal water	3,837	9,938
			Alabama	560	1,450
Atlantic coastal water	2,298	5,952	Florida	1,698	4,398
Florida	37	96	Louisiana	1,016	2,631
Georgia	48	124	Mississippi	556	1,440
Maine	1,102	2,854	Texas	7	18
Massachusetts	959	2,484			
Rhode Island	14	36	Lake Michigan	22,178	57,441
South Carolina	138	357	Illinois	1,526	3,952
			Indiana	228	591
Chesapeake Bay	3,237	8,384	Michigan	13,037	33,766
Maryland	1,726	4,470	Wisconsin	7,387	19,132
Virginia	1,511	3,913			
			New York Harbor	92	238
Delaware Bay	665	1,722	New Jersey	69	179
Delaware	350	907	New York	23	60
New Jersey	315	816	Lake Ontario: New York	3,033	7,855
Lake Erie	5,002	12,955	Pacific coastal water	343	888
Michigan	216	559	California	69	179
New York	594	1,538	Oregon	48	124
Ohio	3,457	8,954	Washington	226	585
Pennsylvania	735	1,904			
			Puget Sound: Washington	561	1,453
Straits of Georgia and Juan de Fuca: Washington	1,610	4,170	Lake St. Clair: Michigan	116	300
Lake Huron: Michigan	8,975	23,245	Lake Superior	21,118	54,696
Long Island Sound	1,298	3,364	Michigan	16,231	42,038
Connecticut	573	1,484	Minnesota	2,212	5,729
New York	726	1,880	Wisconsin	2,675	6,928

Source: U.S. Bureau of the Census, *Areas of the United States: 1940.*

No. 340. Water Withdrawals and Consumptive Use—States and Other Areas: 1985

[**In millions of gallons per day, except as noted.** Figures may not add due to rounding. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water]

STATE OR OTHER AREA	WATER WITHDRAWN								Con- sumptive use,[4] fresh water
	Total [1]	Per capita (gal. per day) fresh	Source		Use				
			Ground water	Sur- face water	Irriga- tion	Public sup- ply [2]	Indus- trial [3]	Thermo- electric	
Total	**399,000**	**1,400**	**74,000**	**325,000**	**137,000**	**39,900**	**29,300**	**187,000**	[illegible]
Alabama	8,600	2,140	347	8,250	69	654	851	6,920	[illegible]
Alaska	406	727	72	334	-	86	133	30	[illegible]
Arizona	6,430	1,960	3,100	3,330	5,520	645	133	58	[illegible]
Arkansas	5,910	2,500	3,810	2,100	3,870	317	175	1,090	[illegible]
California	49,700	1,420	15,100	34,600	30,600	5,450	1,159	12,180	[illegible]
Colorado	13,600	4,190	2,340	11,200	12,400	754	211	110	[illegible]
Connecticut	3,780	375	144	3,640	3	401	147	3,210	[illegible]
Delaware	1,650	222	79	1,580	27	87	410	1,121	[illegible]
District of Columbia	348	556	-	348	-	218	-	130	[illegible]
Florida	17,000	554	4,050	13,000	2,910	1,939	679	11,351	[illegible]
Georgia	5,450	899	1,000	4,440	453	935	656	3,326	[illegible]
Hawaii	2,150	1,100	655	1,490	906	215	20	970	[illegible]
Idaho	22,300	22,200	4,800	17,500	20,600	301	334	-	[illegible]
Illinois	14,500	1,250	968	13,500	71	1,910	639	11,700	[illegible]
Indiana	8,030	1,470	635	7,400	47	714	2,751	4,480	[illegible]
Iowa	2,770	960	671	2,090	67	415	260	1,810	[illegible]
Kansas	5,670	2,310	4,800	866	4,730	358	95	415	[illegible]
Kentucky	4,200	1,130	205	3,990	8	451	266	3,410	[illegible]
Louisiana	10,400	2,210	1,440	8,960	1,480	675	2,100	5,964	[illegible]
Maine	1,520	733	66	1,460	2	127	250	745	[illegible]
Maryland	6,710	321	219	6,490	34	834	371	5,429	[illegible]
Massachusetts	9,660	1,070	315	9,340	16	802	153	8,450	[illegible]
Michigan	11,400	1,270	600	10,800	210	1,373	1,385	8,390	[illegible]
Minnesota	2,830	676	685	2,150	209	604	457	1,470	[illegible]
Mississippi	2,510	885	1,580	933	886	328	236	670	[illegible]
Missouri	6,110	1,210	640	5,470	306	699	116	4,930	[illegible]
Montana	8,650	10,500	203	8,450	8,300	174	60	67	[illegible]
Nebraska	10,000	6,250	5,590	4,450	7,270	272	167	2,210	[illegible]
Nevada	3,740	3,860	908	2,830	3,350	300	35	23	[illegible]
New Hampshire	694	688	84	610	1	111	239	543	[illegible]
New Jersey	6,940	307	668	6,270	132	1,114	1,137	4,546	[illegible]
New Mexico	3,280	2,320	1,510	1,780	2,820	264	83	59	[illegible]
New York	15,200	508	1,100	14,100	38	3,051	1,080	10,870	[illegible]
North Carolina	8,760	1,260	435	8,320	132	764	539	7,266	[illegible]
North Dakota	1,160	1,690	127	1,040	154	84	13	892	[illegible]
Ohio	12,700	1,180	730	12,000	17	1,559	540	10,500	[illegible]
Oklahoma	1,270	386	568	707	445	547	113	134	[illegible]
Oregon	6,540	2,450	660	5,880	5,710	496	301	12	[illegible]
Pennsylvania	14,300	1,210	799	13,500	11	1,784	2,208	10,200	[illegible]
Rhode Island	409	152	27	381	3	122	20	261	[illegible]
South Carolina	6,820	2,040	214	6,610	34	421	1,130	5,186	[illegible]
South Dakota	675	956	249	425	460	96	46	4	[illegible]
Tennessee	8,450	1,770	444	8,010	9	697	1,613	6,060	[illegible]
Texas	25,300	1,230	7,410	17,900	8,120	3,095	2,763	11,010	[illegible]
Utah	4,320	2,540	815	3,500	3,590	453	213	24	[illegible]
Vermont	126	235	37	89	1	65	55	1	[illegible]
Virginia	7,250	853	341	6,910	52	691	673	5,760	[illegible]
Washington	7,030	1,600	1,220	5,810	4,940	1,053	559	427	[illegible]
West Virginia	5,440	2,810	227	5,210	4	172	1,028	4,210	[illegible]
Wisconsin	6,740	1,400	570	6,170	84	659	461	5,440	[illegible]
Wyoming	6,220	12,200	526	5,700	5,660	111	184	236	[illegible]
Puerto Rico	2,600	176	175	2,430	157	409	18	2,005	[illegible]
Virgin Islands	124	68	2	123	-	6	14	103	1

- Represents zero. [1] Includes self-supplied withdrawals for commercial use not shown separately under "use." [2] Includes domestic withdrawals for normal household purposes. [3] Includes water used in mining. [4] Water that has been evaporated, transpired, or incorporated into products, plant or animal tissue; and therefore, is not available for immediate

Source: U.S. Geological Survey, *Estimated Use of Water in the United States in 1985*, circular 1004.

No. 341. U.S. WATER WITHDRAWALS AND CONSUMPTIVE USE PER DAY BY END USE: 1940 TO 1985

[Includes Puerto Rico. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water; excludes water used for hydroelectric power. See also *Historical Statistics, Colonial Times to 1970,* series J 92-103]

YEAR	Total (bil. gal.)	Per capita[1] (gal.)	Irrigation (bil. gal.)	PUBLIC SUPPLY[2]		Rural[4] (bil. gal.)	Industrial and misc.[5] (bil. gal.)	Steam electric utilities (bil. gal.)
				Total (bil. gal.)	Per capita[3] (gal.)			
WITHDRAWALS								
1940	140	1,027	71	10	75	3.1	29	23
1950	180	1,185	89	14	145	3.6	37	40
1955	240	1,454	110	17	148	3.6	39	72
1960	270	1,500	110	21	151	3.6	38	100
1965	310	1,602	120	24	155	4.0	46	130
1970	370	1,815	130	27	166	4.5	47	170
1975	420	1,972	140	29	168	4.9	45	200
1980	450	1,953	150	34	183	5.6	45	210
1985	400	1,650	140	38	189	7.8	30	190
CONSUMPTIVE USE								
1960	61	339	52	3.5	25	2.8	3.0	.2
1965	77	403	66	5.2	34	3.2	3.4	.4
1970	87	427	73	5.9	36	3.4	4.1	.8
1975	96	451	80	6.7	38	3.4	4.2	1.9
1980	100	440	83	7.1	38	3.9	5.0	3.2
1985	92	380	74	(6)	(6)	[7] 9.2	6.1	6.2

[1] Based on Bureau of the Census resident population as of July 1. [2] Includes commercial water withdrawals. [3] Based on population served. [4] Rural farm and nonfarm household and garden use, and water for farm stock and dairies. [5] For 1940-1960, includes manufacturing and mineral industries, rural commercial industries, air-conditioning, resorts, hotels, motels, military and other State and Federal agencies, and miscellaneous; thereafter, includes manufacturing, mining and mineral processing, ordnance, construction, and miscellaneous. [6] Public supply consumptive use included in end-use categories. [7] Includes domestic, public supply, and commercial.

Source: 1940-1960, U.S. Bureau of Domestic Business Development, based principally on committee prints, *Water Resources Activities in the United States,* for the Senate Committee on National Water Resources, U.S. Senate, thereafter U.S. Geological Survey, *Estimated Use of Water in the United States in 1985,* circular 1005, and previous quinquennial issues.

No. 342. NATIONAL AMBIENT WATER QUALITY IN RIVERS AND STREAMS—VIOLATION RATE: 1975 TO 1986

[In percent. Violation level based on U.S. Environmental Protection Agency water quality criteria. Violation rate represents the proportion of all measurements of a specific water quality pollutant which exceeds the "violation level" for that pollutant. "Violation" does not necessarily imply a legal violation. Data based on U.S. Geological Survey's National Stream Quality Accounting Network (NASQAN) data system; for details, see source. Years refer to water years. A water year begins in Oct. and ends in Sept. µg=micrograms. mg=milligrams. For metric conversions, see p. xii]

POLLUTANT	VIOLATION LEVEL	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Fecal coliform bacteria	Above 200 cells per 100 ml	36	35	34	31	30	33	34	30	28	28
Dissolved oxygen	Below 5 mg per liter	5	5	4	5	4	5	4	3	3	2
Phosphorus, total, as phosporous	Above 1.0 mg per liter	5	5	3	4	4	3	3	4	3	4
Lead, dissolved	Above 50 µg per liter	(B)	(B)	13	5	3	2	5	(Z)	(Z)	(Z)
Cadmium, dissolved	Above 10 µg per liter	(B)	(B)	4	1	1	1	1	(Z)	(Z)	(Z)

B Base figure too small to meet statistical standards for reliability of derived figures. Z Less than 1.

Source: U.S. Geological Survey, national-level data, unpublished; State-level data, *Water-Data Report,* annual series prepared in cooperation with the State governments.

No. 343. POLLUTING INCIDENTS REPORTED IN AND AROUND U.S. WATERS: 1970 TO 1986

ITEM	Incidents	Gallons (1,000)
1970	3,771	15,253
1971	8,736	8,840
1972	9,931	18,806
1973	13,328	24,315
1974	14,432	19,422
1975	12,781	22,243
1976	13,930	36,608
1977	15,330	11,248
1978	14,495	17,557
1979	13,134	13,661
1980	11,155	15,093
1981	10,564	19,773
1982	10,414	23,154
1983	11,346	30,076
1984	13,026	18,117
1985	11,023	21,718
1986[1]	**9,213**	**5,529**
Type of pollutant:		
Oil	8,576	5,070
Chemical	637	459

[1] Preliminary.

Source: U.S. Coast Guard. Based on unpublished data from the *Marine Safety Information System,* June 1988

No. 344. National Ambient Air Pollutant Concentrations: 1977 to 1986

[Data represent annual composite averages of pollutant based on daily 24-hour averages of monitoring stations, except carbon monoxide is based on the second-highest, non-overlapping, 8-hour average; ozone, average of the second-highest daily maximum one hour value; and lead, quarterly average of ambient lead levels. Based on data from the National Aerometric Data Bank. µg/m^3=micrograms of pollutant per cubic meter of air; ppm=parts per million]

POLLUTANT	Unit	Monitoring stations, number	Air quality standard [1]	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Carbon monoxide	ppm	182	[2] 9	10.7	10.2	9.8	9.1	8.8	8.1	8.0	8.0	7.2	7.2
Ozone	ppm	242	[3] .122	.16	.16	.14	.15	.13	.13	.15	.13	.13	.12
Sulfur dioxide	ppm	302	.03	.014	.013	.012	.011	.010	.010	.009	.010	.009	.009
Total suspended particulates	µg/m^3	1,435	75	62.9	62.4	[4] 63.4	[4] 64.8	[4] 60.2	50.2	49.7	50.9	48.5	48.4
Nitrogen dioxide	ppm	111	.053	.029	.029	.029	.028	.027	.026	.025	.026	.025	.025
Lead	µg/m^3	82	[5] 1.5	1.16	1.04	.79	.55	.44	.47	.39	.35	.23	.15
INDEX													
Carbon monoxide	1977=100	182	[2] 9	100	95	92	85	82	76	75	75	67	67
Ozone		242	[3] .122	100	100	88	94	81	81	94	81	81	75
Sulfur dioxide		302	.03	100	93	86	79	71	71	64	71	64	64
Total suspended particulates		1,435	75	100	99	[4] 101	[4] 103	[4] 96	80	79	81	77	77
Nitrogen dioxide		111	.053	100	100	100	97	93	90	86	90	86	86
Lead		82	[5] 1.5	100	90	68	47	38	41	34	30	20	13

[1] Refers to the primary National Ambient Air Quality Standard that protects the public health. [2] Based on 8-hour standard of 9 ppm. [3] Based on 1-hour standard of .12 ppm. [4] Values are biased high due to type of data measuring instruments used. [5] Based on 3-month standard of 1.5 µg/m^3.

Source: U.S. Environmental Protection Agency, *National Air Quality and Emissions Trends Report, 1986,* February 1988.

No. 345. National Air Pollutant Emissions: 1940 to 1986

[In millions of metric tons, except lead in thousands of metric tons. Metric ton=1.1023 short tons. PM=Particulates, SO$_x$=Sulfur oxides, NO$_x$=Nitrogen oxide, VOC=Volatile organic compound, CO=Carbon monoxide, Pb=Lead]

YEAR	EMISSIONS						PERCENT CHANGE [1]					
	PM	SO$_x$	NO$_x$	VOC	CO	Pb	PM	SO$_x$	NO$_x$	VOC	CO	Pb
1940	23.1	17.6	6.8	18.6	81.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1950	24.9	19.8	9.3	21.0	86.3	(NA)	7.8	12.5	36.8	12.9	5.8	(NA)
1960	21.6	19.7	12.8	23.8	88.4	(NA)	−13.3	−.5	37.6	13.3	2.4	(NA)
1970	18.5	28.3	18.1	27.5	98.7	203.8	−14.4	43.7	41.4	15.5	11.7	(NA)
1975	10.6	26.0	19.1	22.8	81.0	147.0	−42.7	−8.1	5.5	−17.1	−17.9	−27.9
1980	8.5	23.9	20.3	23.0	76.1	70.6	−19.8	−8.1	6.3	.9	−6.0	−52.0
1981	8.0	23.5	20.3	21.6	73.4	55.9	−5.9	−1.7	-	−6.1	−3.5	−20.8
1982	7.1	22.0	19.5	20.1	67.4	54.4	−11.2	−6.4	−3.9	−6.9	−8.2	−2.7
1983	7.1	21.5	19.1	20.9	70.3	46.3	-	−2.3	−2.1	4.0	4.3	−14.9
1984	7.4	22.1	19.7	21.9	69.6	40.1	4.2	2.8	3.1	4.8	−1.0	−13.4
1985	7.0	21.6	19.7	20.3	64.3	21.1	−5.4	−2.3	-	−7.3	−7.6	−47.4
1986	6.8	21.2	19.3	19.5	60.9	8.6	−2.9	−1.9	−2.0	−3.9	−5.3	−59.2

- Represents zero. NA Not available. [1] Percent change from prior year shown.

No. 346. Air Pollutant Emissions, by Pollutant and Source: 1970 to 1986

[In millions of metric tons, except lead in thousands of metric tons. Metric ton=1.1023 short tons]

YEAR AND POLLUTANT	Total emissions	CONTROLLABLE EMISSIONS						Misc. uncontrollable	PERCENT OF TOTAL		
		Transportation		Fuel combustion [1]		Industrial processes	Solid waste disposal		Transportation	Fuel combustion [1]	Industrial
		Total	Road vehicles	Total	Electric utilities						
1970: Carbon monoxide	98.7	71.8	62.7	4.4	.2	9.0	6.4	7.2	72.7	4.5	9.1
Sulfur oxides	28.4	.6	.3	21.3	15.8	6.4	-	.1	2.1	75.0	22.5
Volatile organic compounds	27.5	12.4	11.1	1.1	-	8.9	1.8	3.3	45.1	4.0	32.4
Particulates	18.5	1.2	.9	4.6	2.3	10.5	1.1	1.1	6.5	24.9	56.8
Nitrogen oxides	18.1	7.6	6.0	9.1	4.4	.7	.4	.3	42.0	50.3	3.9
Lead	203.8	163.6	156.0	9.6	.3	23.9	6.7	-	80.3	4.7	11.7
1980: Carbon monoxide	76.1	52.6	45.3	7.3	.3	6.3	2.2	7.6	69.1	9.6	8.3
Sulfur oxides	23.9	.9	.4	19.3	16.1	3.8	-	-	3.8	80.8	15.9
Volatile organic compounds	23.0	8.2	6.9	2.2	-	9.2	.6	2.9	35.7	9.6	40.0
Particulates	8.5	1.3	1.1	2.4	.8	3.3	.4	1.1	15.3	28.2	38.8
Nitrogen oxides	20.3	9.2	7.2	10.1	6.4	.7	.1	.2	45.3	49.8	3.4
Lead	70.6	59.4	56.4	3.9	.1	3.6	3.7	-	84.1	5.5	5.1
1986: Carbon monoxide	60.9	42.6	35.4	7.2	.3	4.5	1.7	5.0	70.0	11.8	7.4
Sulfur oxides	21.2	.9	.5	17.2	14.3	3.1	-	-	4.2	81.1	14.6
Volatile organic compounds	19.5	6.5	5.3	2.3	-	7.9	.6	2.2	33.3	11.8	40.5
Particulates	6.8	1.4	1.1	1.8	.4	2.5	.3	.8	20.6	26.5	36.8
Nitrogen oxides	19.3	8.5	6.6	10.0	6.6	.6	.1	.1	44.0	51.8	3.1
Lead	8.6	3.5	3.3	.5	.1	1.9	2.7	-	40.7	5.8	22.1

- Represents zero. [1] Stationary.

Source of tables 345 and 346: U.S. Environmental Protection Agency, *National Air Pollutant Emission Estimates, 1940-1986,* January 1988.

No. 347. Metropolitan Areas Failing to Meet NAAQS for Carbon Monoxide—Number of Days Exceeding Standards: 1986 and 1987

[For standard, see table 344. Non-attainment status was as of Dec. 31, 1987]

METROPOLITAN AREA	1986	1987	METROPOLITAN AREA	1986	1987
New York, NY PMSA	40	86	Memphis, TN–AR–MS	2	2
Spokane, WA	44	66	Raleigh-Durham, NC	20	2
Los Angeles-Long Beach, CA PMSA	54	40	Salt Lake City-Ogden, UT	9	2
Denver, CO	33	24	St. Louis, MO–IL	-	2
Steubenville-Weirton, OH–WV	-	24	Syracuse, NY	6	2
Las Vegas, NV	27	20	Vancouver, WA PMSA	(NA)	2
Provo-Orem, UT	24	20	Washington, DC–MD–VA	-	2
Fairbanks, AK [2]	32	15	Baltimore, MD	5	1
Albuquerque, NM	15	14	Detroit-Ann Arbor, MI CMSA	2	1
El Paso, TX	10	11	Duluth, MN	2	1
Phoenix, AZ	78	11	Nashua, NH PMSA	3	1
Sacramento, CA	11	9	Nashville, TN	3	1
Tacoma, WA PMSA	6	9	Newark, NJ PMSA	3	1
Hartford, CT PMSA	3	7	Pittsburgh, PA	2	1
Fort Collins-Loveland, CO	6	5	Reno, NV	23	1
Manchester, NH	6	5	San Francisco, CA CMSA	2	1
Minneapolis-St. Paul, MN–WI	5	5	Springfield, MA	2	1
Anchorage, AK	5	4	Springfield, MO	2	1
Grants Pass, OR [1]	2	4	Bergen-Passaic, NJ PMSA	2	-
Missoula, MT	1	4	Boise City, ID	3	-
Nassau-Suffolk, NY PMSA	1	4	Boston, MA CMSA	2	-
Oklahoma City, OK	3	4	Chico, CA	2	-
Seattle, WA PMSA	6	4	Cleveland, OH PMSA	2	-
Yakima, WA	3	4	Houston, TX	2	-
Great Falls, MT	1	3	Jersey City, NJ PMSA	2	-
Greeley, CO	4	3	Lincoln, NE	3	-
Medford, OR	18	3	Modesto, CA	4	-
Anaheim-Santa Ana, CA PMSA	3	2	San Jose, CA PMSA	4	-
Fresno, CA	8	2	Vallejo-Fairfield-Napa, CA PMSA	4	-
			Wichita, KS	2	-

- Represents zero. NA Not available. [1] Not a metropolitan area.

No. 348. Metropolitan Areas Failing to Meet NAAQS for Ozone—Number of Days Exceeding Standards: 1985 to 1987

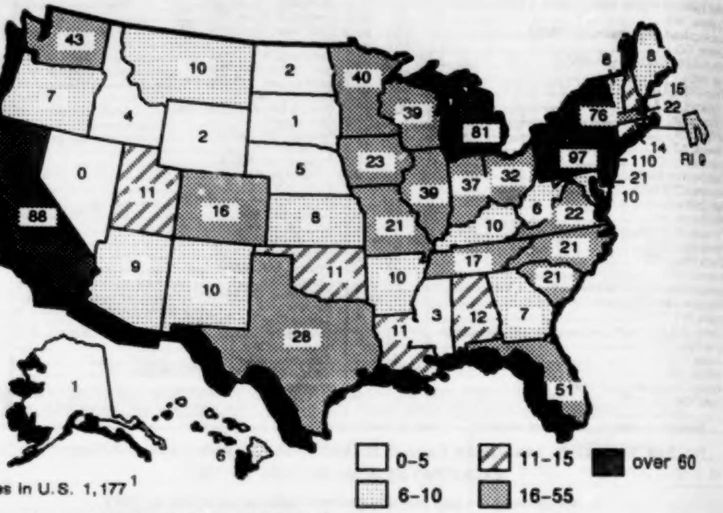
[For standard, see table 344. Non-attainment status was as of Dec. 31, 1987]

METROPOLITAN AREA	1985–1987, avg.	1987	METROPOLITAN AREA	1985–1987, avg.	1987
Los Angeles, CA CMSA	143.5	141.2	Charlotte-Gastonia-Rock Hill, NC–SC	3.0	4.0
Bakersfield, CA	35.1	47.6	Portland, ME	3.4	4.0
Fresno, CA	30.5	42.6	Parkersburg-Marietta, WV-OH	1.5	3.5
San Diego, CA	12.5	26.8	Santa Barbara, CA	1.7	3.4
Philadelphia, PA–NJ–DE CMSA	13.6	23.2	Allentown-Bethlehem, PA–NJ	1.4	3.2
Houston, TX CMSA	19.1	20.8	Beaumont-Port Arthur, TX	2.1	3.2
Modesto, CA	16.2	20.8	Kent County, DE [3]	1.8	3.2
New York, NY–NJ–CT CMSA	7.5	19.2	Nashville, TN	3.2	3.2
Sacramento, CA	13.1	18.4	Portsmouth-Dover, NH–ME	3.2	3.2
Atlanta, GA	13.5	15.0	Raleigh-Durham, NC	1.4	3.2
Milwaukee, WI [1]	3.7	12.9	Birmingham, AL	3.2	3.1
Chicago, IL–IN–WI CMSA	7.4	12.8	Miami-Hialeah, FL CMSA	2.1	3.1
Connecticut-Massachusetts MSA [2]	5.8	11.6	Grand Rapids, MI	1.3	3.0
Baltimore, MD	7.9	11.1	Richmond-Petersburg, VA	1.3	3.0
El Paso, TX	9.0	11.1	Cleveland, OH PMSA	1.8	2.2
Muskegon, MI	6.0	11.0	Cincinnati, OH–KY–IN PMSA	1.6	2.1
Washington, DC–MD–VA	6.2	10.5	Detroit-Ann Arbor, MI CMSA	2.0	2.1
Visalia-Tulare-Porterville, CA	7.6	8.9	Iberville Parish, LA [3]	2.4	2.1
St. Louis, MO–IL	5.4	8.0	Louisville, KY–IN	4.0	2.0
Providence, RI–MA CMSA	6.5	7.8	Memphis, TN–AR–MS	2.0	2.0
Knox County, ME [3]	4.4	6.5	Norfolk-Virginia Beach, VA	2.0	2.0
Kewaunee County, WI [3]	1.9	5.8	Portland, OR–WA CMSA	1.8	1.2
Kings County, CA [3]	5.6	5.6	Hancock County, ME [3]	1.3	1.1
Dallas-Fort Worth, TX CMSA	6.1	5.2	Indianapolis, IN	1.3	1.1
Huntington-Ashland, WV–KY–OH	3.8	5.2	Jacksonville, FL	2.1	1.1
Baton Rouge, LA	3.0	5.1	Lexington-Fayette, KY	1.6	1.1
York County, ME [3]	4.2	4.9	New Bedford, MA	2.4	1.0
Jefferson County, NY [3]	4.7	4.7	Salt Lake City-Ogden, UT	3.8	1.0
Boston, MA CMSA	2.2	4.3	Stockton, CA	3.5	1.0
Montgomery, AL	2.2	4.3	Tulsa, OK	1.1	1.0
Tampa, FL	2.1	4.2	Lincoln County, ME [3]	2.4	(NA)
Pittsburgh, PA CMSA	1.7	4.1	Kennebec County, ME [3]	1.2	-
San Francisco, CA CMSA	3.4	4.1	Phoenix, AZ	1.2	-
Atlantic City, NJ	3.4	4.0	Worcester, MA	2.1	-

- Represents zero. NA Not available. [1] Includes the Sheboygan, WI MSA. [2] Includes Bristol, Hartford, Middletown, New Britain, New Haven, and New London, CT and Springfield, MA MSA's. [3] Not a metropolitan area.

Source of tables 347 and 348: U.S. Environmental Protection Agency, press release of May 3, 1988.

Figure 6.2
Hazardous Waste Sites–June 1988



Total sites in U.S. 1,177[1]

Represents final and proposed sites on National Priority List.

[1] Includes nine in Puerto Rico; and one in Guam.

Source: U. S. Environmental Protection Agency, National Priorities List Fact Book.

No. 349. Municipal Solid Waste Generation, Recovery, and Disposal: 1960 to 1986

[In **millions of tons**, except as indicated. Covers post-consumer residential and commercial solid wastes which compris major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and constructi wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure a wet weight as generated]

ITEM AND MATERIAL	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985
Gross waste generated	87.5	102.3	120.5	125.3	142.6	144.8	142.0	148.3	153.6	152.5
Per person per day (lb.)	2.65	2.88	3.22	3.18	3.43	3.45	3.35	3.47	3.56	3.49
Materials recovered	5.8	6.2	8.0	9.1	13.4	13.2	12.9	13.9	15.3	15.3
Per person per day (lb.)	.18	.17	.21	.23	.32	.31	.30	.32	.35	.35
Processed for energy recovery	(NA)	.2	.4	.7	2.7	2.3	3.5	5.0	6.5	7.8
Per person per day (lb.)	(NA)	.01	.01	.02	.06	.05	.08	.12	.15	.17
Net waste disposed of	81.7	95.9	112.1	115.5	126.5	129.3	125.6	129.5	131.8	129.7
Per person per day (lb.)	2.48	2.70	3.00	2.93	3.04	3.08	2.96	3.03	3.05	2.97
Percent distribution of net discards:[1]										
Paper and paperboard	30.0	33.5	32.4	29.6	32.5	33.1	32.1	34.1	35.7	35.5
Glass	7.8	6.8	11.1	11.4	11.0	10.9	10.7	9.9	9.3	8.9
Metals	12.8	11.1	12.0	11.5	10.1	9.8	9.7	9.6	9.3	9.0
Plastics	.5	1.5	2.7	3.8	5.9	5.9	6.5	6.8	6.9	7.1
Rubber and leather	2.1	2.3	2.7	3.2	3.2	3.1	2.9	2.5	2.4	2.5
Textiles	2.1	2.0	1.8	1.9	2.0	2.6	2.2	2.1	2.0	2.0
Wood	3.7	3.6	3.6	3.8	3.8	3.3	3.9	3.9	3.7	3.9
Food wastes	14.9	12.9	11.4	11.5	9.2	9.2	9.3	8.9	8.8	9.0
Yard wastes	24.5	22.5	20.6	21.7	20.5	20.3	20.9	20.4	20.1	20.4
Other wastes	1.6	1.7	1.6	1.7	1.7	1.7	1.8	1.8	1.7	1.8

NA Not available. [1] Net discards after materials recovery and before energy recovery.

Source: Franklin Associates, Ltd., Prairie Village, KS, *Characterization of Municipal Solid Waste in the United States,* *2000,* 1988. Prepared for the U.S. Environmental Protection Agency.

No. 350. GENERATION AND RECOVERY OF SELECTED MATERIALS IN MUNICIPAL SOLID WASTE: 1960 TO 1986

[In millions of tons, except as indicated. Covers post-consumer residential and commercial solid wastes which comprise the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure and wet weight as generated]

ITEM AND MATERIAL	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
Gross waste generated:											
Paper and paperboard	29.8	37.9	43.9	42.6	53.9	55.0	52.4	57.7	62.5	61.7	64.7
Ferrous metals	9.9	10.1	12.6	12.3	11.6	11.4	11.3	11.4	11.3	10.7	11.0
Aluminum	.4	.5	.9	1.1	1.8	1.9	1.9	2.1	2.2	2.3	2.4
Glass	6.5	8.6	12.7	13.9	14.9	15.0	14.5	14.2	13.8	13.2	12.9
Plastics	.4	1.4	3.0	4.4	7.6	7.8	8.4	9.1	9.7	9.8	10.3
Materials recovered:											
Paper and paperboard	5.4	5.7	7.4	8.2	11.8	11.4	11.1	12.0	13.2	13.0	14.6
Ferrous metals	.1	.1	.2	.2	.4	.3	.3	.3	.3	.3	.4
Aluminum	(NA)	(NA)	(NA)	.1	.3	.5	.6	.6	.6	.6	.6
Glass	.1	.1	.2	.4	.8	.8	.8	.9	1.0	1.1	1.1
Plastics	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	.1	.1	.1
Percent of gross discards recovered:											
Paper and paperboard	18.1	15.0	16.9	19.2	21.9	20.7	21.2	20.8	21.1	21.1	22.6
Ferrous metals	.5	1.0	1.6	1.6	3.4	2.6	2.6	2.6	2.7	2.8	3.6
Aluminum	(NA)	(NA)	(NA)	9.1	16.7	26.3	31.6	28.6	27.3	26.1	25.0
Glass	1.5	1.2	2.3	2.9	5.4	5.3	5.5	6.3	7.2	8.3	8.5
Plastics	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.0	1.0	1.0

NA Not available.

Source: Franklin Associates, Ltd., Prairie Village, KS, *Characterization of Municipal Solid Waste in the United States, 1960 to 2000*, 1988. Prepared for the U.S. Environmental Protection Agency.

No. 351. SYNTHETIC ORGANIC PESTICIDES—PRODUCTION AND SALES: 1960 TO 1986

[Includes a small quantity of soil conditioners]

ITEM	Unit	1960	1965	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Production, total	**Mil. lb**	**648**	**877**	**1,034**	**1,603**	**1,416**	**1,429**	**1,468**	**1,430**	**1,113**	**1,017**	**1,189**	**1,235**	**1,180**
Herbicides	Mil. lb	102	263	404	788	664	657	806	839	623	570	716	756	725
Insecticides	Mil. lb	366	490	490	660	605	617	506	448	379	324	350	370	342
Fungicides	Mil. lb	179	124	140	155	147	155	156	143	111	123	123	109	113
Production value [1]	Mil. dol.	307	577	1,058	2,900	3,342	3,685	4,269	5,136	4,331	3,993	5,056	5,360	5,305
Sales, total	**Mil. lb**	**570**	**764**	**881**	**1,317**	**1,300**	**1,369**	**1,406**	**1,291**	**1,147**	**1,017**	**1,108**	**1,022**	**940**
Sales value	Mil. dol.	262	497	870	2,359	3,041	3,631	4,078	4,652	4,432	4,054	4,730	4,437	4,234

[1] Manufacturers unit value multiplied by production.

Source: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service, *The Pesticide Review*, 1978; and unpublished data. Based on data from U.S. International Trade Commission, *Synthetic Organic Chemicals*, annual.

No. 352. THREATENED AND ENDANGERED WILDLIFE AND PLANT SPECIES—NUMBER: 1988

[As of March 31. Endangered species: One in danger of becoming extinct throughout all or a significant part of its natural range. Threatened species: One likely to become endangered in the foreseeable future]

ITEM	Mammals	Birds	Reptiles	Amphibians	Fishes	Snails	Clams	Crustaceans	Insects	Plants
Endangered species, total	287	221	74	13	54	4	31	5	8	146
U.S. only	28	61	8	5	41	3	29	5	8	139
U.S. and foreign	19	15	7	-	2	-	-	-	-	6
Foreign only [1]	240	145	59	8	11	1	2	-	-	1
Threatened species, total	29	10	32	4	31	5	-	1	7	36
U.S. only	3	7	14	4	25	5	-	1	7	31
U.S. and foreign	3	3	4	-	6	-	-	-	-	3
Foreign only [1]	23	-	14	-	-	-	-	-	-	2

- Represents zero. [1] Species outside U.S. and outlying areas as determined by Fish and Wildlife Service.

Source: U.S. Fish and Wildlife Service, *Endangered Species Technical Bulletin*, April 1988, Vol. XIII, No. 4.

No. 353. Pollution Abatement and Control Expenditures, 1975 to 1986, and by Media, 198

[In millions of dollars, except percent. Excludes agricultural production of crops and livestock except feedlots]

TYPE	1975	1980	1981	1982	1983	1984	1985	1986, prel.		
								Total [1]	Air	Water
CURRENT DOLLARS										
Total expenditures	30,177	53,538	57,470	57,680	61,779	68,829	74,276	77,872	33,267	30,449
Percent Government	26.9	25.3	22.1	21.8	20.7	20.7	21.5	22.3	3.2	36.8
Pollution abatement	28,420	50,491	54,343	54,500	58,080	65,230	70,585	73,981	31,177	29,579
Personal consumption	3,243	6,589	8,152	8,318	9,771	10,767	11,833	12,259	12,259	–
Business	17,602	32,293	35,545	35,610	37,609	42,191	44,679	46,361	18,466	19,351
Government	7,576	11,609	10,647	10,571	10,700	12,273	14,073	15,361	452	10,228
Federal	432	484	506	550	795	944	1,225	1,186	130	658
State and local	1,752	2,778	3,053	3,274	3,547	3,886	4,333	4,739	10	446
Govt. enterprise fixed capital	5,392	8,347	7,088	6,747	6,358	7,443	8,515	9,436	312	9,124
Regulation and monitoring	653	1,296	1,378	1,387	1,365	1,362	1,279	1,429	427	546
Research and development	1,104	1,751	1,749	1,793	2,335	2,237	2,412	2,463	1,663	324
CONSTANT (1982) DOLLARS										
Total expenditures	53,513	62,046	60,317	57,680	60,007	64,713	67,734	70,793	32,165	26,931
Pollution abatement	50,408	58,421	56,952	54,500	56,453	61,326	64,460	67,533	30,401	26,201
Personal consumption	5,901	7,164	8,200	8,318	9,731	10,565	11,332	12,218	12,218	–
Business	31,502	37,885	37,543	35,610	36,533	39,495	40,817	42,188	17,757	17,470
Government	13,005	13,372	11,209	10,571	10,188	11,266	12,312	13,127	426	8,732
Regulation and monitoring	1,103	1,533	1,480	1,387	1,316	1,230	1,103	1,202	359	459
Research and development	2,002	2,092	1,884	1,793	2,239	2,157	2,171	2,058	1,405	271

– Represents zero. [1] Includes "other and unallocated" expenditures (such as for noise, radiation, and pesticide and business expenditures not assigned to media) which may be either positive or negative; therefore, data may not

No. 354. Air and Water Pollution Abatement Expenditures in Constant (1982) Dollars: 1975 to 1986

[In millions of dollars. See headnote, table 353]

YEAR	AIR							WATER			
	Total	Mobile sources [1]			Stationary sources			Total [4]	Industrial		Public sewer systems [5]
		Total	Cars	Trucks	Total [2]	Industrial					
						Facilities	Operations [3]		Facilities	Operations [3]	Facilities
1975	20,768	9,324	7,419	1,904	11,444	6,669	4,348	22,840	4,200	2,950	8,997
1978	23,774	11,877	8,928	2,949	11,900	5,652	5,711	26,631	4,277	3,934	10,080
1979	24,462	11,757	8,469	3,288	12,706	5,969	6,108	26,470	4,013	4,222	9,758
1980	24,744	11,764	8,818	2,946	12,980	5,946	6,304	24,647	3,725	4,061	8,942
1981	25,850	13,401	10,564	2,837	12,449	5,446	6,299	21,984	3,259	4,180	6,882
1982	24,961	13,464	10,530	2,934	11,496	5,086	5,675	21,199	3,080	4,022	6,146
1983	26,367	15,581	12,274	3,307	10,786	4,104	5,990	21,543	2,811	4,509	5,551
1984	28,591	17,561	13,481	4,081	11,030	4,115	6,260	23,257	2,900	4,795	6,387
1985	29,524	18,704	14,217	4,486	10,819	3,929	6,342	24,770	2,941	5,042	6,980
1986, prel.	30,401	19,535	14,830	4,704	10,867	3,881	6,425	26,201	2,852	5,279	7,707

[1] Excludes expenditures to reduce emissions from sources other than cars and trucks. [2] Includes other expenditures shown separately. [3] Operation of facilities. [4] Includes nonpoint sources not shown separately. [5] Includes expenditures private connectors to sewer systems, by owners of animal feedlots, and by government enterprises.

Source of tables 353 and 354: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988.

No. 355. Federal Grants-in-Aid to State and Local Governments for Pollution Abatement and Control: 1973 to 1986

[In millions of dollars]

ACTIVITY	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985
CURRENT DOLLARS										
Total grants-in-aid	1,056.9	2,869.6	4,149.8	5,098.7	5,239.9	4,888.9	4,421.1	4,381.1	5,518.9	5,601.0
Pollution abatement	915.9	2,720.8	3,878.8	4,797.2	4,926.9	4,582.3	4,126.2	4,095.3	5,184.6	5,186.4
Regulation and monitoring	76.2	101.6	214.2	230.9	249.1	278.6	266.6	250.4	302.1	394.6
Research and development	64.8	47.2	56.8	70.6	63.9	28.0	28.3	35.4	32.2	20.0
CONSTANT (1982) DOLLARS [1]										
Total grants-in-aid	2,105.0	4,932.5	5,664.2	6,241.3	5,948.5	5,138.4	4,421.1	4,159.4	5,057.3	4,849.3
Pollution abatement	1,819.2	4,676.8	5,284.7	5,847.9	5,577.5	4,811.3	4,126.2	3,881.8	4,755.6	4,493.7
Regulation and monitoring	157.1	175.7	300.0	302.7	297.1	297.1	266.6	244.0	272.9	338.6
Research and development	128.7	80.1	79.4	90.8	73.9	30.0	28.3	33.6	28.8	17.0

[1] Estimates are derived using measures of price change of goods and services purchased by State and local governments pollution abatement and control.

Source: U.S. Bureau of Economic Analysis, unpublished data.

No. 356. New Capital Business Expenditures for Pollution Abatement: 1975 to 1987

SIC[1]	SELECTED INDUSTRY	POLLUTION ABATEMENT EXPENDITURES (bil. dol.)									PERCENT OF TOTAL CAPITAL OUTLAYS BY BUSINESS[3]		
		1975	1980	1984	1985	1986				1987[2] planned	1975	1980	1987[2]
						Total	Air	Water	Solid waste				
(X)	**Nonfarm business, total**	**6.81**	**8.19**	**8.44**	**8.61**	**8.45**	**4.09**	**3.20**	**1.16**	**7.73**	**4.2**	**2.9**	**1.7**
(X)	Manufacturing[4]	4.66	5.35	4.53	5.13	5.33	2.40	2.27	.66	5.44	8.7	4.8	3.8
20	Food, incl. beverage	.30	.26	.26	.25	.27	.09	.13	.05	.25	6.8	3.2	2.3
26	Paper	.47	.46	.54	.58	.55	.25	.15	.15	.66	16.0	7.1	7.8
28	Chemicals	.76	.69	.58	.74	.96	.39	.46	.11	1.05	10.7	5.9	6.2
29	Petroleum	1.21	1.54	1.28	1.25	1.28	.52	.65	.11	1.25	13.3	7.9	7.7
33	Primary metals	.92	.94	.86	.89	.76	.43	.29	.04	.66	16.9	13.9	7.7
35	Machinery, except electrical	.09	.12	.19	.15	.10	.02	.07	.01	.10	1.9	1.1	.1
36	Electrical machinery	.09	.22	.16	.16	.25	.07	.13	.05	.22	2.9	2.3	1.4
37	Transportation equipment	.15	.46	.36	.55	.60	.38	.14	.07	.53	2.7	3.2	3.1
49	Public utilities	1.56	3.06	3.25	2.87	2.50	1.49	.68	.33	1.76	7.7	8.1	3.6

X Not applicable. [1] Standard Industrial Classification, see text, section 13. [2] Expenditures planned as of January and February 1987. [3] Based on outlays reported in source; see also table 878. [4] Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, October 1987 and unpublished data.

No. 357. Pollution Abatement Capital Expenditures and Operating Costs of Manufacturing Establishments, 1980 to 1986, and by Selected Industry Group, 1986

[In millions of dollars. Based on probability sample of about 20,000 manufacturing establishments. Excludes apparel and other textile establishments and establishments with less than 20 employees. Data will not agree with those shown in table 356; see source for details]

YEAR AND INDUSTRY GROUP	POLLUTION ABATEMENT CAPITAL EXPENDITURES					POLLUTION ABATEMENT GROSS OPERATING COSTS[1]				
	Total	Air	Water	Solid waste		Total	Air	Water	Solid waste	
				Hazardous	Nonhazardous				Hazardous	Nonhazardous
1980	3,502.9	2,105.5	1,146.5	251.0		8,141.8	3,297.6	3,193.1	1,650.6	
1981	3,484.9	2,193.6	1,028.4	263.1		9,109.9	3,697.8	3,554.3	1,855.7	
1982	3,024.1	1,828.2	977.0	218.5		8,565.0	3,455.9	3,468.5	1,619.9	
1983	2,045.0	1,029.0	819.0	60.9	136.0	9,925.1	3,806.9	3,943.2	573.5	1,601.6
1984	2,171.8	1,037.8	887.6	89.7	156.7	10,888.1	4,189.3	4,296.4	770.3	1,632.2
1985	2,809.7	1,292.3	1,017.9	326.2	172.9	11,677.9	4,330.2	4,609.5	943.0	1,795.3
All industries, 1986[2]	**2,846.9**	**1,462.8**	**1,038.7**	**169.6**	**175.9**	**12,258.7**	**4,261.7**	**4,820.1**	**1,135.4**	**2,041.4**
Food	185.7	61.8	108.1	2.8	12.7	932.6	126.7	559.9	5.7	240.3
Lumber and wood	33.3	17.8	10.9	1.7	2.8	178.9	61.6	42.5	13.4	61.2
Paper	271.2	137.0	96.8	4.8	32.4	1,154.6	319.1	565.7	32.0	237.7
Chemicals	624.4	197.8	325.4	57.3	43.5	2,654.2	646.5	1,301.8	350.0	355.8
Petroleum	424.3	273.6	121.5	22.8	6.2	2,005.1	1,230.8	577.9	109.8	86.6
Stone, clay, glass	84.4	53.1	13.6	3.8	13.7	423.5	237.0	68.2	18.9	99.3
Primary metal	225.6	102.8	74.6	23.8	24.4	1,741.9	968.4	508.3	100.5	163.5
Fabricated metals	135.7	36.6	80.8	9.6	8.5	502.5	95.6	187.7	99.5	119.5
Machinery exc. electrical	48.6	16.6	25.6	3.7	2.5	358.7	81.4	128.2	60.7	88.3
Electrical machinery	125.0	46.6	61.4	13.8	2.9	530.7	88.3	210.9	114.1	117.3
Transportation equipment	541.0	432.3	81.6	18.4	8.3	839.0	195.6	338.4	127.3	177.4

[1] Includes payments to governmental units. [2] Includes industries not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-200, annual.

No. 358. Tornadoes, Floods, and Tropical Cyclones: 1966 to 1987

[See also *Historical Statistics, Colonial Times to 1970*, series J 268-278]

ITEM	1966-1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Tornadoes, number[1]	8,030	835	852	788	852	866	783	1,046	931	907	684	764	656
Lives lost, total	1,172	44	43	53	84	28	24	64	34	122	94	15	59
Most in a single tornado	58	5	22	16	42	5	5	10	3	16	18	3	30
Property loss of $500,000 and over	428	46	46	59	73	92	55	92	95	125	69	75	36
Floods: Lives lost	1,526	187	212	125	103	97	90	155	200	126	304	80	(NA)
Property loss (mil. dol.)	10,225	1,000	1,393	1,000	4,000	1,500	1,000	3,500	4,100	4,000	3,000	4,000	(NA)
North Atlantic tropical cyclones and hurricanes:[2]													
Number reaching U.S. coast	25	2	1	2	5	2	2	1	2	2	11	6	7
Hurricanes only	13	1	1	-	3	1	-	-	1	1	7	4	3
Lives lost in U.S.	504	9	-	35	11	2	-	-	22	4	30	9	-

- Represents zero. NA Not available. [1] A violent, rotating column of air descending from a cumulonimbus cloud in the form of a tubular- or funnel-shaped cloud, usually characterized by movements along a narrow path and wind speeds from 100 to over 300 miles per hour. Also known as a "twister" or "waterspout." [2] Tropical cyclones have maximum winds of 39 to 73 miles per hour; hurricanes have maximum winds of 74 miles per hour or higher.

Source: U.S. National Oceanic and Atmospheric Administration, 1966-1980, *Climatological Data: National Summary*, monthly with annual summary; thereafter, *Storm Data*, monthly.

No. 359. Normal Daily Mean Temperature—Selected Cities

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1951 through 1980. See *Historical Statistics, Colonial Times to 1970*, series J 110-136 and J 164-267, for related data]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
AL	Mobile	50.8	53.6	60.1	68.0	74.9	80.5	82.2	81.8	78.2	68.5	58.6	53.1
AK	Juneau	21.8	27.8	31.2	39.1	46.5	52.7	55.7	54.6	49.2	41.8	32.7	26.8
AZ	Phoenix	52.3	56.1	60.6	68.0	77.0	86.5	92.3	89.9	84.6	73.4	60.6	53.3
AR	Little Rock	39.9	44.1	52.2	62.4	70.5	78.5	82.1	81.0	74.3	63.1	51.2	43.2
CA	Los Angeles	56.0	57.1	57.4	59.5	62.4	65.6	69.0	70.3	69.5	66.3	61.2	57.0
	Sacramento	45.3	50.3	53.2	58.2	64.9	71.2	75.6	74.7	71.7	63.9	53.0	45.6
	San Diego	56.8	58.4	59.0	61.2	63.4	66.3	70.3	72.2	71.0	67.5	61.8	57.4
	San Francisco	48.5	51.6	52.8	54.8	57.8	60.8	62.2	63.0	63.9	60.6	54.5	49.2
CO	Denver	29.5	33.6	38.0	47.4	57.2	67.0	73.3	71.4	62.6	51.9	38.7	32.6
CT	Hartford	25.2	27.6	36.8	48.8	59.4	68.6	73.4	71.3	63.3	52.4	41.6	29.1
DE	Wilmington	31.2	33.2	41.8	52.4	62.2	71.2	76.0	74.8	67.9	56.3	45.6	35.5
DC	Washington	35.2	37.5	45.8	56.7	66.0	74.5	78.9	77.6	71.1	59.3	48.7	38.9
FL	Jacksonville	53.2	55.1	61.3	67.7	74.1	79.0	81.3	81.0	78.2	69.5	60.8	54.8
	Miami	67.1	67.8	71.7	75.3	78.5	81.0	82.4	82.8	81.8	77.9	72.8	68.5
GA	Atlanta	41.9	44.9	52.5	61.8	69.3	75.8	78.6	78.2	73.0	62.2	52.0	44.5
HI	Honolulu	72.6	72.9	74.4	75.7	77.5	79.1	80.1	81.0	80.6	79.5	76.6	74.0
ID	Boise	29.9	36.1	41.4	48.6	57.4	65.8	74.6	72.0	63.2	51.9	39.7	32.0
IL	Chicago	21.4	26.0	36.0	48.8	59.1	68.6	73.0	71.9	64.7	53.5	39.8	27.7
	Peoria	21.5	26.8	37.3	51.3	61.6	71.2	75.0	73.1	65.6	53.9	39.8	27.8
IN	Indianapolis	26.0	29.9	40.0	52.4	62.5	71.6	75.1	73.2	66.6	54.8	41.8	31.5
IA	Des Moines	18.6	24.5	35.1	50.5	62.1	71.6	76.3	73.9	65.1	54.2	38.6	25.7
KS	Wichita	29.6	35.1	44.1	56.3	65.9	76.1	81.4	79.7	70.6	59.1	44.3	34.4
KY	Louisville	32.5	35.9	45.1	56.6	65.4	73.7	77.6	76.4	69.9	57.7	46.1	37.2
LA	New Orleans	52.4	54.7	61.4	68.7	74.9	80.3	82.1	81.7	78.5	69.2	60.0	54.6
ME	Portland	21.5	23.0	32.1	42.8	52.8	62.2	68.1	66.6	58.6	48.4	38.4	25.8
MD	Baltimore	32.7	34.7	43.3	54.0	63.4	72.2	76.8	75.6	68.9	56.9	46.3	36.5
MA	Boston	29.6	30.7	38.4	48.7	58.5	68.0	73.5	71.9	64.6	54.8	45.2	33.7
MI	Detroit	23.4	25.8	35.0	47.4	58.1	67.7	71.9	70.5	63.3	51.9	39.5	28.5
	Sault Ste. Marie	13.3	14.3	23.9	38.1	49.7	58.4	63.5	62.9	54.8	45.3	32.8	19.7
MN	Duluth	6.3	12.0	22.9	38.3	50.3	59.4	65.3	63.2	54.0	44.2	28.2	13.8
	Minneapolis-St. Paul	11.2	17.5	29.2	46.0	58.5	68.1	73.1	70.6	60.6	49.6	33.2	19.2
MS	Jackson	45.7	49.1	56.3	65.1	72.5	79.2	81.9	81.2	76.4	65.0	54.9	48.6
MO	Kansas City	25.9	32.1	41.5	54.8	64.6	73.6	78.5	76.7	68.4	57.5	43.1	31.9
	St. Louis	28.8	33.8	43.2	56.1	65.6	74.8	78.9	77.0	69.7	57.9	44.6	34.2
MT	Great Falls	18.7	26.7	31.4	42.7	53.2	61.9	69.3	67.5	57.4	47.9	34.0	25.7
NE	Omaha	20.2	27.2	37.3	52.2	63.3	73.0	77.7	75.2	65.8	54.5	39.5	27.2
NV	Reno	32.2	37.4	40.6	46.4	54.6	62.4	69.5	66.9	60.2	50.3	39.7	32.5
NH	Concord	19.9	22.2	32.1	44.1	55.2	64.7	69.5	67.3	59.1	48.2	37.3	24.5
NJ	Atlantic City	31.8	33.2	41.0	51.0	60.5	69.2	74.4	73.0	66.6	55.5	45.6	35.8
NM	Albuquerque	34.8	39.4	46.2	55.1	64.3	74.5	78.8	76.1	69.0	57.4	44.0	35.6
NY	Albany	21.1	23.4	33.6	46.6	57.5	66.7	71.4	69.2	61.2	50.5	39.3	26.5
	Buffalo	23.5	24.5	33.0	45.4	56.1	66.0	70.7	68.9	62.1	51.5	40.3	28.8
	New York[1]	31.8	33.4	41.4	52.4	62.5	71.4	76.7	75.4	68.3	57.7	47.2	36.2
NC	Charlotte	40.5	42.9	50.4	60.3	68.2	75.0	78.5	77.9	72.0	60.7	50.7	42.6
	Raleigh	39.6	41.6	49.3	59.5	67.2	73.9	77.7	77.0	71.0	59.7	50.0	42.0
ND	Bismarck	6.7	14.5	26.0	42.5	54.9	64.3	70.4	68.8	57.3	46.1	28.6	15.4
OH	Cincinnati	28.9	32.1	41.8	53.5	63.0	71.4	75.4	74.1	67.5	55.3	43.4	33.9
	Cleveland	25.5	27.4	36.6	48.1	58.2	67.6	71.6	70.4	64.1	53.2	41.8	31.1
	Columbus	27.1	29.8	40.0	51.4	61.4	70.2	73.8	72.4	65.8	53.9	42.1	32.1
OK	Oklahoma City	35.9	40.8	49.1	60.2	68.4	77.0	82.1	81.1	73.3	62.3	48.8	39.9
OR	Portland	38.9	43.2	45.9	50.4	56.7	62.5	67.7	67.3	62.7	54.3	45.5	40.9
PA	Philadelphia	31.2	33.1	41.8	52.9	62.8	71.6	76.5	75.3	68.2	56.5	45.8	35.5
	Pittsburgh	26.7	28.8	38.5	50.1	50.7	68.1	72.0	70.6	64.1	52.5	41.6	31.4
RI	Providence	28.2	29.3	37.4	47.9	57.6	66.8	72.5	71.1	63.5	53.2	43.4	32.3
SC	Columbia	44.7	47.1	54.5	63.8	71.5	77.7	81.0	80.2	74.8	63.4	53.9	46.7
SD	Sioux Falls	12.4	19.1	30.4	46.3	58.2	68.4	74.0	71.8	61.0	49.4	33.0	19.7
TN	Memphis	39.6	43.5	51.7	62.6	71.0	78.7	82.1	80.6	74.2	62.9	51.3	43.3
	Nashville	37.1	40.4	49.0	59.6	68.1	75.8	79.4	78.4	72.3	60.2	48.6	40.9
TX	Dallas-Fort Worth	44.0	48.5	56.1	65.9	73.7	82.0	86.3	85.5	78.6	67.9	55.6	47.8
	El Paso	44.2	48.4	55.1	63.6	71.9	80.8	82.5	80.3	74.1	63.6	51.4	44.4
	Houston	51.4	54.5	61.0	68.7	74.9	80.6	83.1	82.6	78.4	69.7	60.1	54.0
UT	Salt Lake City	28.6	34.1	40.7	49.2	58.8	68.3	77.5	74.9	65.0	53.0	39.7	30.3
VT	Burlington	16.6	18.1	29.2	42.7	55.2	64.9	69.6	67.1	58.8	47.9	36.6	22.6
VA	Norfolk	39.9	41.1	48.5	58.2	66.4	74.3	78.4	77.7	72.2	61.3	51.9	43.5
	Richmond	36.6	38.9	47.2	57.9	66.1	73.5	77.8	76.8	70.2	58.6	48.9	39.9
WA	Seattle-Tacoma	39.1	42.8	44.2	48.7	55.0	60.2	64.8	64.1	60.0	52.5	44.8	41.0
	Spokane	25.7	32.4	37.6	45.8	54.3	61.7	69.7	68.1	59.4	47.6	34.9	29.0
WV	Charleston	32.9	35.6	44.8	55.3	63.9	71.0	74.5	73.7	67.6	55.9	45.3	36.8
WI	Milwaukee	18.7	23.0	32.1	44.6	54.8	64.9	70.5	69.3	61.9	50.9	37.3	26.1
WY	Cheyenne	26.1	29.3	32.1	41.8	52.2	62.0	68.9	66.8	57.9	47.5	34.8	29.3
PR	San Juan	76.5	76.6	77.5	78.8	80.3	81.7	82.0	82.2	81.9	81.4	79.6	77.7

[1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States*, No. 81, Sept. 1982.

No. 360. Normal Daily Maximum Temperature—Selected Cities

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1951 through 1980]

TATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
L	Mobile	60.6	63.9	70.3	78.3	84.9	90.2	91.2	90.7	87.0	79.4	69.3	63.1	77.4
K	Juneau	27.4	33.7	37.4	46.8	54.7	61.1	64.0	62.6	55.9	47.0	37.5	31.5	46.6
Z	Phoenix	65.2	69.7	74.5	83.1	92.4	102.3	105.0	102.3	98.2	87.7	74.3	66.4	85.1
R	Little Rock	49.8	54.5	63.2	73.8	81.7	89.5	92.7	92.3	85.6	75.8	62.4	53.2	72.9
A	Los Angeles	64.6	65.5	65.1	66.7	69.1	72.0	75.3	76.5	76.4	74.0	70.3	66.1	70.1
	Sacramento	52.6	59.4	64.1	71.0	79.7	87.4	93.3	91.7	87.6	77.7	63.2	53.2	73.4
	San Diego	65.2	66.4	65.9	67.8	68.6	71.3	75.6	77.6	76.8	74.6	69.9	66.1	70.5
	San Francisco	55.5	59.0	60.6	63.0	66.3	69.6	71.0	71.8	73.4	70.0	62.7	56.3	64.9
O	Denver	43.1	46.9	51.2	61.0	70.7	81.6	88.0	85.8	77.5	66.8	52.4	46.1	64.3
T	Hartford	33.6	36.3	45.5	60.0	71.4	80.1	84.8	82.6	74.8	63.9	50.6	37.3	60.1
E	Wilmington	39.2	41.8	50.9	63.0	72.7	81.2	85.6	84.1	77.8	66.7	54.8	43.6	63.5
C	Washington	42.9	45.9	55.0	67.1	75.9	84.0	87.9	86.4	80.1	68.9	57.4	46.6	66.5
L	Jacksonville	64.6	66.8	73.3	79.7	85.2	88.9	90.7	90.2	86.9	79.7	72.4	66.3	78.7
	Miami	75.0	75.8	79.3	82.4	85.1	87.3	88.7	89.2	87.8	84.2	79.8	76.2	82.6
A	Atlanta	51.2	55.3	63.2	73.2	79.8	85.6	87.9	87.6	82.3	72.9	62.6	54.1	71.3
I	Honolulu	79.9	80.4	81.4	82.7	84.8	86.2	87.1	88.3	88.2	86.7	83.9	81.4	84.2
D	Boise	37.1	44.3	51.8	60.8	70.8	79.8	90.6	87.3	77.6	64.6	49.0	39.3	62.8
L	Chicago	29.2	33.9	44.3	58.8	70.0	79.4	83.3	82.1	75.5	64.1	48.2	35.0	58.7
	Peoria	29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
N	Indianapolis	34.2	38.5	49.3	63.1	73.4	82.3	85.2	83.7	77.9	66.1	50.8	39.2	62.0
A	Des Moines	27.0	33.2	44.2	61.0	72.6	81.8	86.2	84.0	75.7	65.0	47.6	33.7	59.3
S	Wichita	39.8	46.1	55.8	68.1	77.1	87.4	92.9	91.5	82.0	71.2	55.1	44.6	67.6
Y	Louisville	40.8	45.0	54.9	67.5	76.2	84.0	87.6	86.7	80.6	69.2	55.5	45.4	66.1
A	New Orleans	61.8	64.6	71.2	78.6	84.5	89.5	90.7	90.2	86.8	79.4	70.1	64.4	77.7
E	Portland	31.0	33.1	40.5	52.5	63.4	72.8	78.9	77.5	69.6	59.0	47.1	34.9	55.0
D	Baltimore	41.0	43.7	53.1	65.1	74.2	82.9	87.1	85.5	79.1	67.7	55.9	45.1	65.0
A	Boston	36.4	37.7	45.0	56.6	67.0	76.6	81.8	79.8	72.3	62.5	51.6	40.3	59.0
I	Detroit	30.6	33.5	43.4	57.7	69.4	79.0	83.1	81.5	74.4	62.5	47.6	35.4	58.2
	Sault Ste. Marie	21.2	23.1	32.3	47.1	61.0	70.1	75.1	73.4	64.2	53.6	39.0	26.6	43.9
N	Duluth	15.5	21.7	31.9	47.6	61.3	70.5	76.4	73.6	63.6	53.0	35.2	21.8	47.7
	Minneapolis-St. Paul	19.9	26.4	37.5	56.0	69.4	78.5	83.4	80.9	71.0	59.7	41.1	26.7	54.2
S	Jackson	56.5	60.9	68.4	77.3	84.1	90.5	92.5	92.1	87.6	78.6	67.5	60.0	76.3
O	Kansas City	34.5	41.1	51.3	65.1	74.6	83.3	88.5	86.8	78.6	67.9	52.1	40.1	63.7
	St. Louis	37.6	43.1	53.4	67.1	76.4	85.2	89.0	87.4	80.7	69.1	54.0	42.6	65.5
T	Great Falls	28.2	36.5	41.7	54.0	65.3	74.3	84.2	82.0	70.5	59.5	43.5	34.7	56.2
NE	Omaha	30.2	37.3	47.7	64.0	74.7	84.2	88.5	86.2	77.5	67.0	50.3	36.9	62.0
NV	Reno	44.8	51.1	55.8	63.3	72.3	81.8	91.3	88.7	81.4	70.0	55.6	46.2	66.9
NH	Concord	30.8	33.2	41.9	56.5	68.9	77.7	82.6	80.1	71.9	61.0	47.2	34.4	57.2
NJ	Atlantic City	40.6	42.4	50.3	61.6	71.0	79.6	84.0	82.5	76.7	66.1	55.4	45.0	62.9
NM	Albuquerque	47.2	52.9	60.7	70.6	79.9	90.6	92.8	89.4	83.0	71.7	57.2	48.0	70.3
NY	Albany	30.2	32.7	42.5	57.6	69.5	78.3	83.2	80.7	72.8	61.5	47.8	34.6	57.6
	Buffalo	30.0	31.4	40.4	54.4	65.9	75.6	80.2	78.2	71.4	60.2	47.0	35.0	55.8
	New York[1]	38.0	40.1	48.6	61.1	71.5	80.1	85.3	83.7	76.4	65.6	53.6	42.1	62.2
NC	Charlotte	50.3	53.6	61.6	72.1	79.1	85.2	88.3	87.6	81.7	71.7	61.7	52.6	70.5
	Raleigh	50.1	52.8	61.0	72.3	79.0	85.2	88.2	87.1	81.6	71.6	61.8	52.7	70.3
ND	Bismarck	17.5	25.2	36.4	54.2	67.7	76.8	84.4	83.3	71.4	59.3	39.4	25.9	53.5
OH	Cincinnati	37.3	41.2	51.5	64.5	74.2	82.3	85.8	84.8	78.7	66.7	52.6	41.9	63.5
	Cleveland	32.5	34.8	44.8	57.9	68.5	78.0	81.7	80.3	74.2	62.7	49.3	37.5	58.5
	Columbus	34.7	38.1	49.3	62.3	72.6	81.3	84.4	83.0	76.9	65.0	50.7	39.4	61.5
OK	Oklahoma City	46.6	52.2	61.0	71.7	79.0	87.6	93.5	92.8	84.7	74.3	59.9	50.7	71.2
OR	Portland	44.3	50.4	54.5	60.2	66.9	72.7	79.5	78.6	74.2	63.9	52.3	46.4	62.0
PA	Philadelphia	38.6	41.1	50.5	63.2	73.0	81.7	86.1	84.6	77.8	66.5	54.5	43.0	63.4
	Pittsburgh	34.1	36.8	47.6	60.7	70.8	79.1	82.7	81.1	74.8	62.9	49.8	38.4	59.9
RI	Providence	36.4	37.7	45.5	57.5	67.6	76.6	81.7	80.3	73.1	63.2	51.9	40.5	59.3
SC	Columbia	56.2	59.5	67.1	77.0	83.8	89.2	91.9	91.0	85.5	76.5	67.1	58.8	75.3
SD	Sioux Falls	22.9	29.3	40.1	58.1	70.5	80.3	86.2	83.9	73.5	62.1	43.7	29.3	56.7
TN	Memphis	48.3	53.0	61.4	72.9	81.0	88.4	91.5	90.3	84.3	74.5	61.4	52.3	71.6
	Nashville	46.3	50.7	59.6	71.2	79.2	86.7	89.8	89.0	83.2	72.3	59.2	50.4	69.8
TX	Dallas-Fort Worth	54.0	59.1	67.2	76.8	84.4	93.2	97.8	97.3	89.7	79.5	66.2	58.1	76.9
	El Paso	57.9	62.7	69.6	78.7	87.1	95.9	95.3	93.0	87.5	78.5	65.7	58.2	77.5
	Houston	61.9	65.7	72.1	79.0	85.1	90.9	93.6	93.1	88.7	81.9	71.6	65.2	79.1
UT	Salt Lake City	37.4	43.7	51.5	61.1	72.4	83.3	93.2	90.0	80.0	66.7	50.2	38.9	64.0
VT	Burlington	25.4	27.3	37.7	52.6	66.4	75.9	80.5	77.6	68.8	57.0	43.6	30.3	53.6
VA	Norfolk	48.1	49.9	57.5	68.2	75.7	83.2	86.9	85.7	80.2	69.8	60.8	51.9	68.2
	Richmond	46.7	49.6	58.5	70.6	77.9	84.8	88.4	87.1	81.0	70.5	60.5	50.2	68.8
WA	Seattle-Tacoma	43.9	48.8	51.1	56.8	64.0	69.2	75.2	73.9	68.7	59.5	50.3	45.6	58.9
	Spokane	31.3	39.0	46.2	56.7	66.1	74.0	84.0	81.7	72.4	58.3	41.4	34.2	57.1
WV	Charleston	41.8	45.4	55.4	67.3	76.0	82.5	85.2	84.2	78.7	67.7	55.6	45.9	65.5
WI	Milwaukee	26.0	30.1	39.2	53.5	64.8	75.0	79.8	78.4	71.2	59.9	44.7	32.0	54.6
WY	Cheyenne	37.3	40.7	43.6	54.0	64.6	75.4	83.1	80.8	72.1	61.0	46.5	40.4	56.3
PR	San Juan	82.7	83.2	84.2	85.2	86.7	88.0	87.9	88.2	88.2	87.9	85.7	83.6	86.0

[1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States*, No. 81, Sept. 1982.

No. 361. Normal Daily Minimum Temperature—Selected Cities

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1951 through 1980]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
AL	Mobile	40.9	43.2	49.8	57.7	64.8	70.8	73.2	72.9	69.3	57.5	47.9	42.8
AK	Juneau	16.1	21.9	25.0	31.3	38.1	44.2	47.4	46.6	42.3	36.5	26.0	22.1
AZ	Phoenix	39.4	42.5	46.7	53.0	61.5	70.6	79.5	77.5	70.9	58.1	46.9	40.2
AR	Little Rock	29.9	33.6	41.2	50.9	59.2	67.5	71.4	69.6	63.0	50.4	40.0	33.2
CA	Los Angeles	47.3	48.6	49.7	52.2	55.7	59.1	62.6	64.0	62.5	58.5	52.1	47.8
	Sacramento	37.9	41.2	42.4	45.3	50.1	55.1	57.9	57.6	55.8	50.0	42.8	37.9
	San Diego	48.4	50.3	52.1	54.5	58.2	61.2	64.9	66.8	65.1	60.3	53.6	48.7
	San Francisco	41.5	44.1	44.9	46.6	49.3	52.0	53.3	54.2	54.3	51.2	46.3	42.2
CO	Denver	15.9	20.2	24.7	33.7	43.6	52.4	58.7	57.0	47.7	36.9	25.1	18.9
CT	Hartford	16.7	18.8	28.0	37.6	47.3	57.0	61.9	60.0	51.7	40.9	32.5	20.9
DE	Wilmington	23.2	24.6	32.6	41.8	51.7	61.2	66.3	65.4	58.0	45.9	36.4	27.3
DC	Washington	27.5	29.0	36.6	46.2	56.1	65.0	69.9	68.7	62.0	49.7	39.9	31.2
FL	Jacksonville	41.7	43.3	49.3	55.7	63.0	69.1	71.8	71.8	69.4	59.2	49.2	43.2
	Miami	59.2	59.7	64.1	68.2	71.9	74.6	76.2	76.5	75.7	71.6	65.8	60.8
GA	Atlanta	32.6	34.5	41.7	50.4	58.7	65.9	69.2	68.7	63.6	51.4	41.3	34.8
HI	Honolulu	65.3	65.3	67.3	68.7	70.2	71.9	73.1	73.6	72.9	72.2	69.2	66.5
ID	Boise	22.6	27.9	30.9	36.4	44.0	51.8	58.5	56.7	48.7	39.1	30.5	24.8
IL	Chicago	13.6	18.1	27.6	38.8	48.1	57.7	62.7	61.7	53.9	42.9	31.4	20.3
	Peoria	13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2
IN	Indianapolis	17.8	21.1	30.7	41.7	51.5	60.9	64.9	62.7	55.3	43.4	32.8	23.7
IA	Des Moines	10.1	15.8	26.0	39.9	51.6	61.4	66.3	63.7	54.4	43.3	29.5	17.6
KS	Wichita	19.4	24.1	32.4	44.5	54.6	64.7	69.8	67.9	59.2	46.9	33.5	24.2
KY	Louisville	24.1	26.8	35.2	45.6	54.6	63.3	67.5	66.1	59.1	46.2	36.6	28.9
LA	New Orleans	43.0	44.8	51.6	58.8	65.3	70.9	73.5	73.1	70.1	59.0	49.9	44.8
ME	Portland	11.9	12.9	23.7	33.0	42.1	51.4	57.3	55.8	47.7	37.9	29.6	16.7
MD	Baltimore	24.3	25.7	33.4	42.9	52.5	61.5	66.5	65.7	58.6	46.1	36.6	27.9
MA	Boston	22.8	23.7	31.8	40.8	50.0	59.3	65.1	63.9	56.9	47.1	38.7	27.1
MI	Detroit	16.1	18.0	26.5	36.9	46.7	56.3	60.7	59.4	52.2	41.2	31.4	21.6
	Sault Ste. Marie	5.4	5.3	15.4	29.0	38.3	46.7	51.9	52.4	45.3	36.9	26.4	12.7
MN	Duluth	−2.9	2.2	13.9	28.9	39.3	48.2	54.3	52.6	44.3	35.4	21.2	5.6
	Minneapolis-St. Paul	2.4	8.5	20.8	36.0	47.6	57.7	62.7	60.3	50.2	39.4	25.3	11.7
MS	Jackson	34.9	37.2	44.2	52.9	60.8	67.9	71.3	70.2	65.1	51.4	42.3	37.1
MO	Kansas City	17.2	23.0	31.7	44.4	54.6	63.6	68.5	66.5	58.1	47.0	34.0	23.7
	St. Louis	19.9	24.5	33.0	45.1	54.7	64.3	68.8	66.6	58.6	46.7	35.1	25.7
MT	Great Falls	9.2	16.8	21.1	31.3	41.1	49.4	54.4	53.0	44.2	36.2	24.5	16.6
NE	Omaha	10.2	17.1	26.9	40.3	51.8	61.7	66.8	64.2	54.0	42.0	28.6	17.4
NV	Reno	19.5	23.5	25.4	29.4	36.9	43.0	47.7	45.2	38.9	30.5	23.8	18.9
NH	Concord	9.0	11.0	22.2	31.8	41.4	51.6	56.4	54.5	46.2	35.5	27.3	14.5
NJ	Atlantic City	22.9	23.9	31.6	40.4	49.9	58.8	64.8	63.5	56.4	44.8	35.8	26.6
NM	Albuquerque	22.3	25.9	31.7	39.5	48.6	58.4	64.7	62.8	54.9	43.1	30.7	23.2
NY	Albany	11.9	14.0	24.6	35.5	45.4	55.0	59.6	57.6	49.6	38.4	30.8	18.2
	Buffalo	17.0	17.5	25.6	36.3	46.3	56.4	61.2	59.6	52.7	42.7	33.6	22.5
	New York [1]	25.6	26.6	34.1	43.8	53.3	62.7	68.2	67.1	60.1	49.9	40.8	30.3
NC	Charlotte	30.7	32.1	39.1	48.4	57.2	64.7	68.7	68.2	62.3	49.6	39.7	32.6
	Raleigh	29.1	30.3	37.7	46.5	55.3	62.6	67.1	66.8	60.4	47.7	38.1	31.2
ND	Bismarck	−4.2	3.7	15.6	30.8	42.0	51.6	56.4	54.2	43.2	32.8	17.7	4.8
OH	Cincinnati	20.4	23.0	32.0	42.4	51.7	60.5	64.9	63.3	56.3	43.9	34.1	25.7
	Cleveland	18.5	19.9	28.4	38.3	47.9	57.2	61.4	60.5	54.0	43.6	34.3	24.6
	Columbus	19.4	21.5	30.6	40.5	50.2	59.0	63.2	61.7	54.6	42.8	33.5	24.7
OK	Oklahoma City	25.2	29.4	37.1	48.6	57.7	66.3	70.6	69.4	61.9	50.2	37.6	29.1
OR	Portland	33.5	36.0	37.4	40.6	46.4	52.2	55.8	55.8	51.1	44.6	38.6	35.4
PA	Philadelphia	23.8	25.0	33.1	42.6	52.5	61.5	66.8	66.0	58.6	46.5	37.1	28.0
	Pittsburgh	19.2	20.7	29.4	39.4	48.5	57.1	61.3	60.1	53.3	42.1	33.3	24.3
RI	Providence	20.0	20.9	29.2	38.3	47.6	57.0	63.3	61.9	53.8	43.1	34.8	24.1
SC	Columbia	33.2	34.6	41.9	50.5	59.1	66.1	70.1	69.4	63.9	50.3	40.6	34.7
SD	Sioux Falls	1.9	8.9	20.6	34.6	45.7	56.3	61.8	59.7	48.5	36.7	22.3	10.1
TN	Memphis	30.9	34.1	41.9	52.2	60.9	68.9	72.6	70.8	64.1	51.3	41.1	34.3
	Nashville	27.8	30.1	38.3	48.1	56.9	64.8	69.0	67.8	61.3	48.0	38.0	31.3
TX	Dallas-Fort Worth	33.9	37.8	44.9	55.0	62.9	70.8	74.7	73.7	67.5	56.3	44.9	37.4
	El Paso	30.4	34.1	40.5	48.5	56.6	65.7	69.6	67.5	60.6	48.7	37.0	30.6
	Houston	40.8	43.2	49.8	58.3	64.7	70.2	72.5	72.1	68.1	57.5	48.6	42.7
UT	Salt Lake City	19.7	24.4	29.9	37.2	45.2	53.3	61.8	59.7	50.0	39.3	29.2	21.6
VT	Burlington	7.7	8.8	20.8	32.7	44.0	54.0	58.6	56.6	48.7	38.7	29.6	14.9
VA	Norfolk	31.7	32.3	39.4	48.1	57.2	65.3	69.9	69.6	64.2	52.8	43.0	35.0
	Richmond	26.5	28.1	35.8	45.1	54.2	62.2	67.2	66.4	59.3	46.7	37.3	29.6
WA	Seattle-Tacoma	34.3	36.8	37.2	40.5	46.0	51.1	54.3	54.3	51.2	45.3	39.3	36.9
	Spokane	20.0	25.7	29.0	34.9	42.5	49.3	55.3	54.3	46.5	36.7	28.5	23.7
WV	Charleston	23.9	25.8	34.1	43.3	51.8	59.4	63.8	63.1	56.4	44.0	35.0	27.8
WI	Milwaukee	11.3	15.8	24.9	35.6	44.7	54.7	61.1	60.2	52.5	41.9	29.9	18.2
WY	Cheyenne	14.8	17.9	20.6	29.6	39.7	48.5	54.6	52.8	43.7	34.0	23.1	18.2
PR	San Juan	70.3	70.0	70.8	72.3	73.9	75.3	78.1	78.1	75.5	74.9	73.4	71.8

[1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States,* No. 81, Sept.

No. 362. Highest Temperature of Record—Selected Cities

[In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1987, except as noted]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	46	84	82	90	94	100	102	104	102	99	93	87	81	104
AK	Juneau [1]	43	57	55	59	71	82	86	90	83	72	61	56	54	90
AZ	Phoenix	50	88	92	98	104	113	117	118	116	118	107	93	88	118
AR	Little Rock	46	83	84	91	95	98	104	112	108	106	97	86	80	112
CA	Los Angeles	52	88	92	93	95	97	104	97	98	110	106	101	94	110
	Sacramento	37	70	76	86	93	105	115	114	108	108	101	87	72	115
	San Diego	47	88	88	93	92	96	101	95	98	111	107	97	88	111
	San Francisco	60	72	78	85	92	97	106	104	98	103	99	85	75	106
CO	Denver	53	73	76	84	85	96	104	104	101	97	88	79	75	104
CT	Hartford	33	65	73	87	96	97	100	102	101	99	91	81	74	102
DE	Wilmington	40	75	78	86	94	95	99	102	101	100	91	85	74	102
DC	Washington	46	79	82	89	95	97	101	103	101	101	94	86	75	103
FL	Jacksonville	46	85	88	91	95	100	103	105	102	100	96	88	84	105
	Miami	45	88	89	92	96	94	98	98	98	97	95	89	87	98
GA	Atlanta	39	79	79	85	93	95	101	105	102	98	95	84	77	105
HI	Honolulu	18	87	88	88	89	92	92	92	93	94	94	93	89	94
ID	Boise	48	63	70	81	92	98	109	111	110	102	91	73	65	111
IL	Chicago	29	61	71	88	91	93	99	102	98	99	91	78	71	102
	Peoria	48	66	72	86	92	93	100	103	102	100	90	81	71	103
IN	Indianapolis	48	71	74	85	89	93	102	104	100	100	90	81	74	104
IA	Des Moines	48	62	73	91	93	96	101	105	108	101	95	78	69	108
KS	Wichita	35	75	84	89	96	100	110	113	110	105	95	85	83	113
KY	Louisville	40	77	77	88	91	95	102	105	101	104	92	84	76	105
LA	New Orleans	41	83	85	89	92	96	100	101	102	101	92	87	84	102
ME	Portland	47	64	64	86	85	94	97	99	103	95	88	74	69	103
MD	Baltimore	37	75	79	87	94	98	100	102	105	100	92	83	77	105
MA	Boston	36	63	70	81	94	95	100	102	102	100	90	78	73	102
MI	Detroit	29	62	65	81	89	92	99	102	97	98	91	77	68	102
	Sault Ste. Marie	47	45	47	75	83	89	93	97	98	95	80	68	60	98
MN	Duluth	46	52	55	78	88	90	93	97	97	95	86	70	55	97
	Minneapolis-St. Paul	49	58	60	83	95	96	102	104	102	98	89	75	63	104
MS	Jackson	24	82	84	89	94	99	103	106	102	104	95	88	84	106
MO	Kansas City	15	86	76	86	93	92	105	107	109	98	92	82	70	109
	St. Louis	30	76	85	89	92	92	98	107	107	104	94	82	76	107
MT	Great Falls	50	62	68	78	89	93	99	105	106	98	91	76	69	106
NE	Omaha	51	69	78	89	93	99	105	114	110	104	96	80	72	114
NV	Reno	46	70	75	83	89	96	101	104	105	101	91	77	70	105
NH	Concord	46	68	66	85	95	97	98	102	101	98	90	80	68	102
NJ	Atlantic City	44	78	75	87	94	99	106	104	102	99	90	84	75	106
NM	Albuquerque	48	69	76	85	89	98	105	105	101	100	91	77	72	105
NY	Albany	41	62	67	86	92	94	99	100	99	100	89	82	71	100
	Buffalo	44	72	65	81	88	90	95	94	99	98	87	80	74	99
	New York [2]	119	72	75	86	96	99	101	106	104	102	94	84	72	106
NC	Charlotte	48	78	81	90	93	100	103	103	103	104	98	85	77	104
	Raleigh	43	79	84	92	95	97	104	105	101	104	98	88	79	105
ND	Bismarck	48	62	68	81	93	98	100	109	109	105	95	75	65	109
OH	Cincinnati	26	69	73	84	89	93	97	101	102	98	88	81	75	102
	Cleveland	46	73	69	83	88	92	101	103	102	101	90	82	77	103
	Columbus	48	74	73	85	89	94	102	100	101	100	90	80	76	102
OK	Oklahoma City	34	80	84	93	100	104	105	109	110	102	96	87	86	110
OR	Portland	47	63	70	80	87	100	100	107	107	101	92	73	64	107
PA	Philadelphia	46	74	74	87	94	96	100	104	101	100	96	81	72	104
	Pittsburgh	35	69	69	82	88	91	98	99	97	97	87	82	74	99
RI	Providence	34	66	72	78	98	94	98	100	104	100	88	78	70	104
SC	Columbia	40	84	84	91	94	101	107	107	107	101	101	90	83	107
SD	Sioux Falls	42	66	70	87	94	100	101	108	108	104	94	78	61	108
TN	Memphis	46	78	81	85	94	99	104	108	105	103	95	85	81	108
	Nashville	48	78	84	86	90	97	106	107	104	105	94	84	79	107
TX	Dallas-Fort Worth	34	88	88	96	95	103	113	110	108	106	102	89	88	113
	El Paso	48	80	83	88	98	104	111	112	108	104	96	87	80	112
	Houston	18	84	91	90	95	95	103	104	107	102	94	89	83	107
UT	Salt Lake City	59	62	69	78	85	93	104	107	104	100	89	75	67	107
VT	Burlington	44	63	62	84	91	93	96	99	101	94	85	75	65	101
VA	Norfolk	39	78	81	88	97	97	101	103	104	99	95	86	80	104
	Richmond	56	80	83	93	96	100	104	105	102	103	99	86	80	105
WA	Seattle	43	64	70	75	85	93	96	98	99	94	89	74	63	99
	Spokane	40	59	61	71	90	96	100	103	108	98	86	67	56	108
WV	Charleston	40	79	78	87	92	93	98	102	100	102	92	85	80	102
WI	Milwaukee	47	62	65	82	91	92	101	101	100	98	89	77	63	101
WY	Cheyenne	52	66	71	74	82	90	100	100	96	93	83	73	69	100
PR	San Juan	33	92	96	96	97	96	97	95	97	97	98	96	91	98

[1] For period of record through 1986. [2] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

No. 363. Lowest Temperature of Record—Selected Cities

[In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1987, except as noted]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
AL	Mobile	46	3	11	21	32	43	49	60	59	42	32	22	8
AK	Juneau [1]	43	−22	−22	−15	6	25	31	36	27	23	11	−5	−21
AZ	Phoenix	50	17	22	25	32	40	50	61	60	47	34	25	22
AR	Little Rock	46	−4	−5	11	28	40	46	54	52	37	30	17	−1
CA	Los Angeles	52	23	32	34	39	43	48	49	51	47	41	34	32
	Sacramento	37	23	26	26	32	36	41	48	49	43	36	26	20
	San Diego	47	29	36	39	41	48	51	55	57	51	43	38	34
	San Francisco	60	24	25	30	31	36	41	43	42	38	34	25	20
CO	Denver	53	−25	−30	−11	−2	22	30	43	41	17	3	−8	−21
CT	Hartford	33	−26	−21	−6	9	28	37	44	36	30	17	9	−14
DE	Wilmington	40	−14	−6	2	18	30	41	50	43	36	24	14	−7
DC	Washington	46	−5	4	11	24	34	47	55	49	39	29	16	1
FL	Jacksonville	46	7	19	23	34	45	47	61	63	48	36	21	11
	Miami	45	30	32	32	46	53	60	69	68	68	51	39	33
GA	Atlanta	39	−8	5	10	26	37	46	53	55	36	28	3	0
HI	Honolulu	18	53	53	55	57	60	65	67	67	66	64	58	54
ID	Boise	48	−17	−12	6	19	22	31	35	37	23	11	−3	−23
IL	Chicago	29	−27	−17	−8	7	24	36	40	41	28	17	1	−25
	Peoria	46	−25	−18	−10	14	25	39	47	41	26	19	−2	−18
IN	Indianapolis	48	−22	−21	−7	16	28	39	44	41	28	17	−2	−17
IA	Des Moines	48	−24	−20	−22	9	30	38	47	40	26	14	−3	−19
KS	Wichita	35	−12	−21	−2	15	31	43	51	48	31	21	1	−10
KY	Louisville	40	−20	−19	−1	22	31	42	50	46	33	23	−1	−9
LA	New Orleans	41	14	19	25	32	41	50	60	60	42	35	24	14
ME	Portland	47	−26	−39	−21	8	23	33	40	33	23	15	5	−21
MD	Baltimore	37	−7	−3	6	20	32	40	51	45	35	25	13	0
MA	Boston	36	−12	−4	6	16	34	45	54	47	38	28	16	−7
MI	Detroit	29	−21	−15	−4	10	25	36	41	38	29	17	9	−10
	Sault Ste. Marie	47	−36	−35	−24	−2	18	26	36	29	25	16	−10	−25
MN	Duluth	46	−39	−32	−28	−5	17	27	36	32	22	8	−23	−34
	Minneapolis-St. Paul	49	−34	−28	−32	2	18	34	43	39	26	15	−17	−29
MS	Jackson	24	2	11	15	27	38	47	51	55	35	30	17	7
MO	Kansas City	15	−17	−19	−10	12	30	43	52	43	33	21	1	−21
	St. Louis	30	−18	−10	−5	22	31	43	51	47	36	23	1	−13
MT	Great Falls	50	−37	−35	−29	−6	15	31	40	35	21	−9	−25	−43
NE	Omaha	51	−23	−21	−16	5	27	38	44	43	25	13	−9	−21
NV	Reno	46	−16	−12	−2	13	18	25	33	24	20	8	1	−16
NH	Concord	46	−33	−37	−16	8	21	30	35	29	21	10	−1	−22
NJ	Atlantic City	44	−10	−11	5	12	25	37	46	40	32	23	11	−7
NM	Albuquerque	48	−17	−5	8	19	28	40	52	52	37	25	−7	3
NY	Albany	41	−28	−21	−21	10	26	36	40	34	24	16	5	−22
	Buffalo	44	−16	−20	−7	12	26	35	43	38	32	20	9	−10
	New York [2]	119	−6	−15	3	12	32	44	52	50	39	28	5	−13
NC	Charlotte	46	−5	5	4	24	32	45	53	53	39	24	11	2
	Raleigh	43	−9	5	11	23	31	38	48	46	37	19	11	4
ND	Bismarck	48	−44	−39	−31	−12	15	30	35	33	11	5	−30	−43
OH	Cincinnati	26	−25	−11	−11	17	27	39	47	43	33	16	1	−12
	Cleveland	46	−19	−15	−5	10	25	31	41	38	32	22	3	−11
	Columbus	48	−19	−13	−6	14	25	35	43	39	31	20	5	−12
OK	Oklahoma City	34	−4	−3	3	20	37	47	53	51	37	22	11	−3
OR	Portland	47	−2	−3	19	29	29	39	43	44	34	26	13	6
PA	Philadelphia	46	−7	−4	7	19	28	44	51	44	35	25	15	1
	Pittsburgh	35	−18	−12	−1	14	26	34	42	39	31	16	−1	−12
RI	Providence	34	−13	−7	1	14	29	41	49	40	33	20	14	−10
SC	Columbia	40	−1	5	4	26	34	44	54	53	40	23	12	4
SD	Sioux Falls	42	−36	−31	−23	5	17	33	38	34	22	9	−17	−28
TN	Memphis	46	−4	−11	12	29	38	48	52	48	36	25	9	−13
	Nashville	48	−17	−13	2	23	34	42	51	47	36	26	−1	−7
TX	Dallas-Fort Worth	34	4	7	15	30	41	51	59	56	43	29	20	5
	El Paso	48	−8	8	14	23	31	46	57	56	41	25	1	5
	Houston	18	12	20	22	31	44	52	62	62	48	33	19	11
UT	Salt Lake City	59	−22	−30	2	14	25	35	40	37	27	16	−14	−21
VT	Burlington	44	−30	−30	−20	2	24	33	39	35	25	15	−2	−26
VA	Norfolk	39	−3	8	18	28	36	45	54	49	45	27	20	7
	Richmond	58	−12	−10	11	23	31	40	51	46	35	21	10	−1
WA	Seattle	43	0	1	11	29	28	38	43	44	35	28	6	6
	Spokane	40	−22	−17	−3	17	24	33	37	35	24	11	−21	−25
WV	Charleston	40	−15	−6	0	19	26	33	46	41	34	17	6	−10
WI	Milwaukee	47	−26	−19	−10	12	21	33	40	44	28	18	−5	−20
WY	Cheyenne	52	−29	−34	−21	−8	16	25	38	36	8	2	−14	−28
PR	San Juan	33	61	62	60	64	66	69	69	70	69	67	66	63

[1] For period of record through 1986. [2] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

No. 364. Normal Monthly and Annual Precipitation—Selected Cities

[In inches. Airport data except as noted. Based on standard 30-year period, 1951 through 1980. See *Historical Statistics, Colonial Times to 1970*, series J 164–267, for related data]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	4.59	4.91	6.48	5.35	5.46	5.07	7.74	6.75	6.56	2.62	3.67	5.44	64.64
AK	Juneau	3.69	3.74	3.34	2.92	3.41	2.98	4.13	5.02	6.40	7.71	5.15	4.66	53.15
AZ	Phoenix	.73	.59	.81	.27	.14	.17	.74	1.02	.64	.63	.54	.83	7.11
AR	Little Rock	3.91	3.83	4.69	5.41	5.29	3.67	3.63	3.07	4.26	2.84	4.37	4.23	49.20
CA	Los Angeles	3.06	2.49	1.76	.93	.14	.04	.01	.10	.15	.26	1.52	1.62	12.08
	Sacramento	4.03	2.88	2.06	1.31	.33	.11	.05	.07	.27	.86	2.23	2.90	17.10
	San Diego	2.11	1.43	1.60	.78	.24	.06	.01	.11	.19	.33	1.10	1.36	9.32
	San Francisco	4.65	3.23	2.64	1.53	.32	.11	.03	.05	.19	1.06	2.35	3.55	19.71
CO	Denver	.51	.69	1.21	1.81	2.47	1.58	1.93	1.53	1.23	.98	.82	.55	15.31
CT	Hartford	3.53	3.19	4.15	4.02	3.37	3.38	3.09	4.00	3.94	3.51	4.05	4.16	44.39
DE	Wilmington	3.11	2.99	3.87	3.39	3.23	3.51	3.90	4.03	3.59	2.89	3.33	3.54	41.38
DC	Washington	2.76	2.62	3.46	2.93	3.48	3.35	3.88	4.40	3.22	2.90	2.82	3.18	39.00
FL	Jacksonville	3.07	3.48	3.72	3.32	4.91	5.37	6.54	7.15	7.26	3.41	1.94	2.59	52.76
	Miami	2.08	2.05	1.89	3.07	6.53	9.15	5.98	7.02	8.07	7.14	2.71	1.86	57.55
GA	Atlanta	4.91	4.43	5.91	4.43	4.02	3.41	4.73	3.41	3.17	2.53	3.43	4.23	48.61
HI	Honolulu	3.79	2.72	3.48	1.49	1.21	.49	.54	.60	.62	1.88	3.22	3.43	23.47
ID	Boise	1.64	1.07	1.03	1.19	1.21	.95	.26	.40	.58	.75	1.29	1.34	11.71
IL	Chicago	1.60	1.31	2.59	3.66	3.15	4.08	3.63	3.53	3.35	2.28	2.06	2.10	33.34
	Peoria	1.60	1.41	2.86	3.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
IN	Indianapolis	2.65	2.46	3.61	3.68	3.66	3.99	4.32	3.46	2.74	2.51	3.04	3.00	39.12
IA	Des Moines	1.01	1.12	2.20	3.21	3.96	4.18	3.22	4.11	3.09	2.16	1.52	1.05	30.83
KS	Wichita	.68	.85	2.01	2.30	3.91	4.06	3.62	2.80	3.45	2.47	1.47	.99	28.61
KY	Louisville	3.38	3.23	4.73	4.11	4.15	3.60	4.10	3.31	3.35	2.63	3.49	3.48	43.56
LA	New Orleans	4.97	5.23	4.73	4.50	5.07	4.63	6.73	6.02	5.87	2.66	4.06	5.27	59.74
ME	Portland	3.78	3.57	3.98	3.90	3.27	3.06	2.83	2.82	3.27	3.83	4.70	4.51	43.52
MD	Baltimore	3.00	2.98	3.72	3.35	3.44	3.76	3.89	4.62	3.46	3.11	3.11	3.40	41.84
MA	Boston	3.99	3.70	4.13	3.73	3.52	2.92	2.68	3.68	3.41	3.36	4.21	4.48	43.81
MI	Detroit	1.86	1.69	2.54	3.15	2.77	3.43	3.10	3.21	2.25	2.12	2.33	2.52	30.97
	Sault Ste. Marie	2.20	1.69	2.03	2.38	2.90	3.26	3.00	3.46	3.90	2.89	3.20	2.57	33.48
MN	Duluth	1.20	.90	1.78	2.16	3.15	3.96	3.96	4.12	3.26	2.21	1.69	1.29	29.68
	Minneapolis-St. Paul	.82	.85	1.71	2.05	3.20	4.07	3.51	3.64	2.50	1.85	1.29	.87	26.36
MS	Jackson	5.00	4.48	5.86	5.85	4.83	2.94	4.40	3.71	3.55	2.62	4.18	5.40	52.82
MO	Kansas City	1.08	1.19	2.41	3.23	4.42	4.66	4.35	3.57	4.14	3.10	1.63	1.38	35.16
	St. Louis	1.72	2.14	3.28	3.55	3.54	3.73	3.63	2.55	2.70	2.32	2.53	2.22	33.91
MT	Great Falls	1.00	.75	.93	1.49	2.52	2.75	1.10	1.31	1.03	.82	.74	.80	15.24
NE	Omaha	.77	.91	1.91	2.94	4.33	4.08	3.62	4.10	3.50	2.09	1.32	.77	30.34
NV	Reno	1.24	.95	.74	.46	.74	.34	.30	.27	.30	.34	.60	1.21	7.49
NH	Concord	2.78	2.47	2.93	3.01	2.93	2.91	2.93	3.26	3.12	3.10	3.66	3.43	36.53
NJ	Atlantic City	3.47	3.34	4.04	3.20	3.07	2.78	4.02	4.72	2.89	3.06	3.73	3.61	41.93
NM	Albuquerque	.41	.40	.52	.40	.46	.51	1.30	1.51	.85	.86	.38	.52	8.12
NY	Albany	2.39	2.26	3.01	2.94	3.31	3.29	3.00	3.34	3.23	2.93	3.04	3.00	35.74
	Buffalo	3.02	2.40	2.97	3.06	2.89	2.72	2.96	4.16	3.37	2.93	3.62	3.42	37.52
	New York [1]	3.21	3.13	4.22	3.75	3.76	3.23	3.77	4.03	3.66	3.41	4.14	3.81	44.12
NC	Charlotte	3.80	3.81	4.63	3.27	3.64	3.57	3.92	3.75	3.59	2.72	2.86	3.40	43.16
	Raleigh	3.55	3.43	3.69	2.91	3.67	3.66	4.38	4.44	3.29	2.73	2.87	3.14	41.76
ND	Bismarck	.51	.45	.70	1.51	2.23	3.01	2.05	1.69	1.38	.81	.51	.51	15.36
OH	Cincinnati	3.13	2.73	3.95	3.56	3.84	4.09	4.28	2.97	2.91	2.54	3.12	3.00	40.14
	Cleveland	2.47	2.20	2.99	3.32	3.30	3.49	3.37	3.38	2.92	2.45	2.76	2.75	35.40
	Columbus	2.75	2.18	3.23	3.41	3.76	4.01	4.01	3.70	2.76	1.91	2.64	2.61	36.97
OK	Oklahoma City	.96	1.29	2.07	2.91	5.50	3.87	3.04	2.40	3.41	2.71	1.53	1.20	30.89
OR	Portland	6.16	3.93	3.61	2.31	2.08	1.47	.46	1.13	1.61	3.05	5.17	6.41	37.39
PA	Philadelphia	3.18	2.81	3.86	3.47	3.18	3.92	3.88	4.10	3.42	2.83	3.32	3.45	41.42
	Pittsburgh	2.86	2.40	3.58	3.28	3.54	3.30	3.83	3.31	2.80	2.49	2.34	2.57	36.30
RI	Providence	4.06	3.72	4.29	3.95	3.48	2.79	3.01	4.04	3.54	3.75	4.22	4.47	45.32
SC	Columbia	4.38	3.99	5.16	3.59	3.85	4.45	5.35	5.56	4.23	2.55	2.51	3.50	49.12
SD	Sioux Falls	.50	.93	1.58	2.36	3.21	3.70	2.71	3.13	2.79	1.57	.92	.72	24.12
TN	Memphis	4.61	4.33	5.44	5.77	5.06	3.58	4.03	3.74	3.62	2.37	4.17	4.85	51.57
	Nashville	4.49	4.03	5.58	4.47	4.56	3.70	3.82	3.40	3.71	2.58	3.52	4.63	48.49
TX	Dallas-Fort Worth	1.65	1.93	2.42	3.63	4.27	2.59	2.00	1.76	3.31	2.47	1.76	1.67	29.46
	El Paso	.38	.45	.32	.19	.24	.56	1.60	1.21	1.42	.73	.33	.39	7.82
	Houston	3.21	3.25	2.68	4.24	4.69	4.06	3.33	3.66	4.93	3.67	3.38	3.66	44.76
UT	Salt Lake City	1.35	1.33	1.72	2.21	1.47	.97	.72	.92	.89	1.14	1.22	1.37	15.31
VT	Burlington	1.85	1.73	2.20	2.77	2.96	3.64	3.43	3.87	3.20	2.81	2.80	2.43	33.69
VA	Norfolk	3.72	3.28	3.86	2.87	3.75	3.45	5.15	5.33	4.35	3.41	2.88	3.17	45.22
	Richmond	3.23	3.13	3.57	2.90	3.55	3.60	5.14	5.01	3.52	3.74	3.29	3.39	44.07
WA	Seattle-Tacoma	6.04	4.22	3.59	2.40	1.58	1.38	.74	1.27	2.02	3.43	5.60	6.33	38.60
	Spokane	2.47	1.61	1.36	1.08	1.38	1.23	.50	.74	.71	1.08	2.06	2.49	16.71
WV	Charleston	3.48	3.11	4.00	3.52	3.68	3.32	5.36	4.15	3.01	2.63	2.90	3.27	42.43
WI	Milwaukee	1.64	1.33	2.58	3.37	2.66	3.59	3.54	3.09	2.88	2.25	1.98	2.03	30.94
WY	Cheyenne	.41	.40	.97	1.24	2.39	2.00	1.87	1.39	1.06	.66	.53	.37	13.31
PR	San Juan	3.01	2.02	2.31	3.62	5.64	4.66	4.87	5.93	5.99	5.89	5.59	4.46	53.99

[1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States*, No. 81, Sept. 1982.

NO. 365. AVERAGE NUMBER OF DAYS WITH PRECIPITATION OF .01 INCH OR MORE—SELECTED CITIE

[Airport data, except as noted. For period of record through 1987, except as noted. Annual data may not equal the sum of th monthly values due to rounding]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	46	11	10	11	7	8	11	16	14	10	6	8	10	123
AK	Juneau[1]	43	18	17	18	17	17	16	17	18	20	24	19	21	220
AZ	Phoenix	48	4	4	4	2	1	1	4	5	3	3	3	4	36
AR	Little Rock	45	9	9	10	10	10	8	8	7	7	7	8	9	103
CA	Los Angeles	52	6	6	6	3	1	1	1	(Z)	1	2	4	6	36
	Sacramento	48	10	9	9	5	3	1	(Z)	(Z)	1	3	7	9	58
	San Diego	47	7	6	7	5	2	1	(Z)	1	1	3	5	6	43
	San Francisco	60	11	10	10	6	3	1	(Z)	(Z)	1	4	7	10	62
CO	Denver	53	6	6	9	9	11	9	9	9	6	5	5	5	89
CT	Hartford	33	11	10	11	11	12	11	10	10	9	8	11	12	127
DE	Wilmington	40	11	10	11	11	11	10	9	9	8	8	10	10	117
DC	Washington	46	10	9	11	10	11	10	10	9	8	7	8	9	111
FL	Jacksonville	46	8	8	8	6	8	12	15	14	13	9	6	8	116
	Miami	45	6	6	6	6	10	15	16	17	17	14	9	7	129
GA	Atlanta	53	11	10	11	9	9	10	12	9	8	6	8	10	115
HI	Honolulu	38	10	9	9	9	7	6	8	6	7	9	9	10	100
ID	Boise	48	12	10	10	8	8	6	2	3	4	6	10	11	91
IL	Chicago	29	11	10	12	12	11	10	10	9	10	9	10	12	127
	Peoria	46	9	8	11	12	11	10	9	8	9	8	9	10	114
IN	Indianapolis	48	12	10	13	12	12	10	9	9	8	8	10	12	125
IA	Des Moines	46	7	7	10	11	11	11	9	9	9	8	7	8	107
KS	Wichita	34	8	5	8	8	11	9	7	8	8	6	5	5	88
KY	Louisville	40	11	11	13	12	12	10	11	8	8	8	10	11	125
LA	New Orleans	39	10	9	9	7	8	11	15	13	10	6	7	10	114
ME	Portland	47	11	10	11	12	13	11	10	9	8	9	12	12	128
MD	Baltimore	37	10	9	11	11	11	9	9	10	7	7	9	9	113
MA	Boston	36	12	10	12	11	12	11	9	10	9	9	11	12	128
MI	Detroit	29	13	11	13	12	11	11	9	9	10	9	12	14	135
	Sault Ste. Marie	46	19	15	13	11	11	12	10	11	13	13	17	20	165
MN	Duluth	46	12	10	11	10	12	13	11	11	12	10	11	12	134
	Minneapolis-St. Paul	49	9	7	10	10	11	12	10	10	10	8	8	9	115
MS	Jackson	24	11	9	10	8	10	8	10	10	8	6	8	10	109
MO	Kansas City	15	7	7	11	11	11	11	7	9	8	8	8	8	107
	St. Louis	30	8	8	11	11	11	10	8	8	8	8	10	9	111
MT	Great Falls	50	9	8	9	9	12	12	7	8	7	6	7	8	101
NE	Omaha	51	6	7	9	10	12	11	9	9	9	7	5	6	98
NV	Reno	45	6	6	6	4	4	3	2	2	2	3	5	6	51
NH	Concord	46	11	10	11	12	12	11	10	10	9	9	11	11	125
NJ	Atlantic City	44	11	10	11	11	10	9	9	9	8	7	9	10	112
NM	Albuquerque	48	4	4	5	3	4	4	9	9	6	5	3	4	61
NY	Albany	41	12	10	12	12	13	11	10	10	10	9	12	12	134
	Buffalo	44	20	17	16	14	12	10	10	11	11	12	16	20	169
	New York[2]	118	11	10	11	11	11	10	10	10	8	8	9	10	121
NC	Charlotte	48	10	10	11	9	10	10	11	9	7	7	8	10	111
	Raleigh	43	10	10	10	9	10	9	11	10	8	7	8	9	111
ND	Bismarck	48	8	7	8	8	10	12	9	9	7	6	6	8	97
OH	Cincinnati	40	12	11	13	13	11	11	10	9	8	8	11	12	129
	Cleveland	46	16	14	15	14	13	11	10	10	10	11	14	16	155
	Columbus	48	13	12	14	13	13	11	11	9	8	9	11	13	137
OK	Oklahoma City	48	5	6	7	8	10	9	6	6	7	6	5	5	82
OR	Portland	47	18	16	17	14	12	9	4	5	8	13	18	19	152
PA	Philadelphia	47	11	9	11	11	11	10	9	9	8	8	9	10	117
	Pittsburgh	35	16	14	16	14	12	12	11	10	9	11	13	17	154
RI	Providence	34	11	10	12	11	11	11	9	10	8	8	11	12	124
SC	Columbia	40	10	10	11	8	9	9	12	11	8	6	7	9	109
SD	Sioux Falls	42	6	6	9	9	10	11	9	9	8	6	6	8	97
TN	Memphis	37	10	9	11	10	9	8	9	8	7	6	9	10	106
	Nashville	46	11	11	12	11	11	9	10	9	8	7	10	11	119
TX	Dallas-Fort Worth	34	7	7	7	8	9	6	5	5	7	6	6	6	78
	El Paso	48	4	3	2	2	2	4	8	8	5	4	3	4	48
	Houston	18	10	8	9	7	9	9	9	10	10	8	9	9	106
UT	Salt Lake City	59	10	9	10	9	8	5	5	6	5	6	8	9	91
VT	Burlington	44	14	12	13	12	14	13	12	12	12	12	14	15	154
VA	Norfolk	39	10	10	11	10	10	9	11	10	8	8	8	9	114
	Richmond	50	10	9	11	9	11	9	11	10	8	7	8	9	113
WA	Seattle	43	19	16	17	14	10	9	5	6	9	13	18	20	156
	Spokane	40	14	12	11	9	9	8	4	5	6	8	12	15	113
WV	Charleston	40	16	14	15	14	13	11	13	11	9	10	12	14	151
WI	Milwaukee	47	11	10	12	12	12	11	10	9	9	9	10	11	125
WY	Cheyenne	52	6	6	9	10	12	11	11	10	7	6	6	5	99
PR	San Juan	32	16	13	12	13	17	16	19	18	17	17	18	19	196

Z Less than ½ day. [1] For period of record through 1986. [2] For period of record through 1984. City office da

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

No. 366. Snow and Ice Pellets

[In inches. Airport data, except as noted. For period of record through 1987. T denotes trace]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	46	.1	.1	-	T	-	-	-	-	-	-	T	.1	.3
AK	Juneau	43	25.8	19.0	16.3	4.0	-	T	-	-	T	1.1	11.1	22.6	99.9
AZ	Phoenix	50	T	-	T	T	-	-	-	-	-	-	-	-	T
AR	Little Rock	45	2.3	1.5	.8	T	-	-	-	-	-	-	.2	.7	5.3
CA	Los Angeles	52	T	T	-	-	-	-	-	-	-	-	-	T	T
	Sacramento	39	T	.1	T	-	-	-	-	-	-	-	-	T	.1
	San Diego	47	T	-	T	-	-	-	-	-	-	-	T	T	T
	San Francisco	60	-	T	T	-	-	-	-	-	-	-	-	-	T
CO	Denver	53	7.8	7.5	12.8	9.3	1.8	-	-	-	1.7	3.7	8.4	7.3	60.3
CT	Hartford	33	12.4	11.7	10.0	1.7	-	-	-	-	-	.1	2.1	10.8	48.8
DE	Wilmington	40	6.9	6.5	3.4	.2	T	-	-	-	-	.1	.9	3.3	21.3
DC	Washington	44	5.5	5.8	2.1	-	T	-	-	-	-	-	.9	3.1	17.4
FL	Jacksonville	48	T	-	-	-	-	-	-	-	-	-	-	T	T
	Miami	45	-	-	-	-	-	-	-	-	-	-	-	-	-
GA	Atlanta	53	.8	.5	.4	T	-	-	-	-	-	-	-	.2	1.9
HI	Honolulu	41	-	-	-	-	-	-	-	-	-	-	-	-	-
ID	Boise	48	6.9	3.7	1.8	.7	.1	T	T	-	-	.1	2.3	5.8	21.4
IL	Chicago	29	11.4	7.8	7.1	1.9	.1	-	-	-	T	.3	2.1	9.1	39.8
	Peoria	44	6.8	5.1	4.3	.9	-	-	-	-	-	-	2.1	6.0	25.2
IN	Indianapolis	56	6.3	5.9	3.5	.5	T	-	-	-	-	-	1.9	4.8	22.9
IA	Des Moines	48	8.4	7.1	6.8	2.1	-	-	-	-	T	.3	2.8	6.9	34.4
KS	Wichita	34	4.8	4.6	2.5	.3	-	-	-	-	-	-	1.3	3.5	17.0
KY	Louisville	40	5.7	4.6	3.5	.2	-	-	-	-	-	T	1.2	2.1	17.3
LA	New Orleans	41	-	.1	T	-	-	-	-	-	-	-	T	.1	.2
ME	Portland	47	19.7	17.3	12.9	2.9	.2	-	-	-	T	.2	3.2	15.1	71.5
MD	Baltimore	37	8.1	7.2	3.9	.1	T	-	-	-	-	-	1.1	3.5	21.9
MA	Boston	52	12.5	11.4	7.6	1.0	-	-	-	-	-	-	1.4	7.6	41.5
MI	Detroit	29	10.4	8.7	7.0	1.8	T	-	-	-	-	.1	3.3	10.7	42.0
	Sault Ste. Marie	46	28.3	19.1	14.9	5.3	.8	T	-	T	.1	2.2	14.8	29.6	114.9
MN	Duluth	44	16.8	11.5	13.7	6.4	.8	-	-	T	-	1.3	10.9	15.4	76.8
	Minneapolis-St. Paul	49	9.9	8.3	11.0	3.0	.1	-	-	-	-	.4	6.9	9.5	49.1
MS	Jackson	24	.6	.2	.2	-	-	-	-	-	-	-	-	-	1.0
MO	Kansas City	53	5.9	4.3	3.7	.8	T	-	-	-	-	-	1.0	4.6	20.3
	St. Louis	51	5.6	4.4	4.2	.4	T	-	-	-	-	T	1.4	3.7	19.7
MT	Great Falls	50	9.8	8.4	10.1	7.2	1.6	.3	T	T	1.5	3.2	7.5	8.7	58.3
NE	Omaha	52	7.6	6.8	6.7	.9	.1	-	-	-	T	.3	2.5	5.6	30.5
NV	Reno	45	5.9	4.8	4.8	1.4	.9	-	-	-	-	.4	2.3	4.3	24.8
NH	Concord	46	18.2	14.5	10.9	2.4	.1	-	-	-	-	.1	4.1	14.0	64.3
NJ	Atlantic City	43	5.5	5.6	2.7	.3	T	-	-	-	-	T	.3	2.2	16.6
NM	Albuquerque	48	2.6	2.2	1.8	.6	-	-	-	-	T	.1	1.1	2.5	10.9
NY	Albany	41	16.6	14.0	11.3	3.0	.1	-	-	-	-	.2	4.6	15.7	65.5
	Buffalo	44	24.8	17.7	11.5	3.1	.1	T	-	-	T	.2	12.0	22.9	92.3
	New York [1]	119	7.6	8.7	5.0	.9	T	-	-	-	-	-	.9	5.5	28.6
NC	Charlotte	48	2.0	1.8	1.4	-	-	-	-	-	-	-	.1	.5	5.8
	Raleigh	43	2.4	2.6	1.5	-	-	-	-	-	-	-	.2	.8	7.5
ND	Bismarck	46	7.1	6.7	8.4	3.9	.8	T	-	-	.3	1.3	5.9	6.6	41.0
OH	Cincinnati	40	7.3	5.5	4.4	.5	T	-	-	-	-	-	2.2	3.7	23.6
	Cleveland	46	12.6	11.5	10.2	2.3	.1	-	-	-	T	.7	5.1	11.6	54.1
	Columbus	40	8.6	6.3	4.5	1.0	T	-	-	-	T	-	2.5	5.8	28.5
OK	Oklahoma City	48	3.0	2.7	1.4	-	-	-	-	-	-	T	.5	1.7	9.3
OR	Portland	47	3.6	.8	.4	T	-	T	-	-	T	-	.5	1.5	6.8
PA	Philadelphia	45	6.6	6.9	3.8	.3	T	-	-	-	-	-	.6	3.6	21.8
	Pittsburgh	35	12.1	9.8	8.3	1.8	.1	-	-	-	-	.2	3.6	8.3	44.2
RI	Providence	34	9.9	9.9	7.6	.7	.2	-	-	-	-	.1	.9	7.0	36.3
SC	Columbia	40	.4	.8	.3	-	-	-	-	-	-	-	T	.3	1.8
SD	Sioux Falls	42	8.5	8.0	9.9	2.1	-	-	-	-	-	.5	5.1	7.6	39.7
TN	Memphis	37	2.5	1.5	.9	T	-	-	-	-	-	-	.1	.7	5.7
	Nashville	46	4.1	3.2	1.5	-	-	-	-	-	-	-	.5	1.6	10.9
TX	Dallas-Ft. Worth	34	1.4	1.0	.2	-	-	-	-	-	-	-	.1	.3	3.0
	El Paso	48	1.4	.8	.4	.4	-	-	-	-	-	-	1.0	1.8	5.8
	Houston	53	.2	.2	-	-	-	-	-	-	-	-	T	T	.4
UT	Salt Lake City	59	13.1	9.4	10.0	5.2	.6	T	-	-	.1	1.3	6.4	12.1	58.2
VT	Burlington	44	19.3	16.4	12.2	3.7	.2	-	-	-	T	.2	6.9	19.0	77.9
VA	Norfolk	39	2.9	2.6	1.1	-	-	-	-	-	-	-	-	.9	7.5
	Richmond	50	5.3	4.2	2.7	.1	-	-	-	-	-	T	.4	1.9	14.6
WA	Seattle	43	5.6	1.5	1.4	.1	T	-	T	-	T	-	1.4	2.6	12.6
	Spokane	40	16.8	7.5	4.1	.6	.1	T	-	-	-	.5	6.2	15.4	51.2
WV	Charleston	40	10.8	9.1	4.7	.9	-	-	-	-	-	.1	2.3	4.8	32.7
WI	Milwaukee	47	13.1	9.3	8.9	1.8	-	-	-	-	T	.1	2.8	10.7	46.7
WY	Cheyenne	52	6.2	5.6	11.9	9.2	3.6	.3	-	-	.7	3.6	6.9	6.1	54.1
PR	San Juan	32	-	-	-	-	-	-	-	-	-	-	-	-	-

- Represents zero. [1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

No. 367. Average Wind Speed, Mean Number of Days Minimum Temperature Below 32 Degrees Fahrenheit, and Average Relative Humidity—Selected Cities

[Airport data, except as noted. For period of record through 1987, except as noted. M=morning. A=afternoon]

STATE	STATION	AVERAGE PERCENTAGE OF POSSIBLE SUNSHINE		AVERAGE WIND SPEED (m.p.h.)				MINIMUM TEMPERATURE 32° OR LESS		AVERAGE RELATIVE HUMIDITY (percent)						
		Length of record (yr.)	Annual	Length of record (yr.)	Annual	Jan.	July	Length of record (yr.)	Mean number (days)	Length of record (yr.)	Annual		Jan.		July	
											M	A	M	A	M	A
AL	Mobile	[1] 37	[1] 59	39	9.0	10.4	7.0	25	23	25	86	57	80	60	89	66
AK	Juneau	[2] 33	[2] 30	42	8.3	8.3	7.5	43	143	21	84	73	79	76	83	70
AZ	Phoenix	92	85	42	6.3	5.3	7.1	27	8	27	52	23	67	32	45	20
AR	Little Rock	32	62	45	7.9	8.7	6.8	27	61	27	84	57	80	61	87	58
CA	Los Angeles	[3] 32	[3] 73	39	7.5	6.7	7.8	28	(z)	28	79	64	70	60	86	67
	Sacramento	39	77	38	8.0	7.3	9.0	37	16	27	82	46	90	71	76	28
	San Diego	47	66	47	6.9	5.8	7.3	27	(z)	27	76	62	70	56	82	65
	San Francisco	[4] 38	[4] 66	60	10.6	7.1	13.6	28	2	28	84	62	86	66	86	59
CO	Denver	38	70	39	8.8	8.7	8.3	27	158	27	67	40	63	49	68	34
CT	Hartford	33	57	33	8.5	9.0	7.5	28	136	28	77	52	71	56	78	50
DE	Wilmington	[5] 39	[5] 57	39	9.2	10.0	7.8	40	101	40	78	55	75	60	79	54
DC	Washington	39	56	39	9.3	10.0	8.2	27	71	27	74	53	68	54	76	53
FL	Jacksonville	36	62	38	8.0	8.3	7.1	46	15	51	88	56	87	57	89	59
	Miami	11	72	38	9.2	9.5	7.9	23	(z)	23	84	61	84	59	85	63
GA	Atlanta	52	61	49	9.1	10.6	7.6	27	56	27	82	56	78	59	88	60
HI	Honolulu	35	68	38	11.5	9.7	13.4	18	-	18	72	56	81	62	68	52
ID	Boise	45	64	46	8.8	8.1	8.4	46	124	46	69	43	80	70	54	22
IL	Chicago	7	53	29	10.2	11.5	8.1	29	132	29	80	60	76	67	82	57
	Peoria	44	56	44	10.1	11.1	7.9	28	129	28	83	62	78	68	86	59
IN	Indianapolis	43	55	39	9.6	10.9	7.4	28	118	28	84	62	80	70	87	60
IA	Des Moines	37	59	38	10.9	11.7	9.0	26	134	26	79	60	75	67	81	57
KS	Wichita	34	65	34	12.3	12.2	11.2	34	112	34	80	56	78	63	76	46
KY	Louisville	40	56	40	8.3	9.7	6.7	27	90	27	81	59	76	64	86	58
LA	New Orleans	14	60	39	8.2	9.4	6.1	41	13	39	87	63	85	66	91	66
ME	Portland	47	57	47	8.7	9.2	7.6	47	158	47	79	59	76	61	80	59
MD	Baltimore	37	57	37	9.2	9.8	8.0	37	98	34	77	54	71	57	80	53
MA	Boston	52	58	30	12.4	13.9	10.9	23	99	23	72	56	67	57	73	56
MI	Detroit	22	53	29	10.3	11.7	8.4	29	137	29	81	60	79	69	83	53
	Sault Ste. Marie	46	47	46	9.3	9.8	7.9	46	181	46	85	67	81	75	89	62
MN	Duluth	37	52	38	11.2	11.7	9.6	26	184	26	80	63	75	69	84	59
	Minneapolis-St. Paul	49	57	49	10.6	10.5	9.4	28	155	28	79	60	73	66	81	54
MS	Jackson	23	60	24	7.4	8.6	5.9	24	51	24	91	58	86	65	93	59
MO	Kansas City	15	61	15	10.7	11.3	9.3	15	109	15	81	60	75	63	83	57
	St. Louis	28	57	38	9.7	10.6	7.9	27	102	27	84	60	82	66	85	58
MT	Great Falls	43	61	46	12.8	15.2	10.2	26	157	26	66	45	66	60	65	29
NE	Omaha	51	60	51	10.5	10.9	8.9	23	139	23	81	59	77	65	83	56
NV	Reno	39	79	45	6.5	5.6	7.0	24	178	24	71	32	79	51	64	19
NH	Concord	46	54	45	6.7	7.3	5.7	22	174	22	81	54	74	58	84	51
NJ	Atlantic City	27	55	29	10.1	11.2	8.5	23	109	23	81	56	77	59	83	57
NM	Albuquerque	48	76	48	9.0	8.1	9.1	27	120	27	60	29	71	40	59	27
NY	Albany	49	52	49	8.9	9.8	7.5	22	150	22	80	58	78	63	81	55
	Buffalo	44	49	48	12.0	14.3	10.4	27	133	27	80	63	79	73	78	55
	New York [6]	101	58	58	9.4	10.7	7.6	74	80	61	72	56	68	60	75	56
NC	Charlotte	37	64	38	7.5	7.9	6.5	27	69	27	83	54	78	55	87	57
	Raleigh	33	59	38	7.8	8.6	6.6	23	80	23	85	54	78	55	88	58
ND	Bismarck	48	60	48	10.3	10.0	9.2	28	185	28	80	57	74	68	83	47
OH	Cincinnati	4	52	40	9.1	10.7	7.1	25	108	25	81	60	78	68	85	57
	Cleveland	44	49	46	10.7	12.4	8.7	27	124	27	79	62	77	70	81	57
	Columbus	36	49	36	8.6	10.2	6.8	28	118	28	80	59	76	67	84	58
OK	Oklahoma City	33	68	39	12.4	12.8	10.9	22	79	22	79	54	78	59	79	48
OR	Portland	38	48	39	7.9	10.0	7.6	47	43	47	86	60	86	75	82	45
PA	Philadelphia	45	56	47	9.5	10.3	8.0	28	98	28	76	55	72	59	79	54
	Pittsburgh	35	47	35	9.1	10.6	7.2	28	124	27	78	57	74	65	82	53
RI	Providence	34	58	34	10.6	11.3	9.5	24	119	24	74	54	70	56	77	56
SC	Columbia	34	65	39	6.8	7.2	6.3	21	63	21	87	51	82	54	89	54
SD	Sioux Falls	[2 7] 42	[2 7] 62	39	11.1	11.0	9.8	24	167	24	81	60	75	67	82	53
TN	Memphis	35	64	39	8.9	10.2	7.5	46	57	48	81	57	78	63	84	57
	Nashville	45	56	46	8.0	9.2	6.5	22	77	22	84	57	79	63	90	57
TX	Dallas-Fort Worth	9	64	34	10.8	11.1	9.6	24	41	24	82	56	79	60	80	48
	El Paso	45	83	45	8.9	8.4	8.4	27	64	27	56	27	65	35	61	29
	Houston	18	56	18	7.8	8.2	6.3	18	21	18	90	60	85	64	92	58
UT	Salt Lake City	49	66	58	8.8	7.6	9.6	28	125	28	67	43	78	69	52	22
VT	Burlington	44	49	44	8.9	9.5	7.9	23	157	22	77	59	71	63	79	58
VA	Norfolk	23	61	39	10.6	11.6	8.9	39	55	39	78	57	74	59	81	58
	Richmond	37	62	39	7.6	8.1	6.7	58	85	53	83	53	80	57	85	56
WA	Seattle	21	46	39	9.0	9.7	8.3	28	31	28	82	62	80	74	81	46
	Spokane	39	53	40	8.6	8.6	8.4	28	140	28	77	52	85	78	64	27
WV	Charleston	[8] 83	[8] 49	40	6.4	7.6	5.1	40	100	40	82	56	77	63	90	58
WI	Milwaukee	47	54	47	11.6	12.7	9.6	27	142	27	80	64	75	68	82	61
WY	Cheyenne	48	65	30	12.9	15.3	10.3	28	172	28	64	44	57	50	69	38
PR	San Juan	32	65	32	8.5	8.5	9.6	32	-	32	79	65	81	64	78	66

- Represents zero. Z Less than one-half a day. [1] Recording site is in Montgomery, AL. [2] For period of record through 1984. [3] For period of record through 1976. [4] For period of record through 1973. [5] For period of record through 1978. [6] City office data. [7] Recording site is in Rapid City, SD. [8] Recording site is in Parkersburg, WV.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

No. 368. Normal Monthly and Seasonal Heating Degree Days, 65° Base—Selected Cities

[Airport data, except as noted. Based on standard 30-year period, 1951 through 1980. For definition of "degree day," see text, section 6]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Seasonal
AL	Mobile	469	342	191	43	-	-	-	-	-	50	218	382	1,695
AK	Juneau	1,339	1,042	1,048	777	574	369	288	322	474	719	969	1,184	9,105
AZ	Phoenix	394	269	167	52	-	-	-	-	-	13	159	368	1,442
AR	Little Rock	778	585	417	124	18	-	-	-	8	132	414	676	3,152
CA	Los Angeles	286	233	240	180	106	54	17	12	18	55	139	255	1,595
	Sacramento	611	412	366	229	83	21	-	-	7	82	360	601	2,772
	San Diego	258	196	193	124	71	40	5	-	7	32	118	240	1,284
	San Francisco	512	375	378	306	226	139	103	89	80	148	315	490	3,161
CO	Denver	1,101	879	837	528	253	74	-	-	135	414	789	1,004	6,014
CT	Hartford	1,234	1,047	874	486	197	20	-	8	102	391	702	1,113	6,174
DE	Wilmington	1,048	890	719	378	130	6	-	-	36	282	562	915	4,986
DC	Washington	924	770	595	257	68	-	-	-	13	197	489	809	4,122
FL	Jacksonville	396	302	166	21	-	-	-	-	-	21	164	332	1,402
	Miami	76	62	14	-	-	-	-	-	-	-	5	42	199
GA	Atlanta	716	583	400	133	37	5	-	-	7	130	394	636	3,021
HI	Honolulu	-	-	-	-	-	-	-	-	-	-	-	-	-
ID	Boise	1,088	809	732	492	253	83	-	23	134	406	759	1,023	5,802
IL	Chicago	1,352	1,092	899	486	224	38	-	9	75	368	756	1,156	6,455
	Peoria	1,349	1,070	859	411	176	22	-	5	84	361	756	1,153	6,226
IN	Indianapolis	1,209	983	775	382	158	15	-	-	63	330	696	1,039	5,650
IA	Des Moines	1,438	1,134	927	435	156	17	-	-	80	357	792	1,218	6,554
KS	Wichita	1,097	837	656	275	89	7	-	-	37	219	621	949	4,787
KY	Louisville	1,008	815	624	264	98	5	-	-	32	250	567	862	4,525
LA	New Orleans	423	318	171	25	-	-	-	-	-	31	186	336	1,490
ME	Portland	1,349	1,176	1,020	666	378	107	22	54	201	515	798	1,215	7,501
MD	Baltimore	1,001	848	673	334	115	-	-	-	29	261	561	884	4,706
MA	Boston	1,097	960	825	489	218	25	-	6	80	329	594	970	5,593
MI	Detroit	1,290	1,098	930	528	247	36	5	12	106	414	765	1,132	6,563
	Sault Ste. Marie	1,603	1,420	1,274	807	480	210	101	123	306	611	966	1,404	9,305
MN	Duluth	1,820	1,484	1,305	801	456	179	71	115	334	645	1,104	1,587	9,901
	Minneapolis-St. Paul	1,668	1,330	1,110	570	238	41	12	16	160	488	954	1,420	8,007
MS	Jackson	611	462	303	77	9	-	-	-	-	98	316	513	2,389
MO	Kansas City	1,212	921	729	314	112	12	-	-	42	258	657	1,026	5,283
	St. Louis	1,122	874	676	279	110	12	-	-	40	258	612	955	4,938
MT	Great Falls	1,435	1,072	1,042	669	369	141	20	66	268	536	930	1,218	7,766
NE	Omaha	1,389	1,058	859	390	130	16	-	-	73	342	765	1,172	6,194
NV	Reno	1,017	773	756	558	333	124	16	59	171	456	759	1,008	6,030
NH	Concord	1,398	1,198	1,020	627	314	67	20	39	191	521	831	1,256	7,482
NJ	Atlantic City	1,029	890	744	420	165	26	-	-	27	298	582	905	5,086
NM	Albuquerque	936	717	583	302	81	-	-	-	12	242	630	911	4,414
NY	Albany	1,361	1,165	973	552	252	38	7	15	149	450	771	1,194	6,927
	Buffalo	1,297	1,134	992	588	294	53	9	25	130	423	741	1,122	6,798
	New York [1]	1,029	885	732	378	134	7	-	-	36	240	534	893	4,868
NC	Charlotte	780	619	459	155	50	-	-	-	10	166	429	694	3,342
	Raleigh	787	655	496	181	53	-	-	-	9	187	450	713	3,531
ND	Bismarck	1,807	1,414	1,209	675	324	100	18	57	255	566	1,092	1,538	9,075
OH	Cincinnati	1,076	882	682	317	122	8	-	-	39	279	612	933	4,950
	Cleveland	1,225	1,053	880	507	244	33	8	11	99	371	696	1,051	6,178
	Columbus	1,175	966	775	408	178	19	-	5	78	355	687	1,020	5,686
OK	Oklahoma City	902	678	506	184	41	-	-	-	15	145	486	778	3,735
OR	Portland	809	610	592	438	263	118	35	51	111	332	585	747	4,691
PA	Philadelphia	1,048	893	719	363	127	-	-	-	33	273	576	915	4,947
	Pittsburgh	1,187	1,014	822	447	201	28	-	13	101	393	702	1,042	5,950
RI	Providence	1,141	1,000	856	513	239	31	-	6	94	366	648	1,014	5,908
SC	Columbia	637	508	346	87	22	-	-	-	-	123	339	567	2,629
SD	Sioux Falls	1,631	1,285	1,073	561	240	52	14	15	161	489	960	1,404	7,885
TN	Memphis	787	602	433	126	25	-	-	-	9	137	415	673	3,207
	Nashville	865	689	510	186	55	-	-	-	19	193	492	747	3,756
TX	Dallas-Fort Worth	651	469	313	85	-	-	-	-	-	56	300	533	2,407
	El Paso	645	465	318	93	-	-	-	-	-	96	408	639	2,664
	Houston	442	314	175	32	-	-	-	-	-	36	201	349	1,549
UT	Salt Lake City	1,128	865	753	474	220	53	-	-	97	377	759	1,076	5,802
VT	Burlington	1,500	1,313	1,110	669	326	64	23	50	202	530	852	1,314	7,953
VA	Norfolk	778	669	512	219	53	-	-	-	9	146	393	667	3,446
	Richmond	880	731	552	226	65	-	-	-	24	221	483	778	3,960
WA	Seattle-Tacoma	803	622	645	489	313	169	76	97	169	388	606	744	5,121
	Spokane	1,218	913	849	576	339	140	17	63	209	539	903	1,116	6,882
WV	Charleston	995	823	626	298	125	16	-	-	51	301	591	871	4,697
WI	Milwaukee	1,435	1,176	1,020	612	334	84	11	25	117	444	831	1,237	7,326
WY	Cheyenne	1,206	1,000	1,020	696	397	139	24	37	235	543	906	1,107	7,310
PR	San Juan	-	-	-	-	-	-	-	-	-	-	-	-	-

- Represents zero. [1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States*, No. 81, Sept. 1982.

NO. 369. NORMAL MONTHLY AND SEASONAL COOLING DEGREE DAYS, 65° BASE—SELECTED CITIES

[Airport data, except as noted. Based on standard 30-year period, 1951 through 1980. For definition of "degree day," see text, section 6]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Seasonal
AL	Mobile	29	23	39	133	307	465	533	521	396	158	26	13	2,643
AK	Juneau	-	-	-	-	-	-	-	-	-	-	-	-	-
AZ	Phoenix	-	20	51	142	376	645	846	772	588	273	27	6	3,746
AR	Little Rock	-	-	20	46	188	405	530	496	287	73	-	-	2,045
CA	Los Angeles	7	12	-	15	25	72	141	176	153	95	25	7	728
	Sacramento	-	-	-	25	80	207	329	301	208	48	-	-	1,198
	San Diego	-	11	7	10	21	79	170	226	187	109	22	-	842
	San Francisco	-	-	-	-	-	13	16	27	47	12	-	-	115
CO	Denver	-	-	-	-	11	134	261	203	63	8	-	-	680
CT	Hartford	-	-	-	-	24	128	260	203	51	-	-	-	666
DE	Wilmington	-	-	-	-	43	192	341	304	123	12	-	-	1,015
DC	Washington	-	-	-	8	99	285	431	391	196	20	-	-	1,430
FL	Jacksonville	30	25	51	102	282	420	505	496	396	160	38	15	2,520
	Miami	141	140	222	309	419	480	539	552	504	400	239	150	4,095
GA	Atlanta	-	-	12	37	170	329	422	409	247	44	-	-	1,670
HI	Honolulu	236	221	291	321	388	423	468	496	468	450	348	279	4,389
ID	Boise	-	-	-	-	17	107	298	240	80	-	-	-	742
IL	Chicago	-	-	-	-	41	146	252	223	66	12	-	-	740
	Peoria	-	-	-	-	71	208	314	256	82	17	-	-	948
IN	Indianapolis	-	-	-	-	80	213	313	257	111	14	-	-	988
IA	Des Moines	-	-	-	-	66	215	354	279	83	22	-	-	1,019
KS	Wichita	-	-	8	14	117	340	508	456	205	38	-	-	1,686
KY	Louisville	-	-	7	12	110	266	391	353	179	24	-	-	1,342
LA	New Orleans	32	30	59	136	307	459	530	518	405	161	36	13	2,686
ME	Portland	-	-	-	-	-	23	118	104	9	-	-	-	254
MD	Baltimore	-	-	-	-	66	221	366	329	146	10	-	-	1,138
MA	Boston	-	-	-	-	17	115	266	220	68	13	-	-	699
MI	Detroit	-	-	-	-	33	117	219	183	55	8	-	-	615
	Sault Ste. Marie	-	-	-	-	6	12	55	58	-	-	-	-	131
MN	Duluth	-	-	-	-	-	11	80	59	-	-	-	-	150
	Minneapolis-St. Paul	-	-	-	-	36	134	263	190	28	11	-	-	662
MS	Jackson	13	17	34	80	241	426	524	502	342	98	13	-	2,290
MO	Kansas City	-	-	-	8	99	270	423	363	144	26	-	-	1,333
	St. Louis	-	-	-	12	128	306	431	372	181	38	-	-	1,468
MT	Great Falls	-	-	-	-	-	48	153	144	40	6	-	-	391
NE	Omaha	-	-	-	6	77	256	394	320	97	16	-	-	1,166
NV	Reno	-	-	-	-	11	46	156	117	27	-	-	-	357
NH	Concord	-	-	-	-	10	58	160	111	14	-	-	-	353
NJ	Atlantic City	-	-	-	-	26	152	291	248	75	-	-	-	792
NM	Albuquerque	-	-	-	-	59	285	428	344	132	6	-	-	1,254
NY	Albany	-	-	-	-	19	89	206	145	35	-	-	-	494
	Buffalo	-	-	-	-	18	83	186	146	43	-	-	-	476
	New York [1]	-	-	-	-	56	199	363	322	135	14	-	-	1,089
NC	Charlotte	-	-	7	14	149	304	419	400	220	33	-	-	1,546
	Raleigh	-	-	9	16	121	270	394	372	189	23	-	-	1,394
ND	Bismarck	-	-	-	-	10	79	186	174	24	-	-	-	473
OH	Cincinnati	-	-	-	8	101	230	344	310	144	22	-	-	1,159
	Cleveland	-	-	-	-	33	111	213	178	72	5	-	-	612
	Columbus	-	-	-	-	66	175	273	235	102	11	-	-	862
OK	Oklahoma City	-	-	13	40	147	360	530	499	264	61	-	-	1,914
OR	Portland	-	-	-	-	6	43	119	122	42	-	-	-	332
PA	Philadelphia	-	-	-	-	59	202	357	319	129	9	-	-	1,075
	Pittsburgh	-	-	-	-	37	121	222	186	74	5	-	-	645
RI	Providence	-	-	-	-	10	85	235	195	49	-	-	-	574
SC	Columbia	8	6	20	51	223	381	496	471	297	74	6	-	2,033
SD	Sioux Falls	-	-	-	-	29	154	293	226	41	6	-	-	749
TN	Memphis	-	-	20	54	211	411	530	484	285	72	-	-	2,067
	Nashville	-	-	14	24	151	328	446	415	238	45	-	-	1,661
TX	Dallas-Fort Worth	-	7	37	112	275	510	660	636	408	146	18	-	2,809
	El Paso	-	-	11	51	218	474	543	474	273	52	-	-	2,096
	Houston	20	20	51	143	307	468	561	546	402	181	54	8	2,761
UT	Salt Lake City	-	-	-	-	28	152	388	311	97	5	-	-	981
VT	Burlington	-	-	-	-	22	61	165	115	16	-	-	-	379
VA	Norfolk	-	-	-	15	96	282	415	394	225	31	-	-	1,458
	Richmond	-	-	-	13	99	258	397	366	180	23	-	-	1,336
WA	Seattle-Tacoma	-	-	-	-	-	25	70	70	19	-	-	-	184
	Spokane	-	-	-	-	8	41	162	159	41	-	-	-	411
WV	Charleston	-	-	-	7	91	196	295	270	129	19	-	-	1,007
WI	Milwaukee	-	-	-	-	18	81	182	158	24	7	-	-	470
WY	Cheyenne	-	-	-	-	-	49	145	93	22	-	-	-	309
PR	San Juan	357	325	388	414	474	501	527	533	507	508	438	394	5,366

- Represents zero. [1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States*, No. 81, Sept. 1982.

Section 7

Parks, Recreation, and Travel

This section presents statistics on national parks and forests, State parks, recreational activities, the arts and humanities, and domestic and foreign travel.

Parks and recreation.—The Department of the Interior has responsibility for administering the national parks. As part of this function, it compiles data and issues various reports relating to the usage of public parks for recreation purposes. The National Park Service publishes information on visits to national park areas in its annual report, *National Park Statistical Abstract. The National Parks: Index (year)* is a biannual report which has appeared under a variety of *Index* titles prior to 1985. The 1985 and 1987 editions have appeared under the current title. The *Index* contains brief descriptions, with acreages, of each area administered by the Service, plus certain "related" areas. A brief statistical summary of Service-administered areas is also presented. The annual *Federal Recreation Fee Report* summarizes the prior year's recreation fee receipts and recreation visitation statistics for seven Federal land managing agencies.

Statistics for State parks are compiled by the National Association of State Park Directors which issues its annual *Information Exchange*. The Bureau of Land Management, in its *Public Land Statistics*, also issues data on recreational use of its lands. The Department of Agriculture's Forest Service, in its *Report of the Forest Service*, issues data on recreational uses of the national forests.

Statistics on recreation other than usage of public lands have not generally been compiled and published in a systematic way. In general, more data are available in the files of public and private bodies than have been published; and much of what is published is in forms not physically permanent nor likely to be preserved in libraries and other reference sources. The series presented here represent only the more readily available data.

Visitation.—Statistics presented on visitation to various reporting areas are collected by several different agencies and groups. The methodology used to collect these results, may vary accordingly from visual counts and estimates to the use of electromagnetic traffic counters. Many factors besides the methodology, may affect the results such as multiple or random access points, irregular boundaries, and many other general factors that may affect usage. In using and comparing these data, one should also be aware of several different definitions that follow: Recreation visit, which is the entry of any person into an area for recreation purposes; nonrecreation visits, which include the visits going to and from inholdings, through traffic, tradespeople and personnel with business in the area; and visitor hour, which constitutes the presence of a person in a recreation area or site for recreational purposes for periods of time aggregating 60 minutes.

Recreation and leisure activities.—Statistics on the participation in various recreation and leisure time activities presented here are based on several sample surveys. Data on participation in fishing, hunting, and other forms of wildlife-associated recreation are published every five years by the U.S. Department of Interior, Fish and Wildlife Service. The most recent data are from the 1985 survey. Data on participation in various sports recreation activities are published by the National Sporting Goods Association. Data on participation and attendance at various art performances by demographic characteristics are presented by the National Endowment for the Arts.

Travel.—Information on foreign travel and personal expenditures abroad, as well as expenditures by foreign citizens traveling in the United States, is compiled annually by the U.S. Bureau of Economic Analysis and published in selected issues of the monthly *Survey of Current Business.* Data on the number of passports issued annually to U.S. citizens are to be found in the annual *Summary of Passport Statistics* issued by the U.S. Dept. of State's Bureau of Consular Affairs. Statistics on arrivals to and departures from the United States by air are reported by the Department of Transportation in cooperation with the U.S. Immigration and Naturalization Service in *International Air Travel Statistics.* Data on domestic travel, business receipts and employment of the travel industry, and travel expenditures are published by the U.S. Travel Data Center, a national nonprofit group for travel and tourism located in Washington, DC. Other data on household transportation characteristics may be found in section 21.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

No. 370. Visitation to Federal Recreation Areas, by Administering Federal Agency: 1978 to 1987

[In millions of visitor hours. For years ending September 30, except as indicated. Covers persons entering and using a recreation area over a specified period of time. For definition of visitor hour, see text, section 7. Data may not be comparable for all years]

ADMINISTERING FEDERAL AGENCY	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All areas	7,084	6,718	6,367	6,522	6,640	6,668	6,252	6,403	6,505	7,871
Fish and Wildlife Service	64	25	17	23	12	63	60	65	67	72
Forest Service	2,622	2,642	2,819	2,829	2,801	2,733	2,731	2,705	2,718	2,861
U.S. Army Corps of Engineers	2,071	1,961	1,926	1,486	1,632	1,638	1,652	1,721	1,730	1,764
National Park Service	1,154	1,066	1,042	1,198	1,216	1,276	1,240	1,298	1,332	1,377
Bureau of Land Management	634	525	68	444	341	596	208	246	284	317
Bureau of Reclamation [1]	431	411	407	461	556	285	282	289	296	381
Tennessee Valley Authority	97	88	87	80	80	78	79	79	77	78

[1] Calendar year data.

Source: 1978–1980, U.S. Heritage Conservation and Recreation Service, *Federal Recreation Fee Report*, annual; thereafter, U.S. National Park Service.

No. 371. National Park System—Summary: 1970 to 1986

[For fiscal years ending in year shown; see text, section 10, except as noted. Includes data for 5 areas in Puerto Rico and Virgin Islands, and 1 area in Guam. See also *Historical Statistics, Colonial Times to 1970*, series H 806–828]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Finances (mil. dol.):										
Expenditures reported [1]	138.6	341.8	482.8	574.3	1,172.9	1,012.5	1,008.0	1,110.7	1,072.3	1,008.6
Salaries and wages	82.5	152.1	238.3	259.3	302.6	320.1	353.0	363.5	380.0	382.9
Improvements, maintenance	15.5	40.4	67.9	77.3	82.3	98.3	102.4	136.4	127.4	119.6
Construction	23.9	85.5	76.7	126.8	123.2	72.9	87.5	93.3	84.7	125.9
Other	17.0	63.8	99.9	110.8	664.8	521.2	465.1	517.5	480.2	375.2
Funds available [1]	174.6	428.0	616.7	907.9	2,307.7	1,931.3	2,035.8	1,915.5	1,810.6	[illegible]
Appropriations	129.4	345.6	526.2	539.4	827.0	801.2	1,118.2	942.6	983.9	949.3
Other	45.2	82.4	90.5	368.5	1,480.7	1,130.1	917.6	972.9	826.7	785.1
Revenue from operations [2]	8.8	17.2	21.1	21.1	22.9	25.5	33.1	36.2	50.6	50.7
Visits (millions): [3]										
All areas	172.0	238.6	282.4	300.3	329.7	334.4	335.6	331.5	344.9	364.6
National parks [4]	45.9	56.6	57.5	60.2	63.3	63.5	63.8	64.4	64.5	69.6
National monuments	17.3	17.3	16.6	16.3	17.1	16.2	18.5	18.1	19.0	24.0
National historical, archeological, and military areas	47.0	75.7	83.9	86.5	95.0	95.1	95.3	96.8	95.6	98.8
National parkways	27.8	36.0	35.0	40.2	43.8	45.1	47.8	48.7	50.5	57.2
National recreation areas [4]	11.5	23.9	41.3	48.1	51.1	52.9	54.4	52.5	56.4	60.0
National seashores	9.1	13.3	14.2	15.0	16.0	15.5	16.7	18.5	22.2	20.4
National Capital Parks [5]	10.3	11.2	2.8	4.1	6.7	7.3	6.3	7.2	8.3	6.6
Miscellaneous other areas	3.0	2.6	31.5	26.0	37.3	36.6	31.7	25.4	28.4	31.7
Overnight stays reported	16.2	16.7	16.0	16.5	17.0	16.9	16.1	16.3	16.1	16.3
Camper days	9.0	8.8	7.9	8.3	8.9	8.6	7.8	7.7	7.3	7.2
Tents	4.7	3.7	3.4	3.9	4.2	4.2	3.6	3.7	3.6	3.5
Recreation vehicles	4.3	5.1	4.5	4.4	4.7	4.6	4.2	3.9	3.8	3.8
In commercial lodgings	4.9	4.0	4.0	4.1	4.0	3.3	3.3	3.5	3.5	4.3
Other	2.2	3.9	4.1	4.1	4.1	4.8	5.0	4.8	4.9	4.7
Land (1,000 acres):										
Total [6]	26,543	29,091	70,797	70,936	73,665	74,800	74,846	74,913	75,749	75,880
Parks [7]	14,307	15,344	15,684	15,801	44,470	45,414	45,427	45,454	45,739	45,791
Recreation areas	3,628	3,156	3,280	3,322	3,327	3,313	3,317	3,322	3,335	3,307
Other [7]	10,608	10,590	51,833	51,813	25,868	26,073	26,102	26,137	26,675	26,735
Acquisition, gross	83	110	86	121	70	40	46	43	34	99
By purchase	74	70	65	109	60	37	43	42	29	69
By gift	1	(Z)	4	7	6	3	1	(Z)	2	18
By transfer or exchange	10	40	17	5	4	(Z)	6	2	3	12
Exclusion	2	(Z)	1	(Z)	(Z)	(Z)	2	2	(Z)	4
Acquisition, net	82	110	85	121	70	40	46	43	34	95

Z Less than 1,000 acres. [1] For 1970–1980; excludes transfers and allocations from appropriations to other agencies (e.g. Land and Water Conservation Fund, etc.) Beginning 1981, data reflect absorption by National Park Service of activities of former Heritage Conservation and Recreation Service (e.g., Land and Water Conservation Fund); see text, section 7. [2] Receipts deposited in Treasury; beginning 1975, receipts from annual admission permit (Golden Eagle Passport) and special recreation use fees are available for NPS expenditure. [3] For calendar year. [4] Combined data for North Cascades National Park and two adjacent National Recreation Areas are included in National Parks total. [5] Beginning 1979, visits to some areas previously included in National Capital Parks now included in other areas. [6] Federal land only, as of Dec. 31. On Dec. 1, 1978 over 40 million acres of public domain land in Alaska were added to the system. [7] Several areas of the National Park System were reclassified as national parks in 1981; therefore, data for 1970–1980 are not comparable with later years.

Source: U.S. National Park Service, visits, 1970, *Campground Use in the National Park Service*, annual; *Camper Days in Areas Administered by the National Park Service*, annual; and *Public Use of the National Parks*, monthly; 1975, *Public Use of the National Park System*, semiannual; thereafter, *National Park Statistical Abstract*, annual and unpublished data. Land, *Index—National Park System and Related Areas*, biannual. Other data are unpublished.

NO. 372. NATIONAL PARK SYSTEM—TYPE OF AREA: 1987

[As of September 30. Totals include 5 areas in Puerto Rico and Virgin Islands, and 1 area in Guam. See also *Historical Statistics, Colonial Times to 1970*, series H 806-828]

TYPE OF AREA	Number of areas	Federal acreage	Recreation visits (mil.)	TYPE OF AREA	Number of areas	Federal acreage	Recreation visits (mil.)
National Park System	**343**	**76,055,807**	**287.2**	National seashores	10	478,215	18.5
				Parkways	4	159,648	39.3
National parks	49	45,875,126	56.6	National lakeshores	4	143,282	3.4
National historical parks	26	94,815	29.5	National rivers	12	237,137	3.6
National monuments	78	4,626,647	23.5	National Capital Parks	1	6,469	8.1
National military parks	9	33,099	4.5				
National battlefields	11	9,358	2.1	Parks, other	10	31,953	8.0
				National recreation areas	17	3,338,846	56.5
National battlefield parks	3	7,449	1.7	National trails	3	91,103	(NA)
National battlefield site	1	1	(NA)	National preserves	12	20,699,872	.1
National historic sites	64	16,454	10.8	National Mall	1	146	(NA)
National memorials	25	7,865	20.1	White House	1	18	1.1
				Other	2	(NA)	(NA)

NA Not available.

Source: U.S. National Park Service, *The National Parks: Index*, biannual; and *National Park Statistical Abstract*, annual.

NO. 373. SELECTED NATIONAL PARK SERVICE AREAS—ACREAGE, 1987, AND VISITS AND OVERNIGHT STAYS, 1985 TO 1987

[Calendar year data, except acreage as of December 31. Area selection based on minimum of 4 million visits or 200,000 overnight stays in 1987. For information on methodolgy and definition of "visits", see text, section 7]

AREA	Federal acres, 1987 (1,000)	RECREATION VISITS (mil.)			OVERNIGHT STAYS [1] (1,000)		
		1985	1986	1987	1985	1986	1987
Total, all areas [2]	**76,056**	**263.4**	**281.1**	**287.2**	**15,780**	**15,997**	**17,123**
Acadia National Park, ME	41	3.7	3.9	4.3	208	206	212
Big Bend National Park, TX	708	.2	.2	.2	238	221	225
Blue Ridge Parkway, NC, VA	79	17.2	17.1	18.6	230	249	246
Cape Cod National Seashore, MA	27	4.4	4.0	4.9	17	16	16
Chesapeake and Ohio National Historical Park, MD, DC, WV	14	6.2	[3] 4.9	5.9	62	[4] 4	[4] 9
Death Valley National Monument, CA, NV	2,049	.6	.6	.7	337	328	314
Gateway National Recreation Area, NY, NJ	20	8.6	8.9	9.4	10	26	6
George Washington Memorial Parkway, VA, MD	7	8.8	9.1	9.6	-	-	-
Glacier National Park, MT	1,013	1.6	1.6	1.7	266	287	307
Glen Canyon National Recreation Area, AZ, UT	1,194	2.1	2.4	2.9	1,626	1,965	2,062
Golden Gate National Recreation Area, CA	28	18.3	21.6	21.3	99	112	112
Grand Canyon National Park, AZ	1,179	2.7	3.0	3.5	733	631	866
Grand Teton National Park, WY	307	1.3	1.3	1.5	452	421	453
Great Smoky Mountain National Park, NC, TN	520	9.3	9.8	10.2	479	460	495
Gulf Island National Seashore, MS, FL	99	9.9	7.6	4.8	153	171	174
Independence National Historical Park, PA	(Z)	4.9	5.0	7.3	-	-	-
Kings Canyon National Park, CA	462	.8	1.0	1.1	269	267	284
Lake Mead National Recreation Area, AZ, NY	1,469	7.0	7.8	8.1	1,304	1,309	1,302
Lincoln Memorial, DC	(Z)	3.8	4.0	4.3	-	-	-
Mesa Verde National Park, CO	52	.7	.7	.7	187	181	217
Natchez Trace Parkway, MS, TN, AL	50	12.9	14.4	9.9	17	20	23
National Capital Parks, DC, MD	6	8.3	6.6	8.1	-	-	-
Olympic National Park, WA	911	2.5	2.9	2.8	375	366	372
Rocky Mountain National Park, CO	264	2.2	2.4	2.5	201	197	205
Sequoia National Park, CA	402	.9	1.1	1.1	375	383	442
Shenandoah National Park, VA	195	1.9	1.8	1.8	430	362	354
Valley Forge National Historical Park, PA	3	4.2	4.2	4.3	-	-	-
Vietnam Veterans Memorial, DC	(Z)	4.0	5.4	4.0	-	-	-
Virgin Island National Park, VI	13	.7	.8	.8	196	218	203
Yellowstone National Park, ID, MT, WY	2,220	2.2	2.4	2.6	1,270	1,308	1,398
Yosemite National Park, CA	759	2.8	2.9	3.2	2,068	1,984	2,199
Zion National Park, UT	143	1.5	1.7	1.8	208	236	263

- Represents zero. Z Less than 500 acres. [1] The passing of one night by a visitor within a park, and occurs each night a visitor remains in the park. [2] Includes areas not shown separately. [3] 1986 not comparable with other years due to temporary closing. [4] Not comparable with 1985 due to a temporary closing affecting campsites.

Source: U.S. National Park Service, *National Park Statistical Abstract*, annual, and unpublished data.

NO. 374. NATIONAL FOREST RECREATION USE—SUMMARY, 1980 TO 1987, AND BY ACTIVITY AND STATES AND OTHER AREAS, 1987

[For year ending September 30. Estimated. Represents recreational use of National Forest land and water in States which hav a Forest Service recreation program. See also *Historical Statistics, Colonial Times to 1970*, series H 829-835]

YEAR AND ACTIVITY	Visitor-days [1] (1,000)	Percent	STATE	Visitor-days, [1] 1987 (1,000)	STATE OR OTHER AREA	Visitor-days [1] 1987 (1,000)
1980	233,549	100.0	**U.S.**	**238,458**	NV	2,364
1981	235,709	100.0			NH	2,474
1982	233,438	100.0	AL	850	NM	6,447
1983	227,706	100.0	AK	4,085	NY	23
1984	227,554	100.0	AZ	18,840	NC	4,572
1985	225,407	100.0	AR	2,279	ND	131
1986	226,533	100.0	CA	57,975	OH	412
			CO	22,583	OK	321
1987, total	**238,458**	**100.0**	FL	2,732	OR	19,210
			GA	2,669	PA	2,394
Mechanized travel and viewing scenery	75,814	31.8	ID	10,607	SC	600
Camping, picnicking and swimming	68,104	28.6	IL	830	SD	2,687
Hiking, horseback riding and water travel	20,352	8.5	IN	483	TN	2,432
Fishing	16,170	6.8	KS	22	TX	1,934
Hunting	15,706	6.6	KY	2,249	UT	13,737
Winter sports	15,201	6.4	LA	418	VT	1,029
Resorts, cabins and organization camps	14,831	6.2	MA	48	VA	3,728
Nature studies	1,710	.7	MI	4,410	WA	15,068
Other [2]	10,571	4.4	MN	4,382	WV	1,137
			MS	1,180	WI	1,963
			MO	1,716	WY	6,502
			MT	9,912		
			NE	163	PR	382

[1] Represents 12 person-hours of use, which may entail 1 person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. [2] Includes team sports, gathering forest products, attending talks and programs, and other uses.

Source: U.S. Forest Service, unpublished data.

NO. 375. RECREATIONAL USE OF PUBLIC LANDS ADMINISTERED BY BUREAU OF LAND MANAGEMENT, 1982 TO 1987, AND BY STATE, 1987

[In thousands. For year ending Sept. 30. See text, section 7]

YEAR AND STATE	Number of visits	TYPE OF RECREATION USE (visitor hours)										
		Total	Land-based recreation activities						Water-based recreation activities			Snow- and ice-based recreational activity, winter sports
			Motorized travel		Site based							
			Off-road vehicle travel	Other motorized travel	Non-motorized travel	Camping	Hunting	Other	Fishing	Boating	Other	
1982	58,135	316,959	19,471	32,646	11,237	63,928	108,996	44,567	19,287	10,101	1,043	5,083
1983	56,270	334,010	24,397	35,534	12,237	84,066	92,974	39,734	20,290	16,869	4,992	2,817
1984	59,228	271,373	21,348	25,433	9,579	73,032	73,898	37,650	14,263	11,184	2,092	2,884
1985	51,739	244,612	36,995	24,053	10,047	65,397	51,842	23,098	14,254	11,710	2,193	5,023
1986	54,253	284,142	49,688	25,866	14,397	95,196	35,570	19,331	16,227	15,891	3,951	6,025
1987, total	**56,427**	[1] **514,716**	**123,325**	**34,325**	**19,172**	**195,315**	**57,824**	**36,412**	**22,932**	**15,140**	**5,212**	**3,289**
AK	250	5,009	103	217	90	3,678	313	124	251	162	4	67
AZ	2,187	35,576	1,494	186	576	26,327	3,488	1,821	431	631	620	2
CA	29,870	320,663	106,969	18,393	10,603	124,606	24,143	26,199	4,699	1,550	2,792	509
CO	4,662	18,428	822	2,352	647	3,822	3,938	549	4,524	1,292	24	458
ID	2,023	15,578	819	881	787	3,361	4,457	1,073	1,714	1,127	396	963
MT [2]	2,002	12,091	1,871	1,611	446	3,626	1,890	286	1,517	627	44	173
NV	2,668	16,373	2,761	1,784	1,593	4,236	2,906	802	1,856	203	140	92
NM	2,486	13,844	2,404	569	807	2,703	2,873	2,073	1,356	897	82	60
OR [3]	5,063	39,726	1.141	1,841	887	14,530	6,975	2,747	4,270	5,895	964	478
UT	2,479	18,065	2,903	4,274	2,036	3,269	1,267	1,160	592	2,361	109	94
WY	2,737	19,363	2,038	2,217	700	4,957	5,374	1,578	1,722	395	37	345

[1] Increase due to an estimated longer length of stay per visit, especially in California. [2] Includes North Dakota and South Dakota. [3] Includes Washington.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

No. 376. State Parks and Recreation Areas—States: 1987

[For year ending **June 30. Data are shown as reported by State park directors. In some States, park agency has under its control forests, fish and wildlife areas** and/or **other areas. In other States, agency is responsible for State parks only**]

DIVISION AND STATE	Acreage (1,000)	VISITORS (1,000)		REVENUE	
		Total [1]	Day	Total ($1,000)	Percent of operating budget
U.S.	**13,752**	**694,432**	**634,531**	**309,626**	**36.5**
N. Eng.:					
ME	72	2,072	1,872	1,206	32.5
NH	30	3,906	3,726	6,819	99.5
VT	171	786	486	2,801	91.0
MA	266	12,240	11,409	6,050	32.3
RI	9	5,807	5,711	1,465	26.7
CT	181	7,706	7,261	2,282	22.8
Mid. Atl.:					
NY	258	37,514	34,767	22,632	22.6
NJ	300	9,599	9,063	5,213	26.0
PA	276	36,303	34,824	5,475	16.4
E. No. Cent.:					
OH	193	66,164	65,568	10,000	27.7
IN	54	9,885	8,279	7,434	74.8
IL	363	35,190	34,711	2,123	9.3
MI	253	22,845	17,575	13,951	71.1
WI	119	11,275	9,927	6,097	59.8
W. No. Cent.:					
MN	3,441	6,001	5,267	4,596	39.9
IA	52	10,024	9,412	2,162	43.0
MO	107	12,442	11,457	2,324	14.1
ND	16	950	837	640	40.3
SD	113	5,579	5,231	2,532	51.8
NE	148	8,413	7,319	3,957	52.9
KS	37	4,452	3,246	1,929	44.0
So. Atl.:					
DE	11	2,738	2,390	2,916	72.4
MD	216	6,890	6,339	5,535	36.3
VA	54	3,635	3,177	1,558	24.8
So. Atl.—Con.					
WV	206	9,129	8,215	10,462	53.4
NC	125	7,152	6,815	1,182	16.4
SC	79	7,803	6,854	8,360	61.6
GA	61	13,310	10,056	8,569	48.2
FL	278	14,290	13,098	10,459	49.7
E. So. Cent.:					
KY	42	24,210	23,140	31,858	62.3
TN	120	24,343	23,307	15,662	50.7
AL	48	6,099	5,186	8,799	57.0
MS	22	4,434	4,046	4,246	103.7
W. So. Cent.:					
AR	44	7,148	6,360	8,799	53.7
LA	38	740	525	990	23.8
OK	95	15,656	13,632	5,606	30.8
TX	225	19,925	17,821	11,107	40.6
Mt.:					
MT	52	4,195	3,636	467	16.3
ID	47	2,281	2,069	815	32.2
WY	119	1,856	1,397	101	4.2
CO	287	7,924	7,497	8,635	110.2
NM	119	6,791	4,597	2,231	38.1
AZ	37	2,088	1,800	1,395	25.8
UT	95	5,350	3,691	2,322	23.5
NV	144	3,104	2,856	757	23.5
Pac.:					
WA	234	46,686	44,536	5,323	24.0
OR	89	37,156	35,312	6,223	33.9
CA	1,269	72,957	65,941	32,255	23.9
AK	3,110	5,290	2,222	55	1.1
HI	25	20,200	20,068	1,193	25.5

[1] Includes overnight visitors.

Source: National Association of State Park Directors, Austin, TX, *Annual Information Exchange.*

No. 377. Personal Consumption Expenditures for Recreation: 1970 to 1987

[In **billions of dollars, except percent.** Represents market value of purchases of goods and services by individuals and nonprofit institutions]

TYPE OF PRODUCT OR SERVICE	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total recreation expenditures	**42.7**	**70.2**	**115.0**	**128.6**	**138.3**	**152.1**	**168.3**	**185.7**	**201.7**	**223.3**
Percent of total personal consumption [1]	6.7	6.9	6.6	6.7	6.7	6.8	6.9	7.1	7.2	7.4
Books and maps	2.9	3.6	5.6	6.2	6.6	7.2	7.8	8.1	8.6	9.7
Magazines, newspapers, and sheet music	4.1	6.4	10.4	11.0	11.4	12.0	12.7	13.2	13.9	15.8
Nondurable toys and sport supplies	5.5	9.0	14.6	16.0	16.8	18.0	19.7	21.1	23.1	26.8
Wheel goods, durable toys, sports equipment [2]	5.2	10.5	17.2	18.7	19.3	20.4	24.8	26.7	29.8	33.4
Radio and television receivers, records, and musical instruments	8.5	13.5	19.9	22.0	24.5	28.2	31.5	37.0	38.9	41.2
Radio and television repair	1.4	2.2	2.6	2.7	2.8	2.8	2.8	3.2	3.3	3.7
Flowers, seeds, and potted plants	1.8	2.7	4.0	4.4	4.5	4.8	5.2	5.5	6.1	6.7
Admissions to specified spectator amusements	3.3	4.3	6.5	6.9	7.8	8.6	9.5	9.5	10.2	11.1
Motion picture theaters	1.6	2.2	2.7	2.9	3.3	3.6	3.9	3.6	3.8	4.1
Legitimate theaters and opera, and entertainments of nonprofit institutions [3]	.5	.8	1.8	2.0	2.1	2.4	2.7	3.0	3.4	3.7
Spectator sports	1.1	1.3	2.0	2.0	2.3	2.6	2.9	2.9	3.1	3.3
Clubs and fraternal organizations [4]	1.5	1.9	3.0	3.4	3.8	4.2	4.5	4.8	5.0	5.4
Commercial participant amusements [5]	2.4	4.9	9.7	11.7	12.5	13.6	14.1	15.1	16.0	17.3
Pari-mutuel net receipts	1.1	1.7	2.1	2.2	2.2	2.3	2.6	2.6	2.6	2.7
Other [6]	5.1	9.7	19.4	23.4	26.0	30.0	33.1	38.9	44.1	49.3

[1] See table 693. [2] Includes boats and pleasure aircraft. [3] Except athletic. [4] Consists of dues and fees excluding insurance premiums. [5] Consists of billiard parlors; bowling alleys; dancing, riding, shooting, skating, and swimming places; amusement devices and parks; golf courses; sightseeing buses and guides; private flying operations and other commercial participant amusements. [6] Consists of net receipts of lotteries and expenditures for purchase of pets and pet care services, cable TV, film processing, photographic studios, sporting and recreation camps, and recreational services, not elsewhere classified.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–1982;* and *Survey of Current Business,* July issues.

NO. 378. AVERAGE ANNUAL EXPENDITURES OF ALL CONSUMER UNITS FOR ENTERTAINMENT AND READING, 1985 AND 1986, AND BY SELECTED CHARACTERISTICS, 1986

[In dollars, except as indicated. Based on Consumer Expenditure Interview Survey; see text, section 14, for description of survey. See also headnote, table 705]

YEAR AND CHARACTERISTIC	ENTERTAINMENT AND READING		ENTERTAINMENT [1]				Read-ing
	Total	Percent of total expenditures	Total	Fees and admissions	Television, radios, and sound equipment	Other equipment and services	
1985	1,226	5.5	1,085	320	355	409	141
1986, all consumer units	**1,227**	**5.4**	**1,087**	**308**	**373**	**406**	**140**
Age of reference person:							
Under 25 years old	739	5.4	672	207	273	192	67
25–34 years old	1,225	5.4	1,101	276	386	439	124
35–44 years old	1,835	6.2	1,657	451	529	678	178
45–54 years old	1,610	5.3	1,431	432	508	491	179
55–64 years old	1,216	5.1	1,060	305	341	414	156
65–74 years old	825	4.9	686	236	226	224	139
75 years old and over	391	3.3	299	98	148	53	92
Region of residence: Northeast	1,329	5.6	1,160	339	382	438	169
Midwest	1,124	5.3	985	295	341	348	139
South	1,127	5.2	1,014	267	363	384	113
West	1,424	5.7	1,268	363	422	483	156
Size of consumer unit: One person	687	5.2	585	202	226	158	102
Two persons	1,229	5.2	1,073	312	361	400	156
Three persons	1,483	5.6	1,338	308	456	574	145
Four persons	1,713	5.6	1,547	463	480	604	166
Five persons	1,672	5.8	1,512	399	519	594	160
Six persons or more	1,462	5.1	1,326	318	533	475	136
Income before taxes:							
Complete income reporters [2]	1,252	5.4	1,109	314	378	417	143
Under $5,000	599	5.3	535	141	207	187	64
$5,000–$9,999	474	4.1	396	102	175	119	78
$10,000–$14,999	706	4.7	605	138	267	200	101
$15,000–$19,999	948	5.2	834	195	289	350	114
$20,000–$29,999	1,198	5.2	1,052	283	369	400	146
$30,000–$39,999	1,686	6.0	1,513	363	496	653	173
$40,000 and over	2,546	5.8	2,282	756	694	832	264
Incomplete reporters of income	1,008	5.2	896	256	331	309	112

[1] Some expenditures for vacation trips are not included in this category, such as food, lodging, and vehicle expenses.
[2] A complete reporter is a consumer unit providing values for at least one of the major sources of income.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey, Interview Survey,* annual.

NO. 379. SPORTING GOODS SALES, BY PRODUCT CATEGORY: 1980 TO 1988

[In millions of dollars, except percent. Based on a sample survey of consumer purchases of 80,000 households, except recreational transport, which was provided by industry associations]

SELECTED PRODUCT CATEGORY	1980	1981	1982	1983	1984	1985	1986	1987	1988, proj.
Sales, all products	**16,691**	**18,725**	**18,684**	**23,111**	**26,401**	**27,446**	**30,614**	**33,732**	**35,142**
Annual percent change [1]	−1.4	12.2	−.2	23.7	14.2	4.0	11.5	10.2	4.2
Percent of retail sales	1.7	1.8	1.7	2.0	2.1	2.0	2.1	2.2	(NA)
Athletic and sport clothing [2]	**3,127**	**3,201**	**3,014**	**3,226**	**3,432**	**3,376**	**3,931**	**4,645**	[illegible]
Athletic and sport footwear [3]	**1,731**	**1,785**	**1,900**	**2,189**	**2,381**	**2,610**	**3,199**	**3,445**	[illegible]
Gym shoes, sneakers	465	616	659	639	669	656	642	693	787
Jogging and running shoes	397	372	421	557	591	572	476	475	451
Tennis shoes	359	284	287	340	371	470	448	401	341
Aerobic shoes	(NA)	(NA)	10	29	54	178	333	367	387
Basketball shoes	86	80	81	119	159	185	187	169	188
Golf shoes	68	78	99	115	110	109	120	130	139
Athletic and sport equipment [3]	**6,487**	**6,762**	**7,114**	**7,925**	**8,317**	**8,922**	**9,477**	**9,769**	**10,172**
Firearms and hunting	1,351	1,454	1,567	1,666	1,620	1,699	1,675	1,804	1,577
Fishing tackle	539	689	586	606	616	681	773	830	880
Camping	646	663	735	790	699	724	833	858	901
Golf	386	413	493	633	630	730	828	957	1,024
Snow skiing	379	307	332	386	502	593	622	661	713
Optics	(NA)	(NA)	(NA)	(NA)	294	309	359	375	384
Tennis	237	254	277	293	315	273	260	238	247
Archery	149	169	168	179	212	212	214	214	214
Baseball and softball	158	157	154	173	153	176	180	173	188
Water skis	123	123	106	133	146	125	132	148	157
Bowling accessories	107	107	103	106	108	106	114	129	133
Recreational transport	**5,345**	**6,977**	**6,656**	**9,771**	**12,271**	**12,539**	**14,007**	**15,873**	**18,547**
Bicycles and supplies	1,233	1,299	1,148	1,638	1,840	2,109	2,518	2,272	2,291
Pleasure boats	2,718	3,656	3,684	4,612	6,209	6,753	7,372	8,906	9,351
Recreational vehicles	1,178	1,820	1,701	3,368	4,082	3,515	3,940	4,507	4,705
Snowmobiles	216	202	123	153	140	182	177	188	200

NA Not available. [1] Change from prior year shown; for 1980, change from 1979. Minus sign (−) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Category does not completely cover all sales. [3] Includes other products not shown separately.

Source: National Sporting Goods Association, Mt. Prospect, IL, *The Sport Goods Market in 1987,* and prior issues. (Copyright)

No. 380. QUANTITY OF BOOKS SOLD AND VALUE OF U.S. DOMESTIC CONSUMER EXPENDITURES, BY TYPE OF PUBLICATION AND MARKET AREA: 1975 TO 1987

[Includes all titles released by publishers in the U.S. and imports which appear under the imprints of American publishers. Multi-volume sets, such as encyclopedias, are counted as one unit]

TYPE OF PUBLICATION AND MARKET AREA	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
UNITS SOLD (mil.)												
Total [1]	**1,541**	**1,666**	**1,768**	**1,799**	**1,856**	**1,895**	**1,924**	**2,045**	**2,012**	**2,044**	**2,071**	**2,122**
Hardbound, total	526	573	601	629	689	742	690	749	788	831	851	884
Softbound, total	1,015	1,093	1,166	1,170	1,167	1,153	1, 233	1,297	1,224	1,213	1,221	1,238
Trade	272	320	356	375	487	495	518	614	612	666	702	737
Adult	182	217	255	285	369	372	356	409	424	455	465	486
Juvenile	90	103	101	90	118	123	162	205	188	210	237	251
Religious	96	128	135	145	152	149	157	153	162	144	142	130
Professional	51	61	72	85	103	110	125	139	129	140	156	165
Bookclubs	195	215	202	158	127	126	121	121	111	107	103	104
Elhi text	257	242	244	246	217	218	220	222	231	238	231	210
College text	84	83	91	101	118	119	119	122	114	110	108	113
Mail order publications	85	108	117	130	145	162	136	121	103	111	111	115
Mass market paperbacks	491	500	539	548	495	506	517	542	541	519	509	540
General retailers	595	668	744	775	841	867	911	1,019	1,004	1,023	1,051	1,101
College stores	195	214	229	223	242	245	251	266	260	258	257	265
Libraries and institutions	73	78	82	87	93	89	88	89	90	94	96	99
Schools	309	299	285	289	271	260	257	253	262	270	264	245
Direct to consumers	286	326	344	347	328	346	320	309	284	285	282	290
Other	83	81	84	78	80	89	96	109	111	115	118	121
CONSUMER EXPENDITURES (mil. dol.)												
Total [1]	**4,969**	**6,300**	**7,231**	**7,948**	**8,854**	**9,906**	**10,549**	**12,012**	**12,837**	**14,072**	**15,052**	**16,653**
Hardbound, total	3,276	4,032	4,646	5,143	5,731	6,463	6,601	7,574	8,136	8,924	9,596	10,609
Softbound, total	1,693	2,268	2,585	2,805	3,123	3,444	3,949	4,438	4,701	5,148	5,456	6,044
Trade	1,092	1,439	1,659	1,856	2,349	2,695	2,824	3,481	3,810	4,486	4,936	5,810
Adult	866	1,180	1,379	1, 553	1,954	2,242	2,325	2,881	3,150	3,669	3,979	4,670
Juvenile	226	259	279	303	395	453	499	600	659	818	958	1,140
Religious	358	520	552	628	687	763	838	997	1,130	1,130	1,177	1,242
Professional	590	788	1,053	1,158	1,453	1,656	1,671	2,136	2,207	2,415	2,705	2,910
Bookclubs	336	414	472	490	473	497	504	530	519	544	557	627
Elhi text	663	753	834	932	860	931	1,002	1,108	1,251	1,420	1,522	1,621
College text	635	725	819	957	1,138	1,289	1,429	1,577	1,628	1,707	1,803	1,952
Mail order publications	321	426	472	531	592	686	588	552	569	597	599	606
Mass market paperbacks	651	897	981	1,011	987	1,098	1,199	1,338	1,433	1,479	1,458	1,580
General retailers	1,565	2,123	2,500	2,838	3,341	3,891	4,224	5,095	5,536	6,159	6,636	7,543
College stores	895	1,140	1,319	1,383	1,603	1,833	2,037	2,326	2,428	2,615	2,769	3,026
Libraries and institutions	452	561	652	747	846	887	964	1,037	1,110	1,227	1,338	1,453
Schools	845	945	1,014	1,113	1,176	1,191	1,266	1,384	1,522	1,709	1,829	1,956
Direct to consumers	1,118	1,411	1,616	1,749	1,764	1,959	1,897	1,985	2,018	2,113	2,211	2,373
Other	94	120	130	119	124	147	163	204	224	249	269	302

[1] Types of publications include university press publications and subscription reference works, not shown separately.

Source: Book Industry Study Group, Inc., New York, NY, *Book Industry Trends,* annual. (Copyright.)

No. 381. SELECTED CHARACTERISTICS OF READERS—PERCENT DISTRIBUTION: 1983

[Covers persons 16 years old and over. Book reader is one who read one or more books in the six months prior to the survey; a non-book reader read newspapers or magazines but no books in the previous six months; and a nonreader did not read a book, newspaper, or magazine. Based on a sample survey of 1,429 respondents. For composition of regions, see fig. I, inside front cover]

CHARACTERISTICS	Book reader	Non-book reader	Non-reader	CHARACTERISTICS	Book reader	Non-book reader	Non-reader
All persons	**50**	**44**	**6**	Educational attainment:			
Male	42	52	6	High school or less	40	53	8
Female	57	37	6	Some college	68	29	3
White	52	44	4	College or more	75	24	1
Other races	38	47	15	Household income:			
16-20 years	62	31	8	Less than $15,000	35	54	11
21-29 years	60	36	3	$15,000-$24,999	53	41	6
30-39 years	58	39	3	$25,000-$39,999	58	39	3
40-49 years	55	39	6	$40,000 and over	70	29	1
50-64 years	39	54	6	Region:			
65 years and over	29	61	10	Northeast	49	46	5
				Midwest	47	49	5
				South	48	45	7
				West	59	34	7

Source: Book Industry Study Group, Inc., New York, NY, *1983 Consumer Research Study on Reading and Book Purchasing.* (Copyright.)

NO. 382. NEW BOOKS AND NEW EDITIONS PUBLISHED, AND IMPORTS, BY SUBJECT: 1980 TO 1987

[Covers listings in Bowker's *Weekly Record* in year shown, plus titles issued in that year which were listed in following six mont Comprises new books (published for first time) and new editions (with changes in text or format). Excludes governm publications; books sold only by subscription; dissertations; periodicals and quarterlies; and pamphlets under 49 pages. See als *Historical Statistics, Colonial Times to 1970*, series R 191-216]

SUBJECT	NEW BOOKS AND NEW EDITIONS							IMPORTS					
	1980	1982	1983	1984	1985	1986	1987, prel.	1980	1983	1984	1985	1986	1987, prel.
Total	**42,377**	**[1] 46,935**	**53,380**	**51,058**	**50,070**	**52,637**	**45,401**	**5,390**	**5,918**	**6,337**	**7,304**	**7,749**	[illegible]
Agriculture	461	439	572	507	536	564	470	104	87	103	118	124	[illegible]
Art	1,691	1,722	1,896	1,836	1,545	1,697	1,280	157	137	61	166	168	[illegible]
Biography	1,891	1,752	2,135	2,098	1,953	2,152	1,818	126	150	240	216	186	[illegible]
Business	1,185	1,327	1,636	1,696	1,518	1,604	1,212	74	132	140	196	159	[illegible]
Education	1,011	1,046	1,059	1,052	1,065	1,029	869	133	140	190	211	220	[illegible]
Fiction	2,835	5,419	5,470	5,413	5,105	5,578	5,647	71	127	164	171	247	[illegible]
General works	1,643	2,398	2,767	3,021	2,905	2,484	2,117	132	241	266	329	348	[illegible]
History	2,220	2,177	2,296	2,257	2,327	2,471	2,250	286	291	324	395	384	[illegible]
Home economics	879	1,099	1,325	1,306	1,228	1,103	[2] 957	40	43	41	41	42	[illegible]
Juvenile	2,859	3,049	3,197	3,128	3,801	4,516	3,794	56	72	69	92	112	[illegible]
Language	529	576	669	670	632	668	514	134	160	179	216	334	[illegible]
Law	1,102	1,451	1,756	1,406	1,349	1,385	1,142	112	141	156	170	190	[illegible]
Literature	1,686	1,742	1,957	2,006	1,964	2,145	1,918	183	200	238	267	261	[illegible]
Medicine	3,292	3,229	4,002	3,554	3,579	3,445	3,339	671	474	508	598	666	[illegible]
Music	357	346	417	387	364	356	271	35	60	54	70	[2] 66	[illegible]
Philosophy, psychology	1,429	1,465	1,578	1,554	1,559	1,669	1,515	218	163	211	267	263	[illegible]
Poetry and drama	1,179	1,049	1,234	1,164	1,166	1,278	1,011	120	168	174	220	216	112
Religion	2,055	2,075	2,433	2,482	2,564	2,788	2,303	94	119	160	173	141	[illegible]
Science	3,109	3,124	3,620	3,236	3,304	3,360	2,755	1,069	1,042	1,032	1,242	1,214	[illegible]
Sociology, economics	7,152	7,449	8,470	7,794	7,441	7,912	6,491	1,050	1,294	1,373	1,559	1,635	1,212
Sports, recreation	971	1,191	1,335	1,299	1,154	1,192	1,068	85	136	137	107	110	[illegible]
Technology	2,337	2,328	2,994	2,639	2,526	2,698	2,164	373	481	454	419	618	[illegible]
Travel	504	482	562	551	465	543	496	55	60	61	61	46	[illegible]

[1] Increase is due largely to a major improvement in the recording of paperbound books. [2] Revised since orginally published.

Source: R. R. Bowker Co., New York, NY, *Publishers Weekly*. (Copyright by Reed Publishing.)

NO. 383. BOOKS AND PERIODICALS—AVERAGE RETAIL PRICES: 1980 TO 1987

[See headnote, table 382]

SUBJECT	BOOKS (per vol.)			
	1980	1985	1986	1987, prel.
Hardcover [1]	**$24.64**	**$31.46**	**$32.43**	**$35.35**
Agriculture	27.55	36.77	39.26	46.96
Art	27.70	35.15	35.41	38.43
Biography	19.77	22.20	22.96	24.33
Business	22.45	28.84	30.72	31.77
Education	17.01	27.28	28.11	31.33
Fiction	12.46	15.29	16.84	18.18
General reference	29.84	37.91	38.97	40.77
History	22.78	27.02	28.44	31.42
Home economics	13.31	17.50	18.97	20.34
Juvenile	8.16	9.95	10.64	11.59
Language	22.16	28.68	32.80	37.02
Law	33.25	41.70	49.20	47.61
Literature	18.70	24.53	25.73	28.38
Medicine	34.28	44.36	49.99	56.56
Music	21.79	28.79	32.59	36.63
Philosophy, psychology	21.70	28.11	29.65	32.49
Poetry and drama	17.85	22.14	25.11	28.22
Religion	17.61	19.13	21.60	24.22
Science	37.45	51.19	55.65	60.83
Sociology, economics	31.76	33.33	30.34	33.91
Sports, recreation	15.92	23.43	23.25	23.48
Technology	33.64	50.37	55.00	58.21
Travel	16.80	24.66	24.32	27.42
Paperbacks:				
Mass market [2]	(NA)	3.63	3.86	3.98
Trade or other	8.60	13.96	14.86	14.53

SUBJECT	PERIODICALS [3]			
	1980	1985	1986	1987, prel.
Total	**$34.54**	**$59.70**	**$65.00**	**$71.41**
Agriculture	15.24	26.05	28.71	31.14
Business and economics	25.42	44.41	47.15	50.39
Chemistry and physics	137.45	238.43	264.05	294.05
Children's periodicals	7.85	13.31	13.76	15.19
Engineering	49.15	84.38	92.66	103.40
Fine and applied arts	18.67	27.03	28.28	30.58
History	15.77	25.55	26.04	27.84
Home economics	24.63	41.04	45.59	48.67
Industrial arts	20.70	35.09	39.75	41.45
Journalism, communications	27.34	46.06	47.54	[illegible]
Labor and industrial relations	18.64	34.75	37.14	[illegible]
Law	23.00	35.15	38.44	[illegible]
Library and information science	23.25	40.66	42.82	46.42
Literature and languages	15.30	24.18	25.21	[illegible]
Mathematics, botany, geology, and general science	67.54	116.93	129.95	[illegible]
Medicine	73.37	137.92	151.77	[illegible]
Philosophy and religion	14.73	24.30	24.86	[illegible]
Education	23.45	37.81	40.47	[illegible]
Physical education and recreation	13.83	23.72	24.78	[illegible]
Political science	19.30	32.72	35.19	[illegible]
Psychology	41.95	76.34	83.71	[illegible]
Sociology and anthropology	27.56	50.87	56.31	60.29
Zoology	44.56	90.75	102.63	112.91
General interest periodicals	19.87	26.41	26.96	27.70

NA Not available. [1] Excludes publications of U.S. and other governmental units, books sold only by subscription, and dissertations. [2] "Pocket-sized" books sold primarily through magazine and news outlets, supermarkets, variety stores, etc. [3] Average annual subscription prices.

Source: R. R. Bowker Co., New York, NY. Books, *Publishers Weekly*, March 1988; *The Bowker Annual of Library and Book Trade Information*; Periodicals, *Library Journal*, April 15, 1987, and earlier issues. (Copyright by Reed Publishing.)

No. 384. PHONOGRAPH RECORDS AND OTHER RECORDING MEDIA—MANUFACTURERS' SHIPMENTS, AND VALUE, 1973 TO 1987

[Domestic shipments based on reports of manufacturers representing more than 85 percent of the market. Domestic value data based on list prices of records and other media]

TYPE OF MEDIA	1973	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
UNIT SHIPMENTS[1] (mil.)											
Total	**614.0**	**531.8**	**701.3**	**683.7**	**635.4**	**577.7**	**578.0**	**679.8**	**652.9**	**618.3**	**706.8**
Phonograph records	508.0	421.0	513.8	487.1	449.9	381.1	334.4	336.1	287.7	219.1	189.0
Long-playing albums[2]	280.0	257.0	318.3	322.8	295.2	243.9	209.6	204.6	167.0	125.2	107.0
Singles	228.0	164.0	195.5	164.3	154.7	137.2	124.8	131.5	120.7	93.9	82.0
Pre-recorded	106.0	110.8	187.5	196.6	185.5	196.6	242.8	337.9	342.6	346.2	415.1
8-track cartridges	91.0	94.6	104.7	86.4	48.5	14.3	6.0	5.9	3.5	1.7	(Z)
Cassettes	15.0	16.2	82.8	110.2	137.0	182.3	236.8	332.0	339.1	344.5	410.0
Cassette singles	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	5.1
Compact disks	(X)	(X)	(X)	(X)	(X)	(X)	.8	5.8	22.6	53.0	102.1
MANUFACTURERS' VALUE (mil. dol.)											
Total	**2,001.0**	**2,378.3**	**3,685.4**	**3,862.4**	**3,969.9**	**3,641.6**	**3,814.3**	**4,370.4**	**4,387.8**	**4,651.2**	**5,567.5**
Phonograph records	1,436.0	1,696.5	2,411.4	2,559.6	2,598.1	2,208.1	1,958.3	1,847.5	1,561.5	1,211.1	996.4
Long-playing albums[2]	1,246.0	1,485.0	2,136.0	2,290.3	2,341.7	1,925.1	1,689.0	1,548.8	1,280.5	983.0	793.1
Singles	190.0	211.5	275.4	269.3	256.4	283.0	269.3	298.7	281.0	228.1	203.3
Pre-recorded	565.0	681.8	1,274.0	1,302.8	1,371.8	1,433.5	1,838.8	2,419.6	2,436.8	2,510.0	2,977.5
8-track cartridges	489.0	583.0	669.4	526.4	309.0	49.0	27.9	35.7	25.3	10.5	3.5
Cassettes	76.0	98.8	604.6	776.4	1,062.8	1,384.5	1,810.9	2,383.9	2,411.5	2,499.5	2,959.7
Cassette singles	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	14.3
Compact disks	(X)	(X)	(X)	(X)	(X)	(X)	17.2	103.3	389.5	930.1	1,593.6

X Not applicable. Z Rounds to zero. [1] Units net after returns. [2] Includes extended play albums.

Source: Recording Industry Association of America, Inc., Washington, DC, *Inside the Recording Industry: A Statistical Overview—1987 Update* (copyright) and press releases.

No. 385. CONSUMER ELECTRONICS—SHIPMENTS AND RETAIL VALUE: 1986 AND 1987

[Compiled from reports of associations and manufacturers. Shipments represent number of units available for sale in the U.S., including imports. Retail value represents median price of product times the number of units shipped]

PRODUCT	MANUFACTURERS SHIPMENTS (1,000)		RETAIL VALUE (mil. dol.)	
	1986	1987	1986	1987
Audio/hifi:				
Components[1]	10,914	11,270	2,041	2,064
Receivers	1,843	1,957	483	505
Turntables (excl. OEM)	1,565	1,382	187	162
Speakers (components only)	3,789	3,971	535	570
Compact disc players	1,384	1,675	357	346
Cartridges (excl. OEM)	2,795	2,539	86	78
Headphones	3,425	3,534	140	149
Compact systems	2,484	2,554	421	433
Dual cassette/turntable	1,118	1,168	151	159
Personal portable stereos	8,369	8,578	422	438
Portable tape equipment	30,835	30,753	1,449	1,442
Racked systems	954	917	560	534
Radios	29,896	30,678	845	818
Mobile electronics:				
Autosound	21,626	22,981	2,022	2,183
Radar detectors	1,688	1,834	263	277
CB radios	1,884	1,997	146	153
Cellular telephones	265	331	423	509
Auto security systems	1,028	1,371	257	306
Home office:				
Calculators	31,318	33,827	727	836
Electronic typewriters	2,038	2,186	446	484
Personal computers	3,075	3,596	2,983	3,313
Monitors	950	998	190	197
Printers	1,568	1,599	1,071	1,039
Personal copiers	269	291	239	258
Facsimile machines	181	228	584	715
Electronics furniture	6,673	6,779	1,026	1,056
Specialty radios	8,154	8,408	477	490
Satellite earth stations	255	252	513	508
Software:				
Audio	268,500	327,570	451	582
Blank videotape[2]	276,438	280,551	1,161	1,075
Beta	34,795	29,576	145	100
VHS	240,643	249,475	1,003	958
Prerecorded videotape[2]	65,441	69,183	2,416	2,417
Beta	6,707	5,947	246	197
VHS	58,234	62,701	2,160	2,211
Videodiscs laser	10,040	11,722	326	377
Computer, blank floppy disks	425,000	545,403	680	764
Home computer software	18,175	20,674	495	527
Telephone equipment:				
Corded telephones	23,768	24,046	1,006	984
Cordless telephones	4,279	4,841	410	436
Telephone answering equipment	4,856	5,555	535	578
Video:				
TV, B&W	3,730	3,506	364	340
TV, color	18,855	19,774	7,632	7,913
TV, projection	315	295	664	657
Video cassette recorders	12,685	12,304	5,067	4,766
Video cameras	181	110	118	77
Video cassette players	150	182	28	28
Videodisc players	125	142	25	26

[1] Includes other products, not shown separately. [2] Includes 8mm videotapes, not shown separately.

Source: Dealerscope Merchandising, Philadelphia, PA, *Merchandising*, 66th Annual Statistical and Marketing Report, March 1988.

No. 386. Selected Spectator Sports: 1975 to 1987

[See also *Historical Statistics, Colonial Times to 1970*, series H 865-870 and H 872]

SPORT	Unit	1975	1980	1981	1982	1983	1984	1985	1986	1987
Baseball, major leagues: [1]										
Attendance	1,000	30,373	43,746	[2] 27,285	45,415	46,269	45,262	47,742	48,452	53,182
Regular season	1,000	29,789	43,014	[2] 26,544	44,587	45,540	44,742	46,824	47,506	52,011
National League	1,000	16,600	21,124	[2] 12,478	21,507	21,549	20,781	22,292	22,333	24,734
American League	1,000	13,189	21,890	[2] 14,066	23,080	23,991	23,961	24,532	25,173	27,277
Playoffs	1,000	276	407	403	443	425	248	591	624	784
World Series	1,000	308	325	338	385	304	272	327	322	387
Player's salaries: [3]										
Average	$1,000	45	144	186	241	289	329	371	413	412
Basketball: [4]										
Men's:										
College: [5]										
Teams	Number	(NA)	1,258	1,275	1,264	1,266	1,260	1,266	1,265	1,270
Attendance	1,000	(NA)	30,692	30,935	31,106	31,471	31,684	32,057	31,645	31,811
Women's:										
College:										
Teams	Number	(NA)	(NA)	(NA)	1,095	1,114	1,147	1,166	1,188	1,186
Attendance	1,000	(NA)	(NA)	(NA)	4,203	4,269	4,812	5,440	5,461	5,608
Pro: [6]										
Teams	Number	18	22	23	23	23	23	23	23	23
Attendance, total [7]	1,000	7,591	10,697	10,235	10,732	10,262	11,110	11,491	12,193	13,190
Regular season	1,000	6,892	9,938	9,449	9,989	9,638	10,015	10,506	11,215	12,065
Average per game	Number	9,339	11,017	10,021	10,593	10,220	10,620	11,141	11,893	12,795
Playoffs	1,000	685	740	765	727	606	1,096	985	979	1,091
Player's salaries:										
Average	$1,000	(NA)	170	171	212	249	275	325	375	440
Football:										
College: [5]										
Teams	Number	634	642	648	649	651	654	661	666	667
Attendance	1,000	31,688	35,541	35,807	36,539	36,302	36,652	36,312	36,388	36,463
National Football League: [8]										
Teams	Number	26	28	28	28	28	28	28	28	28
Attendance, total	1,000	10,769	14,092	14,326	[2] 8,504	13,953	14,053	14,058	17,304	[2] 15,180
Regular season	1,000	10,213	13,392	13,607	[2] 7,367	13,277	13,398	13,345	13,588	[2] 11,406
Average per game	Number	56,116	59,787	60,745	[2] 58,472	59,273	59,813	59,567	60,663	[2] 54,315
Postseason games [9]	1,000	556	700	719	[2] 1,137	676	655	711	734	656
Player's salaries: [10]										
Average	$1,000	40	79	90	102	127	158	193	203	212
Median	$1,000	(NA)	70	75	80	90	110	140	150	175
U.S. Football League, attendance [11]	1,000	(X)	(X)	(X)	(X)	2,681	4,394	3,295	2,380	(X)
North American Soccer League: [12]										
Teams	Number	20	24	21	14	12	9	(X)	(X)	(X)
Attendance	1,000	1,825	6,194	5,429	3,251	2,669	1,158	(X)	(X)	(X)
National Hockey League: [4] [13]										
Regular season attendance	1,000	9,522	[14] 10,534	10,726	10,710	11,021	11,359	11,633	11,621	11,856
Playoffs attendance	1,000	784	[14] 977	966	1,058	1,006	1,107	1,109	1,152	1,384
Player's salaries: [15]										
Average	$1,000	(NA)	108	120	124	130	145	145	158	(NA)
Horseracing: [16] [17]										
Racing days	Number	13,110	13,133	13,464	13,523	13,545	13,683	13,745	13,853	19,208
Attendance	1,000	78,662	74,690	75,463	76,858	75,693	74,076	73,346	70,580	70,105
Pari-mutuel turnover	Mil. dol	7,862	11,218	11,677	11,888	11,733	12,032	12,222	12,421	13,122
Revenue to government	Mil. dol	582	713	680	653	639	650	625	587	608
Greyhound: [16]										
Total performances	Number	3,960	5,855	6,379	6,499	8,257	8,661	9,590	10,654	11,156
Attendance	1,000	17,458	20,874	21,424	21,375	22,140	22,076	23,853	25,759	26,215
Pari-mutuel turnover	Mil. dol	1,261	2,064	2,173	2,179	2,306	2,421	2,702	3,005	3,193
Revenue to government	Mil. dol	91	152	152	160	170	177	201	215	221
Jai alai: [18]										
Teams	Number	9	9	12	12	12	12	12	16	16
Attendance	1,000	4,229	3,939	5,453	4,948	4,829	4,876	4,722	6,757	(NA)
Pari-mutuel turnover	Mil. dol	204.0	(NA)	(NA)	622.8	619.8	665.9	664.0	667.6	707.5
Professional rodeo: [19]										
Rodeos	Number	594	631	641	643	650	643	617	616	637
Performances	Number	1,817	1,921	1,941	1,936	1,964	1,936	1,887	1,866	1,832
Members	Number	3,651	5,114	5,391	5,461	5,353	5,324	5,239	5,603	5,342
Permit-holders (rookies)	Number	5,084	4,038	4,478	4,105	2,929	2,911	2,534	2,700	2,746

NA Not available. X Not applicable. [1] Source: The National League of Professional Baseball Clubs, New York, NY, *National League Green Book;* and The American League of Professional Baseball Clubs, New York, NY, *American League Red Book.* [2] Season was interrupted by strike. [3] Source: Major League Baseball Players Association, New York, NY.

[4] Season ending in year shown. [5] Source: National Collegiate Athletic Assn., Mission, KS. [6] Source: National Basketball Assn., New York, NY. Includes playoffs. [7] Includes All-Star game. [8] Source: National Football League, New York, NY.

[9] Includes Pro Bowl, a non-championship game and Super Bowl. [10] Source: National Football League Players Association, Washington, DC. [11] Source: U.S. Football League, New York, NY. League no longer in existence. [12] Source: North American Soccer League, New York, NY. League no longer in existence. [13] Source: National Hockey League, Montreal, Quebec.

[14] World Hockey Association ceased operation after 1978-1979 season. Four former WHA teams joined NHL in 1979-1980 season. [15] Source: National Hockey League Players Association, Toronto, Canada. [16] Source: Association of Racing Commissioners International, Inc., Lexington, KY. [17] Includes thoroughbred, harness, quarter horse, and fairs. [18] Florida only. Source: National Association of Jai-alai Frontons, Inc., Daytona Beach, FL. [19] Source: Professional Rodeo Cowboys Association, Colorado Springs, CO, *Official Professional Rodeo Media Guide*, annual. (Copyright.)

Source: Compiled from sources listed in footnotes.

No. 387. Selected Recreational Activities: 1970 to 1987

[See also *Historical Statistics, Colonial Times to 1970,* series H 862-864, H 871, H 874, and H 877]

ACTIVITY	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Softball, amateur: [1]										
Total participants [2]	Million	16	26	30	30	30	35	41	41	41
Youth participants	1,000	255	450	650	690	700	700	712	717	720
Adult teams [3]	1,000	29	66	110	133	146	146	152	172	177
Youth teams [3]	1,000	2	9	18	22	27	29	31	35	37
Golfers (1 round or more) [4]	1,000	11,245	13,036	15,112	16,003	16,514	17,009	17,520	20,000	21,700
Golf rounds played	1,000	266,169	308,562	357,701	378,791	390,886	402,603	414,777	421,000	434,000
Golf facilities	Number	10,188	11,370	12,005	12,140	12,197	12,278	12,346	12,384	12,407
Classification:										
Private	Number	4,619	4,770	4,839	4,798	4,809	4,831	4,861	4,885	4,898
Daily fee	Number	4,248	5,014	5,372	5,494	5,528	5,566	5,573	5,587	5,583
Municipal	Number	1,321	1,586	1,794	1,848	1,860	1,881	1,912	1,912	1,926
Tennis: [5]										
Players	1,000	10,655	[6] [7] 29,201	(NA)	[6] 25,450	(NA)	[8] 19,456	[8] 18,951	[8] 18,017	[8] 16,911
Courts	1,000	(NA)	130	(NA)	185	200	220	220	220	220
Indoor	1,000	(NA)	8	(NA)	11	13	14	14	14	14
Tenpin bowling:										
Participants, total [9]	Million	51.8	62.5	72.0	68.9	(NA)	67.0	67.0	67.0	68.0
Male	Million	24.8	29.9	34.0	32.2	(NA)	32.0	32.0	32.0	33.1
Female	Million	27.0	32.6	38.0	36.7	(NA)	35.0	35.0	35.0	34.9
Establishments [10]	Number	9,140	8,577	8,591	8,481	8,404	8,351	8,275	8,149	8,031
Lanes [10]	1,000	141	141	154	154	154	155	155	153	151
Membership, total [10] [11]	1,000	7,733	8,751	9,595	9,550	9,269	8,401	8,064	7,839	7,421
American Bowling Congress	1,000	4,210	4,300	4,688	4,685	4,556	3,791	3,657	3,625	3,424
Women's Bowling Congress	1,000	2,988	3,692	4,118	4,065	3,947	3,866	3,714	3,551	3,351
Young American Bowling Alliance [12]	1,000	535	759	789	800	765	744	693	663	646
Motion picture theaters [13] [14]	1,000	14	15	18	18	19	20	21	23	24
Four-wall	1,000	10	11	14	15	16	17	18	20	21
Drive-in	1,000	4	4	4	3	3	3	3	3	3
Receipts, box office	Mil. dol	1,225	2,115	2,749	3,453	3,766	4,031	3,749	3,778	4,253
Admission, average price	Dollars	1.55	2.05	2.69	2.94	3.15	3.36	3.55	3.71	3.91
Attendance	Million	921	1,033	1,022	1,175	1,197	1,199	1,056	1,017	1,089
Bicycles: [15]										
Domestic shipments	Million	5.0	5.6	6.9	5.2	6.3	5.9	5.8	5.3	5.2
Imports	Million	1.9	1.7	2.0	1.6	2.7	4.2	5.6	7.0	7.4
Boating: [16]										
Recreational boats owned	Million	8.8	9.7	11.8	12.9	13.0	13.5	13.8	14.3	14.8
Outboard boats	Million	5.2	5.7	6.8	7.1	7.2	7.3	7.4	7.6	7.8
Inboard boats	Million	.6	.8	1.2	1.3	1.3	1.4	1.4	1.5	1.7
Sailboats	Million	.6	.8	1.0	1.1	1.1	1.1	1.2	1.2	1.2
Canoes	Million	2.4	2.4	1.3	1.5	1.6	1.7	1.8	1.9	2.0
Rowboats and other	Million			1.5	1.9	1.6	1.8	1.8	1.9	2.1
Expenditures, total [17]	Bil. dol	3.4	4.8	7.4	8.1	9.4	12.3	13.3	14.5	16.5
Outboard motors in use	1,000	7,215	7,649	8,241	8,776	9,051	9,400	9,733	10,081	10,469
Motors sold	1,000	430	435	315	293	337	411	392	410	444
Value, retail	Mil. dol	281	411	554	759	964	1,294	1,319	1,464	1,726
Outboard boats sold	1,000	276	328	290	236	273	317	305	314	342
Value, retail	Mil. dol	177	263	408	409	502	708	759	835	1,001
Inboard/outdrive boats sold	1,000	43	70	56	55	79	108	115	120	144
Value, retail	Mil. dol	182	420	616	686	975	1,442	1,663	1,861	2,450
All terrain vehicles:										
Vehicles in use or owned [18]	1,000	(NA)	(NA)	(NA)	(NA)	1,100	1,600	2,000	2,300	2,475
Imports [19]	1,000	(NA)	(NA)	(NA)	275	430	635	683	498	317
Snowmobiles: [20]										
Factory sales	1,000	172	144	62	29	27	32	30	36	37
Apparent consumption [21]	1,000	405	145	86	55	53	68	61	65	71

NA Not available. [1] Source: Amateur Softball Association, Oklahoma City, OK. [2] Amateur Softball Association teams and other amateur softball teams. [3] Amateur Softball Association teams only. [4] Source: National Golf Foundation, North Palm Beach, FL. [5] Source: U.S. Tennis Association, Princeton, NJ. [6] Survey by A. C. Nielsen Co. [7] 1976 data. [8] Based on National Sporting Goods Association Sports Participation Survey. [9] For season ending in year shown. Persons 5 years old and over. Source: National Bowling Council, Washington, DC. [10] Source: American Bowling Congress, Greendale, WI. Season ending in year shown. [11] Membership totals are for U.S., Canada and for U.S. military personnel worldwide. [12] Prior to 1982, represents American Jr. Bowling Congress and ABC/WIBC Collegiate Division. [13] Source: Motion Picture Association of America, Inc., New York, NY. [14] Prior to 1975, figures represent theaters; thereafter, screens. [15] Source: Bicycle Manufacturers Association of America, Inc., Washington, DC. [16] Source: National Marine Manufacturers Association, Chicago, IL. [17] Represents estimated expenditures for new and used boats, motors, accessories, safety equipment, fuel, insurance, docking, maintenance, storage, repairs, and other expenses. [18] Source: Specialty Vehicle Institute of America, Costa Mesa, CA. [19] Source: Motorcycle Industry Council, Inc., Costa Mesa, CA. [20] Source: U.S. International Trade Commission. Estimated. [21] Factory sales plus imports minus exports.

Source: Compiled from sources listed in footnotes.

No. 388. Participation in Sports Activities, by Selected Characteristics: 1987

[For persons 7 years of age or older. Except as indicated, a participant plays a sport more than once in the year. Based on a sampling of 10,000 households]

Activity	All persons		Sex		Age						Household income (dol.)				
	Number	Rank	Male	Female	7-11 yrs.	12-17 yrs.	18-24 yrs.	25-34 yrs.	35-54 yrs.	55 yrs. and over	Under 15,000	15,000-24,999	25,000-34,999	35,000-49,999	Over 50,000
Total (1,000)	**216,963**	(X)	**104,968**	**111,976**	**16,707**	**20,637**	**27,312**	**43,092**	**57,537**	**51,678**	**53,807**	**42,362**	**40,453**	**40,651**	**39,788**
Percent participated in:															
Aerobic exercising [1]	10.7	10	3.2	17.7	5.2	12.3	18.6	16.3	10.0	3.6	7.2	10.4	11.1	12.7	13.1
Backpacking/wilderness camping	4.1	23	5.1	3.2	3.0	8.4	7.0	5.8	3.4	.6	3.3	3.9	4.3	4.3	5.1
Baseball	7.0	17	11.5	2.8	20.7	23.2	9.4	5.7	3.1	.3	4.6	6.7	8.5	8.4	7.6
Basketball	11.6	7	17.1	6.3	21.9	40.2	18.7	12.0	4.5	.4	7.6	10.6	13.0	14.8	13.1
Bicycle riding [1]	24.5	3	24.7	24.4	55.5	48.4	26.5	25.4	16.9	9.5	16.5	23.2	27.0	29.4	29.5
Calisthenics [1]	7.9	15	7.4	8.3	10.9	17.3	11.3	9.0	5.2	3.4	5.2	8.3	8.6	8.5	9.7
Camping (vacation/overnight)	20.4	4	22.3	18.5	29.6	28.9	22.8	26.9	19.0	8.7	14.8	21.0	27.4	20.7	19.8
Dart throwing	6.0	19	7.9	4.3	5.4	9.1	11.7	10.2	4.0	.8	4.7	7.2	7.2	6.3	5.2
Exercise walking [1]	26.8	2	19.6	33.5	12.0	14.1	22.2	28.3	32.9	30.8	25.0	25.3	26.8	27.9	29.5
Exercising with equipment [1]	16.0	6	17.7	14.5	3.9	21.5	27.5	23.2	14.5	7.4	10.4	15.5	17.5	18.4	20.3
Fishing—fresh water	18.5	5	25.1	12.4	23.0	22.8	21.5	22.3	18.3	10.9	15.6	18.3	22.3	21.1	16.3
Fishing—salt water	5.8	20	8.2	3.5	3.4	6.0	5.8	6.7	7.1	4.1	4.1	4.3	6.5	6.3	8.4
Football	6.9	18	12.3	1.9	13.2	26.2	14.3	6.4	1.3	-	4.7	6.7	8.2	8.8	6.9
Golf	9.3	13	14.5	4.5	2.8	8.4	13.5	12.2	9.6	7.0	4.3	7.5	9.3	11.2	16.2
Hiking	8.0	14	8.6	7.5	8.2	9.3	10.7	10.6	8.1	3.9	5.5	8.3	9.0	8.7	9.5
Hunting/shooting with firearms	9.5	12	16.7	2.8	3.8	10.2	14.3	15.1	9.8	3.7	7.8	10.1	12.2	10.4	7.7
Racquetball	3.6	24	5.3	2.0	.8	6.0	9.7	6.3	1.8	.3	1.9	2.9	4.6	4.1	5.2
Running/jogging [1]	11.4	8	13.6	9.5	13.5	26.5	20.4	15.3	7.2	1.6	8.0	11.0	12.7	11.8	15.0
Skiing—alpine/downhill	4.7	21	5.8	3.7	1.8	9.6	10.6	7.4	2.9	.4	1.5	3.1	5.2	6.2	8.8
Skiing—cross country	2.3	25	2.4	2.2	1.3	3.4	2.4	3.5	2.9	.5	1.1	1.8	3.1	2.4	3.7
Soccer	4.5	22	5.9	3.3	21.4	19.9	3.4	1.6	.9	-	2.0	4.5	4.2	6.2	6.7
Softball	9.9	11	12.3	7.7	16.4	22.5	16.8	13.9	5.9	.4	5.9	10.1	11.2	12.9	10.8
Swimming [1]	30.5	1	29.7	31.1	52.4	53.3	38.9	33.1	26.4	12.1	20.2	28.1	32.5	37.3	37.8
Tennis	7.8	16	8.9	6.8	6.1	16.7	14.4	9.8	6.2	1.4	3.8	6.8	7.7	10.5	11.6
Volleyball	10.9	9	11.2	10.6	11.8	31.8	17.1	14.7	6.4	.8	6.8	10.5	12.7	14.4	11.4

- Represents or rounds to zero. X Not applicable. [1] Participant engaged in activity at least six times in the year.

Source: National Sporting Goods Association, Mt. Prospect, IL, *Sports Participation in 1987: Series I.* (Copyright.)

No. 389. ADULT PARTICIPATION IN RECREATION AND EXERCISE ACTIVITIES, BY SELECTED TYPE AND SEX: 1987

[As of fall 1987. Based on national sample survey of 3,118 persons 18 years old and over. Refers to persons who participated in each activity at least once in the previous 12 months]

ACTIVITY	Total (mil.)	Percent	ACTIVITY	Male (mil.)	Percent	ACTIVITY	Female (mil.)	Percent
Swimming	72	41	Swimming	36	43	Swimming	37	40
Bicycling	54	31	Fishing	35	42	Bicycling	29	32
Fishing	53	30	Bicycling	24	29	Aerobics, dancercize	22	24
Bowling	40	23	Pool, billiards	23	28	Bowling	21	23
Hiking	39	22	Basketball	22	26	Hiking	19	21
Camping	37	21	Weight training (net) [1]	22	26	Fishing	18	20
Weight training (net) [1]	35	20	Softball	21	25	Camping	17	19
Pool, billiards	33	19	Camping	20	24	Calisthenics	16	17
Softball	33	19	Hiking	20	24	Jogging, running	14	15
Jogging, running	30	17	Bowling	19	23	Volleyball	14	15
						Weight training (net) [1]	14	15

[1] Any form of weight training including such things as weight lifting and body building.

Source: The Gallup Organization, Princeton, NJ, release, February 7, 1988.

No. 390. HOUSEHOLD PARTICIPATION IN LAWN AND GARDEN ACTIVITIES—SUMMARY: 1983 TO 1987

[Based on national sample survey conducted by the Gallup Organization. For the 1987 survey, a total of 2,602 households were personally interviewed at home. Subject to sampling variability; see source]

ACTIVITY	1983	1984	1985	1986	1987
Number of households (mil.)	84.5	85.4	87.9	88.5	89.5
Percent of households engaged in—					
Lawn care	63	63	64	58	59
Indoor houseplants	43	46	42	41	41
Flower gardening	47	47	41	44	43
Vegetable gardening	42	40	37	38	33
Shrub care	35	36	30	31	33
Insect control	32	38	27	33	30
Landscaping	23	25	23	22	24
Tree care	25	26	20	24	25
Flower bulbs	25	27	19	24	27
Fruit trees	20	18	17	17	18
Raising transplants [1]	15	17	11	13	15
Growing berries	12	11	7	8	9
Ornamental gardening	7	9	7	6	8
Herb gardening	(NA)	(NA)	(NA)	6	7
Container gardening	(NA)	(NA)	(NA)	12	12
Total retail sales (mil. dol.)	**11,925**	**14,243**	**12,026**	**14,206**	**17,491**

CHARACTERISTIC OF RESPONDENT	1987, PERCENT DISTRIBUTION	
	Households	Sales
Total	**100.0**	**100.0**
18–29 years old	24	21
30–49 years old	40	49
50 years old and over	36	30
Northeast	22	25
Midwest	27	23
South	30	29
West	21	23
City	23	16
Suburb	35	42
Small town	11	10
Rural	30	32

NA Not available. [1] Starting plants in advance of planting in ground.

Source: The National Gardening Association, Burlington, VT, *National Gardening Survey*, annual. (Copyright.)

No. 391. SPORT FISHING AND HUNTING LICENSES—NUMBER AND COST: 1970 TO 1986

[For fiscal years ending in year shown; see text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series H 875–876]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Fishing licenses: Sales	**Million**	**31.1**	**34.7**	**32.8**	**35.4**	**35.2**	**37.9**	**37.2**	**37.8**	**36.1**	**35.7**	**35.9**
Resident	Million	26.8	30.0	27.9	30.3	30.1	32.6	32.1	32.5	31.0	30.5	30.4
Nonresident	Million	4.3	4.7	4.9	5.1	5.1	5.3	5.1	5.3	5.1	5.2	5.4
Paid license holders [1]	Million	24.4	27.5	26.2	27.9	28.0	29.3	29.6	29.1	29.0	29.7	30.4
Cost to anglers	Mil. dol	91	142	159	174	196	213	227	244	260	282	302
Hunting licenses: Sales	**Million**	**22.2**	**25.9**	**25.8**	**26.4**	**27.0**	**27.9**	**28.3**	**28.9**	**28.5**	**27.7**	**27.9**
Resident	Million	21.0	24.7	24.4	25.0	25.6	26.4	26.7	27.2	26.8	26.1	26.3
Nonresident	Million	1.2	1.3	1.4	1.4	1.4	1.5	1.6	1.7	1.7	1.6	1.7
Paid license holders [1]	Million	15.4	16.6	16.3	16.6	16.3	16.6	16.7	16.4	16.0	15.9	15.8
Cost to hunters	Mil. dol	102	155	185	199	222	242	259	277	292	301	323
Federal duck stamps sold	**1,000**	**2,072**	**2,222**	**2,209**	**2,216**	**2,090**	**2,045**	**1,907**	**1,926**	**1,868**	**1,914**	**1,779**

[1] Resident and nonresident. Includes multiple counting of license holders who bought nonresident licenses as well as a home State license. "Licenses" includes licenses, tags, permits and stamps.

Source: U.S. Fish and Wildlife Service, *Federal Aid in Fish and Wildlife Restoration*, annual.

NO. 392. SPORTSMEN—SELECTED CHARACTERISTICS: 1980 AND 1985

[**Covers persons 16 years old and over.** Sportsmen are anyone who fished or hunted. Based on the National Surveys of Fishing, Hunting, and Wildlife-Associated Recreation conducted by the Bureau of the Census. For composition of divisions, see fig. I, inside front cover]

CHARACTERISTIC	NUMBER (1,000)		PERCENT OF POPULATION WHO PARTICIPATED		CHARACTERISTIC	NUMBER (1,000)		PERCENT OF POPULATION WHO PARTICIPATED	
	1980	**1985**	**1980**	**1985**		**1980**	**1985**	**1980**	**1985**
Total persons	**46,713**	**50,288**	**27**	**28**	New England	1,900	2,057	20	21
					Middle Atlantic	5,044	5,566	18	19
16–17 years old	2,761	2,549	32	33	East North Central	8,713	8,925	28	29
18–24 years old	8,627	7,474	30	29	West North Central	4,718	5,091	37	38
25–34 years old	13,022	13,552	35	34	South Atlantic	7,902	8,851	28	28
35–44 years old	8,413	11,105	32	33	East South Central	3,651	3,726	34	33
45–54 years old	5,981	6,407	27	27	West South Central	5,800	6,565	33	34
55–64 years old	4,683	5,272	22	23	Mountain	2,808	3,149	33	33
65 years old and over	3,226	3,930	13	14	Pacific	6,177	6,359	25	24
					Household income:				
Male	33,243	34,828	41	41	Under $10,000	7,060	5,161	20	19
Female	13,469	15,461	15	16	$10,000–$19,999	12,249	10,815	30	27
					$20,000–$24,999	7,754	4,974	35	30
White	43,161	46,582	29	30	$25,000–$29,999	5,848	7,885	36	31
Black	2,709	2,521	15	14	$30,000–$49,999	6,574	13,320	34	33
Other races	843	1,185	18	18	$50,000 and over	1,691	6,301	29	30
					Not reported	5,536	1,832	19	20

Source: 1980, U.S. Fish and Wildlife Service and U.S. Bureau of the Census, *1980 National Survey of Fishing, Hunting, and Wildlife-Associated*; and 1985, U.S. Fish and Wildlife Service, *1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation.*

NO. 393. FISHERMEN AND HUNTERS—SUMMARY: 1985

[See headnote, table 392]

TYPE OF FISHING	FISHERMEN		Days of fishing (mil.)	Expenditures (mil. dol.)	TYPE OF HUNTING	HUNTERS		Days of hunting (mil.)	Expenditures (mil. dol.)
	Number (1,000)	Percent of population				Number (1,000)	Percent of population		
Total, all fishing	**[1] 46,357**	**26**	**977**	**[2] 28,146**	**Total, all hunting**	**[1] 16,684**	**9**	**334**	**[2] 10,059**
All freshwater fishing	[1] 39,823	22	822	[2] 19,383	Big game	12,520	7	131	5,967
Freshwater, except Great Lakes	38,433	21	786	17,795	Small game	10,831	6	132	1,815
Great Lakes	3,766	2	46	1,560	Migratory bird	5,036	3	42	1,090
Saltwater	13,709	8	155	7,243	Other animals	2,837	2	47	356

[1] Type of fishing/hunting will not add to the total since each respondent may have reported under more than one category.
[2] Totals include expenditures not specified by type.

Source: U.S. Fish and Wildlife Service, *1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation*.

NO. 394. WILDLIFE-ASSOCIATED RECREATION EXPENDITURES, BY TYPE OF ACTIVITY AND EXPENDITURE: 1985

[See headnote, table 392]

TYPE OF EXPENDITURE	EXPENDITURES (mil. dol.)				EXPENDITURE PER PARTICIPANT (dol.)			
	Total	Fishing	Hunting	Nonconsumptive [1]	Total	Fishing	Hunting	Nonconsumptive [1]
Total [2]	**[3] 55,660**	**28,146**	**10,059**	**14,287**	**[3] 397**	**607**	**603**	**106**
Food and lodging	10,063	5,666	1,884	2,513	72	122	113	19
Transportation	7,030	3,730	1,613	1,688	50	80	97	13
Other trip costs	4,333	3,885	218	229	31	84	13	2
Licenses, stamps, tags, permits	(NA)	379	435	(NA)	(NA)	8	26	(NA)
Equipment	9,152	2,787	2,750	3,615	65	60	165	27
Auxiliary equipment	[3] 1,833	482	688	507	[3] 13	10	41	4
Special equipment	[3] 19,924	10,267	1,495	5,234	[3] 142	221	90	39

NA Not available. [1] Observing, photographing, and feeding wildlife. [2] Includes expenditures for magazines, membership dues and contributions, and land leasing and ownership not shown separately. [3] Includes expenditures not specified by type of activity.

Source: U.S. Fish and Wildlife Service, *1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation*.

No. 395. Boy Scouts and Girl Scouts—Membership and Units: 1960 to 1987

[In **thousands**. Boy Scouts as of **Dec. 31**; Girl Scouts as of **Sept. 30**. Current age requirements for each category are in parentheses. Includes Puerto Rico and outlying areas]

ITEM	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
BOY SCOUTS OF AMERICA												
Membership	**5,165**	**5,733**	**6,287**	**5,318**	**4,318**	**4,355**	**4,542**	**4,689**	**4,755**	**4,845**	**5,171**	**5,347**
Boys	3,783	4,231	4,683	3,933	3,207	3,244	3,425	3,567	3,657	3,755	4,037	4,179
Tiger cubs (6 yr. old)	(X)	(X)	(X)	(X)	(X)	(X)	84	124	145	169	260	291
Cub Scouts (7–10 yr. old)	1,865	2,064	2,438	1,997	1,696	1,643	1,609	1,569	1,493	1,499	1,714	1,819
Boy Scouts (11–17 yr. old)	1,647	1,850	1,916	1,503	1,064	1,101	1,126	1,116	1,078	1,063	1,042	1,032
Explorers (14–20 yr. old) [1]	271	317	329	434	447	499	606	758	941	1,024	1,021	1,037
Adults	1,382	1,502	1,604	1,385	1,110	1,111	1,117	1,122	1,098	1,090	1,134	1,168
Total units (packs, troops, posts)	130	145	157	150	129	130	132	134	135	134	132	131
GIRL SCOUTS OF THE U.S.A.												
Membership	**3,419**	**3,647**	**3,922**	**3,234**	**2,784**	**2,829**	**2,819**	**2,888**	**2,871**	**2,802**	**2,917**	**2,947**
Girls [2]	2,646	3,030	3,248	2,723	2,250	2,276	2,247	2,281	2,247	2,172	2,248	2,274
Daisies (5 yr. old)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	61	114	137
Brownies (6–8 yr. old)	(3)	1,072	1,259	1,160	1,115	1,110	1,120	1,163	1,172	1,128	1,166	1,167
Juniors (9–11 yr. old)	(3)	1,416	1,509	1,188	894	916	874	847	801	735	725	705
Cadettes (12–14 yr. old)	(3)	443	395	301	172	170	169	176	170	151	143	132
Seniors (14–17 yr. old)	(3)	99	85	74	46	45	41	40	40	40	41	38
Adults	773	617	674	511	534	553	572	607	624	630	669	673
Total units (troops)	164	153	164	159	154	157	160	165	166	166	174	177

X Not applicable. [1] Both girls and boys are members. [2] Beginning 1980, includes girls registered in other categories, not shown separately. [3] Comparable data not available.

Source: Boy Scouts of America, National Council, Irving, TX, *Annual Report;* and Girl Scouts of the United States of America, New York, NY, *Annual Report.*

No. 396. Participation Rates for Various Arts Performances and Leisure Activities by Selected Characteristics: 1985

[Represents **percent** of population 18 years old and over who participated at least once in the 12 months prior to the survey. Based on a survey conducted by the Bureau of the Census for the National Endowment for the Arts]

CHARACTERISTIC	ATTENDED AT LEAST ONCE						Visited at least once—art museum or gallery	Read—novel, short stories, poetry, or plays
	Jazz performance	Classical music performance	Opera performance	Musical plays	Plays	Ballet performance		
Average	**10**	**13**	**3**	**17**	**12**	**4**	**22**	**56**
18-24 years old	14	11	2	15	11	4	22	57
25-34 years old	15	12	2	16	12	5	26	59
35-44 years old	10	16	4	21	14	6	27	62
45-54 years old	8	15	4	20	13	3	22	57
55-64 years old	5	11	3	18	10	4	19	50
65-74 years old	3	13	3	13	10	4	16	50
75 years old and over	1	10	1	8	7	2	10	48
Male	10	11	2	15	11	3	21	48
Female	9	14	3	19	12	5	23	63
White	9	14	3	18	12	5	23	58
Black	13	6	1	9	6	2	11	44
Other races	8	15	4	13	8	5	24	50
Northeast	8	13	4	20	14	5	21	57
Midwest	10	15	1	17	11	4	21	55
South	9	10	2	13	10	4	19	51
West	12	15	4	19	13	5	30	66
Household income, **1985**:								
Under $5,000	8	9	2	10	8	3	16	44
$5,000-$9,999	7	7	1	8	4	2	12	43
$10,000-$14,999	6	8	1	11	8	3	15	50
$15,000-$24,999	8	11	2	12	9	4	19	53
$25,000-$49,999	11	15	3	22	14	5	28	63
$50,000 and over	19	30	8	37	28	11	45	77
Not ascertained	9	12	2	17	11	3	19	56
Education:								
Grade school	1	3	1	3	1	1	4	23
Some high school	3	3	1	6	4	1	7	37
High school graduate	7	7	1	12	6	2	14	52
Some college	13	15	3	21	15	6	30	72
College graduate	18	29	6	34	26	9	45	78
Graduate school	24	41	11	40	36	15	56	80

Source: U.S. National Endowment for the Arts, *1985 Survey of Public Participation in the Arts.*

No. 397. Performing Arts—Selected Data: 1970 to 1987

[Receipts and expenditures in millions of dollars. For season ending in year shown, except as indicated]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	19
Legitimate theater: [1]											
Broadway shows:											
New productions	62	59	47	67	67	53	50	36	31	33	[illegible]
Playing weeks [2] [3]	1,047	1,101	1,472	1,541	1,545	1,461	1,259	1,119	1,062	1,049	[illegible]
Number of tickets sold (1,000)	(NA)	(NA)	9,115	9,380	10,822	10,694	8,102	7,898	7,156	6,527	[illegible]
Gross box office receipts	53.3	57.4	128.1	143.4	194.5	221.2	203.1	226.5	208.0	190.6	[illegible]
Road shows:											
Playing weeks [3]	1,024	799	1,192	1,351	1,343	1,317	990	1,057	993	880	[illegible]
Gross box office receipts	48.0	50.9	148.9	181.2	218.9	249.5	184.3	206.2	225.9	235.6	[illegible]
Opera companies [4]	645	807	986	986	1,019	983	1,031	1,061	1,123	1,176	[illegible]
Major [5]	35	54	95	109	127	133	144	154	168	170	[illegible]
Expenditures	36.5	(NA)	111.5	133.6	161.6	191.1	212.4	236.7	256.5	270.3	[illegible]
Other companies	266	330	456	458	456	416	488	491	576	602	[illegible]
Workshops [6]	347	418	415	419	436	444	399	406	379	404	[illegible]
Opera performances	4,779	6,428	8,554	9,391	9,683	9,510	10,680	10,421	10,642	11,080	[illegible]
Operas performed	341	387	498	497	559	571	590	576	578	590	[illegible]
Musical performances [7]	(NA)	(NA)	1,430	1,397	2,251	2,230	2,740	2,787	4,063	6,863	[illegible]
Musicals performed [7]	(NA)	(NA)	72	104	118	122	120	128	242	201	[illegible]
World premieres	17	16	64	79	88	84	96	101	121	118	[illegible]
Attendance (mil.)	4.6	8.0	9.9	10.7	11.1	10.1	12.7	13.0	14.1	14.4	[illegible]
Symphony orchestras [8]	1,441	1,463	1,540	1,572	1,572	1,572	1,572	1,572	1,572	1,572	[illegible]
College	288	300	379	385	385	385	386	380	371	371	[illegible]
Community [9]	1,019	1,003	909	926	926	919	920	935	946	927	[illegible]
Urban	24	41	79	85	85	94	101	89	89	93	[illegible]
Metropolitan	72	90	113	115	115	110	98	98	96	107	[illegible]
Regional	(10)	(10)	29	29	30	34	37	40	40	43	[illegible]
Major	38	29	31	32	31	30	30	30	30	31	[illegible]
Concerts	6,599	14,171	22,098	22,229	19,327	19,204	19,167	19,086	19,969	20,272	[illegible]
Attendance (mil.)	12.7	18.3	22.4	22.6	22.8	22.0	22.0	23.2	23.7	25.4	[illegible]
Gross income	73.3	124.5	216.8	246.3	288.9	325.5	348.9	379.0	435.4	460.5	[illegible]
Earned income	43.1	70.9	122.6	141.2	163.3	187.6	201.8	220.2	250.7	262.4	[illegible]
Contributed income	30.2	53.6	94.2	105.1	125.6	137.9	147.1	158.8	184.7	198.1	[illegible]
Gross expenses	76.4	129.5	201.0	252.1	289.3	315.3	352.2	389.8	441.8	491.2	[illegible]

NA Not available. [1] Source: *Variety*, New York, NY, various June issues (copyright). [2] All shows (new productions and holdovers from previous seasons). [3] Eight performances constitute one playing week. [4] Source: Central Opera Service, New York, NY, *Central Opera Service Bulletin*, periodic. [5] Companies with budgets of over $100,000 and issue American Guild of Musical Artists (AGMA) contracts to soloists. [6] Workshops are primarily college and university opera groups. [7] Covers not-for-profit companies only. [8] Source: American Symphony Orchestra League, Inc., Washington, DC. For years ending Aug. 31. Orchestras other than college groups are principally defined by their annual budgets. As of 1987, community, under $135,000; urban, $135,000-$280,000; metropolitan, $280,000-$1,000,000; regional, $1,000,000-$3,600,000; and major, over $3,600,000. Prior to 1987, other budget classifications were in effect. [9] Beginning 1979, includes youth and chamber groups with budgets under $70,000. [10] Classification began in 1976.

Source: Compiled from sources listed in footnotes.

No. 398. Financial Support of the Arts by Private Corporate Business—Summary: 1983 to 1985

[In millions of dollars]

TYPE OF ART CATEGORY	1983	1984	1985	TYPE OF ART CATEGORY	1983	1984	19
Direct cash support	451.6	482.4	559.0	Historic and cultural preservation projects	8.4	9.7	[illegible]
Museums	99.8	104.5	133.2	Libraries	4.2	4.8	[illegible]
Symphony orchestra	61.0	66.8	79.8	Commercial TV and radio, cultural programming	6.0	6.5	[illegible]
Performing arts and cultural facilities	82.0	52.0	99.4	Public TV and radio, general support	7.4	16.5	[illegible]
Theaters	23.0	67.2	49.5	Crafts	.3	2.3	[illegible]
Art funds—general support	9.2	28.5	37.9				
Other music	20.7	25.3	30.2	Artist-in-residence programs	.6	1.1	[illegible]
Dance	18.2	20.7	25.4	Poetry and writing	.4	1.4	[illegible]
Public TV and radio, program underwriting	14.8	17.9	23.6	Video projects (non-commercial)	.4	.2	[illegible]
Opera	48.0	24.8	22.7	Folk art	.2	-	-
Films (non-commercial)	9.7	15.7	13.2	Other (excluding commercial activities)	23.7	12.7	[illegible]
Arts-in-education programs	13.6	3.8	11.8				

- Represents or rounds to zero.

Source: Business Committee for the Arts, New York, NY, press release.

No. 399. Arts and Humanities—Selected Federal Aid Programs: 1970 to 1987

[In millions of dollars, except as indicated. For fiscal years ending in year shown, see text, section 9]

TYPE OF FUND AND PROGRAM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
National Endowment for the Arts:										
Funds available [1]	15.7	86.9	188.1	151.9	133.4	147.5	169.9	171.7	167.1	170.9
Program appropriation	6.3	67.3	97.0	114.0	103.3	101.7	119.0	118.7	115.7	120.8
Matching funds [2]	2.0	7.5	42.9	34.9	14.2	24.9	27.4	29.5	30.0	29.3
Grants awarded (number)	556	3,071	5,505	6,475	5,090	5,174	5,056	4,801	4,484	4,542
Funds obligated	12.9	81.7	166.4	150.7	117.7	127.0	147.4	149.4	146.6	151.4
Music	2.5	14.9	13.6	16.2	14.1	12.9	15.2	15.3	14.6	15.1
State arts agencies	1.9	14.7	22.1	23.7	21.3	21.1	24.6	24.4	23.8	24.6
Museums	(NA)	10.8	11.2	13.2	11.5	10.0	12.5	11.9	11.5	11.5
Theater	2.6	6.4	8.4	10.8	9.6	9.5	10.7	10.6	10.2	10.8
Dance	1.7	6.1	8.0	9.1	8.5	9.1	9.1	9.0	9.0	9.1
Public media	.2	5.4	8.4	12.8	10.1	9.3	9.5	9.9	12.3	12.9
Challenge [3]	(X)	(X)	50.8	15.0	14.4	14.0	18.8	20.7	20.7	20.8
Visual arts	1.0	3.2	7.3	7.5	6.5	5.8	6.6	6.2	5.7	6.2
Other	2.8	20.1	36.6	42.4	35.8	35.1	40.6	41.3	38.8	40.4
National Endowment for the Humanities:										
Funds available [1]	13.0	86.0	186.2	144.4	[4]120.9	[5]123.5	127.3	125.6	121.1	128.4
Program appropriation	6.1	67.3	100.3	106.5	90.4	90.4	97.8	95.2	[6]91.9	[6]95.8
Matching funds [2]	2.0	6.5	38.4	33.5	28.8	27.9	29.5	30.4	27.3	28.5
Grants awarded (number)	542	1,330	2,917	2,760	2,143	1,928	2,523	2,241	2,297	2,888
Funds obligated	10.5	73.1	185.5	144.4	115.8	123.3	127.6	125.7	121.1	128.4
Education programs	4.2	17.1	18.3	17.3	13.0	14.7	19.3	17.9	14.8	16.4
State programs	(X)	(X)	26.0	26.0	22.8	24.0	26.0	24.4	24.1	25.0
Research grants	2.0	13.4	32.0	25.5	25.7	23.1	24.1	24.4	21.0	21.7
Fellowship program	1.7	10.9	18.0	17.5	16.5	14.1	15.0	15.3	14.4	15.3
Challenge [3]	(X)	(X)	53.5	24.0	20.7	21.8	18.3	19.6	16.2	16.5
General programs	(X)	(X)	(X)	(X)	16.2	24.9	24.3	24.1	24.7	25.4
Preservation [7]	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	4.1	4.1
National Capital Arts and Cultural Affairs Program	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1.9	4.0
Other	2.6	31.8	37.7	34.0	.9	.7	.7	(X)	(X)	(X)

NA Not available. X Not applicable. [1] Includes other funds, not shown separately. Excludes administrative funds. Gifts are included through 1980; excluded thereafter. [2] Represents Federal funds appropriated only upon receipt or certification by Endowment of matching non-Federal gifts. [3] Program designed to stimulate new sources and higher levels of giving to institutions for the purpose of guaranteeing long-term stability and financial independence. Program requires a match of at least 3 private dollars to each Federal dollar. Funds for challenge grants are not allocated by program area because they are awarded on a grant-by-grant basis. [4] Excludes $5.2 million reappropriated to challenge grants in 1983. [5] Includes reappropriated funds from 1982. [6] Excludes National Capital Arts and Cultural Affairs Program. [7] Program designed to support projects which preserve and guarantee access to print and non-print media in danger of disintegration or deterioration.

Source: U.S. National Endowment for the Arts, *Annual Report*; and U.S. National Endowment for the Humanities, *Annual Report*.

No. 400. State Legislative Appropriations for State Arts Agencies: 1985 to 1988

[In thousands of dollars, except as indicated. For fiscal years ending in year shown. Fiscal years for most States ended June 30; see text, section 9]

STATE	1985	1986	1987	1988 Total	1988 Per capita [1] (dol.)	STATE	1985	1986	1987	1988 Total	1988 Per capita [1] (dol.)
Total	161,413	195,822	216,082	244,432	1.00	NV	124	174	179	270	.27
AL	1,000	1,045	969	1,319	.32	NH	129	323	337	451	.43
AK	5,295	4,001	2,190	1,275	2.43	NJ	6,217	10,391	13,453	20,101	2.62
AZ	617	1,010	1,140	1,323	.39	NM	700	714	699	706	.47
AR	796	836	1,008	1,016	.43	NY	39,088	44,219	48,591	54,014	3.03
CA	10,422	11,793	12,569	13,637	.49	NC	2,921	3,936	3,972	4,485	.70
CO	929	971	1,629	1,041	.32	ND	175	238	238	222	.33
CT	1,122	1,479	1,866	2,000	.62	OH	5,785	7,493	9,069	9,591	.89
DE	450	496	604	686	1.07	OK	1,596	1,821	1,535	1,679	.51
DC	1,278	1,765	2,368	3,544	5.70	OR	456	487	518	1,297	.48
FL	9,045	9,761	12,710	17,340	1.44	PA	5,585	6,724	7,780	9,780	.82
GA	1,720	2,201	2,666	3,001	.48	RI	419	444	600	1,070	1.09
HI	1,592	2,170	2,282	3,902	3.60	SC	1,858	2,556	2,772	2,801	.82
ID	125	131	134	198	.20	SD	251	284	287	330	.47
IL	5,648	6,559	6,758	7,581	.66	TN	719	[3]3,616	1,383	1,523	.31
IN	1,450	1,831	1,867	1,969	.36	TX	4,240	4,846	2,984	3,383	.20
IA	492	523	732	[2]729	.26	UT	1,400	1,568	1,626	1,518	.90
KS	468	596	561	583	.24	VT	226	243	265	350	.64
KY	1,536	1,564	1,963	2,032	.55	VA	1,748	1,948	2,980	2,980	.50
LA	1,133	1,205	960	978	.22	WA	1,747	1,879	1,706	1,704	.38
ME	325	420	483	499	.42	WV	1,849	2,117	2,130	1,811	.95
MD	1,796	1,909	4,776	5,157	1.14	WI	988	1,152	1,149	1,151	.24
MA	13,603	16,379	18,266	21,149	3.61	WY	145	145	172	203	.41
MI	8,817	10,292	11,426	12,585	1.37	Am. Samoa	48	45	47	47	1.24
MN	2,265	2,503	2,766	3,030	.71	GU	215	305	323	280	2.15
MS	436	466	412	421	.16	No. Marianas	25	25	40	60	3.00
MO	3,067	6,904	4,194	4,442	.87	PR	5,853	7,781	10,535	9,744	2.96
MT	700	649	644	730	.90	VI	144	104	104	107	1.01
NE	605	583	583	606	.38						

[1] Based on estimated resident population as of July 1, 1987. [2] Includes $250,000 one-time appropriation. [3] Includes $2.5 million one-time gift.

Source: National Assembly of State Arts Agencies, Washington, DC, unpublished data.

No. 401. International Travelers and Expenditures—Summary: 1970 to 1987

[For coverage, see tables 403 and 404. Minus sign (−) indicates deficit. See also *Historical Statistics, Colonial Times to 1970,* series H 921, 928, 941, and 945]

YEAR	TRAVEL AND PASSENGER FARE				U.S. net travel and passenger payments (mil. dol.)	U.S. travelers abroad (1,000)	Foreign visitors to the U.S. (1,000)
	Payments by U.S. travelers		Receipts from foreign visitors				
	Total [1] (mil. dol.)	Expenditures abroad (mil. dol.)	Total [1] (mil. dol.)	Travel receipts (mil. dol.)			
1970	5,195	3,980	2,708	2,331	−2,487	5,260	2,288
1971	5,663	4,373	2,959	2,534	−2,704	5,667	2,4[illegible]
1972	6,638	5,042	3,311	2,817	−3,327	6,790	2,8[illegible]
1973	7,316	5,526	4,130	3,412	−3,186	6,933	3,5[illegible]
1974	8,075	5,980	4,845	4,032	−3,230	6,467	3,70[illegible]
1975	8,660	6,417	5,464	4,697	−3,216	6,354	3,674
1976	9,424	6,856	6,679	5,742	−2,745	6,897	4,4[illegible]
1977	10,199	7,451	7,175	6,150	−3,024	7,390	4,5[illegible]
1978	11,371	8,475	8,421	7,183	−2,950	7,790	5,76[illegible]
1979	12,597	9,413	10,118	8,441	−2,479	7,835	7,2[illegible]
1980	14,004	10,397	12,650	10,588	−1,354	8,163	8,200
1981	15,966	11,479	15,488	12,913	−478	8,040	9,06[illegible]
1982	17,166	12,394	15,085	12,393	−2,081	8,510	8,761
1983	19,152	13,149	14,044	10,947	−5,108	9,628	7,873
1984	22,069	15,020	14,009	10,873	−8,060	11,252	7,527
1985	23,925	16,040	14,301	11,197	−9,624	12,309	7,53[illegible]
1986	24,724	17,250	16,086	12,462	−8,638	11,706	8,8[illegible]
1987, prel.	29,281	20,496	19,415	14,778	−9,866	13,248	10,434

[1] Includes passenger fares not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* May 1988, and earlier issues.

No. 402. Passports, by Sex and Age of Traveler: 1970 to 1986

[**In thousands.** Total passports are actual count; all other data based on a sample and prorated to total passports. Data refer to number of passports issued, not travelers. Excludes passport renewals. A single passport may cover more than one trip and more than one person. See also *Historical Statistics, Colonial Times to 1970,* series H 899-920]

SEX AND AGE	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Total passports	**2,219**	**2,415**	**2,334**	**2,817**	**3,107**	**3,234**	**3,170**	**3,020**	**3,222**	**3,764**	**4,122**	**4,718**	**5,018**	[illegible]
Male	1,124	1,155	1,128	1,354	1,496	1,555	1,543	1,497	1,552	1,849	1,964	1,980	(NA)	(NA)
Female	1,095	1,260	1,206	1,463	1,611	1,679	1,627	1,523	1,670	1,915	2,158	2,738	(NA)	(NA)
Under 20 years	362	448	405	460	511	541	567	516	524	621	663	708	(NA)	(NA)
20-29 years	507	491	458	530	586	580	581	541	567	634	637	746	(NA)	(NA)
30-39 years	293	348	345	432	499	535	547	533	584	665	696	834	(NA)	(NA)
40-49 years	356	371	347	423	452	472	465	437	470	544	613	742	(NA)	(NA)
50-59 years	341	383	384	484	527	545	506	474	493	552	636	701	(NA)	(NA)
60 years and over	360	374	395	488	552	561	504	519	584	748	873	987	(NA)	(NA)

NA Not available.

Source: U.S. Dept. of State, Bureau of Consular Affairs, *Summary of Passport Statistics,* annual.

No. 403. Foreign Travel to the U.S.—Travelers and Receipts: 1970 to 1987

[**Travelers in thousands; receipts in millions of dollars.** Includes travelers for business and pleasure, foreigners in transit through the United States, and students; excludes travel by foreign government personnel and foreign businessmen employed in the United States. Travelers from overseas excludes Canada and Mexico. See also *Historical Statistics, Colonial Times to 1970,* series H 946-951]

AREA OF ORIGIN	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Travelers from overseas	**2,288**	**3,674**	**8,200**	**9,069**	**8,761**	**7,873**	**7,527**	**7,538**	**8,860**	**10,434**
Western Europe	984	1,500	3,700	4,170	3,778	3,020	2,961	2,905	3,722	4,683
Caribbean, Central America	484	478	850	853	907	1,218	996	1,014	1,104	1,241
South America	318	438	1,200	1,382	1,278	1,055	771	782	944	935
Japan	207	747	2,450	2,664	2,798	2,580	2,779	2,837	3,090	3,585
Other	295	511								
Total receipts	**2,331**	**4,697**	**10,588**	**12,913**	**12,393**	**10,947**	**10,873**	**11,197**	**12,462**	**14,778**
Canada [1]	850	1,561	2,501	2,672	2,624	2,707	2,612	2,571	2,089	3,252
Mexico [1]	583	1,311	2,522	3,775	3,098	1,951	1,905	2,013	1,942	2,036
U.S. border area	520	972	1,614	2,547	2,308	1,457	1,519	1,595	1,568	1,578
Western Europe	318	611	2,192	2,549	2,476	2,157	2,229	2,263	2,924	3,812
Caribbean, Central America	170	206	423	469	525	684	604	633	702	810
South America	164	303	1,063	1,273	1,269	1,091	879	921	1,113	1,161
Japan	101	410	824	949	1,084	1,128	1,294	1,418	1,614	2,111
Other	136	295	1,063	1,226	1,317	1,229	1,350	1,378	1,478	1,596
Fares to U.S. carriers [2]	377	767	2,062	2,575	2,692	3,097	3,136	3,104	3,624	4,637

[1] Beginning with estimate for 1983, passenger fares are excluded. [2] Includes fares paid to and from the United States only.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* May 1988, and earlier issues.

No. 404. U.S. Travel to Foreign Countries—Travelers and Expenditures: 1970 to 1987

[Travelers in thousands; expenditures in millions of dollars, except as indicated. Covers residents of the United States, its territories and possessions. See also *Historical Statistics, Colonial Times to 1970*, series H 921–940]

ITEM AND AREA	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Total overseas travelers [1]	**5,260**	**6,354**	**8,163**	**8,040**	**8,510**	**9,628**	**11,252**	**12,309**	**11,706**	**13,248**
Region of destination:										
Europe and Mediterranean	2,898	3,185	3,934	3,931	4,144	4,780	5,760	6,457	5,154	6,175
Average length of stay (days)	27	24	21	(NA)	(NA)	19	17	18	(NA)	(NA)
Caribbean and Central America	1,663	2,065	2,624	2,453	2,637	2,989	3,313	3,497	3,875	4,118
South America	249	447	594	567	529	535	557	553	624	768
Other	450	657	1,011	1,089	1,200	1,324	1,622	1,802	2,053	2,187
Expenditures abroad	**3,980**	**6,417**	**10,397**	**11,479**	**12,394**	**13,556**	**15,449**	**16,482**	**17,250**	**20,496**
Canada [2]	1,018	1,306	1,817	2,070	1,936	2,160	2,416	2,694	3,030	2,949
Mexico [2]	778	1,637	2,564	2,862	3,324	3,618	3,599	3,531	3,579	3,928
Total overseas areas [3]	2,184	3,474	6,016	6,547	7,134	7,778	9,434	10,257	10,641	13,619
Europe and Mediterranean	1,425	1,916	3,412	3,587	3,787	4,201	5,171	5,857	5,338	7,542
Average per trip (dollars)	490	602	867	912	914	882	897	(NA)	(NA)	(NA)
Average per day (dollars)	18.15	25.19	41.28	(NA)	(NA)	46.42	52.76	(NA)	(NA)	(NA)
Caribbean and Central America	390	767	1,134	1,277	1,349	1,426	1,786	1,830	2,120	2,320
South America	90	242	392	383	380	408	357	365	425	565
Japan	97	131	185	214	272	276	400	458	747	911
Other	182	398	893	1,086	1,346	1,465	1,720	1,747	2,011	2,281

NA Not available. [1] Excludes the following: Travel to Canada and Mexico; cruise travelers; military personnel and other Government employees and their dependents stationed abroad, and U.S. citizens residing abroad. [2] Beginning with estimate for 1983, passenger fares are excluded. [3] Excludes passenger fares.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988, and earlier issues.

No. 405. Air Travel Between the United States and Foreign Countries: 1980 to 1987

[In thousands. Covers passengers on international commercial flights arriving at and departing from U.S. airports. Excludes traffic between U.S. and Canada, border crossers, crewmen, and military personnel. Travelers between U.S. ports in the 50 States, Puerto Rico, Guam, or the Virgin Islands; and any other outlying area are included. Data compiled from flight reports of U.S. Immigration and Naturalization Service. Selection of countries based on minimum of 145,000 arrivals in 1987, except for Greece, which declined from earlier years. For related data, see also *Historical Statistics, Colonial Times to 1970*, series C 296–331]

FLAG OF CARRIER AND COUNTRY	ARRIVALS					DEPARTURES				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Total passengers	**20,262**	**23,212**	**24,154**	**25,608**	**28,644**	**19,256**	**21,608**	**22,487**	**23,175**	**26,664**
Flag of carrier:										
United States	10,031	11,623	11,797	12,254	14,313	9,369	10,531	10,696	10,711	12,853
Foreign	10,231	11,588	12,357	13,354	14,331	9,886	11,076	11,791	12,464	13,811
Country of embarkation or debarkation: [1]										
Antigua	63	129	186	138	153	57	108	86	124	134
Australia	227	277	277	313	378	245	223	232	281	349
Bahamas, The	1,123	1,373	1,503	2,488	1,828	1,006	1,063	1,151	1,208	1,265
Barbados	135	211	216	218	238	126	212	204	213	233
Belgium	242	242	281	316	227	231	216	249	265	180
Bermuda	497	441	434	500	516	467	395	389	396	367
Brazil	300	321	352	433	418	291	304	322	397	396
China: Taiwan	113	187	206	254	249	90	167	187	219	240
Colombia	315	285	279	281	264	299	290	294	270	279
Costa Rica	111	131	140	154	160	107	122	130	146	146
Denmark	267	239	241	247	302	254	235	254	261	295
Dominican Republic	468	575	606	705	817	443	479	528	626	710
Ecuador	130	109	120	141	148	131	78	92	105	141
France	689	795	955	906	1,161	635	748	894	870	1,096
Grand Cayman	121	170	173	199	222	112	160	161	175	199
Greece	208	265	187	86	125	190	234	210	91	129
Guatemala	165	115	107	130	161	149	114	116	187	192
Haiti	133	175	192	179	190	124	156	169	163	181
Hong Kong	228	295	270	304	313	152	263	238	267	270
Ireland	220	256	274	300	291	212	212	233	268	281
Israel	189	255	294	187	230	186	278	255	236	277
Italy	537	649	662	506	665	495	647	660	475	637
Jamaica	429	712	707	851	938	382	616	607	778	858
Japan	1,624	2,267	2,435	2,612	3,098	1,602	2,127	2,255	2,420	2,937
Mexico	2,886	2,901	2,719	2,843	3,534	2,886	2,808	2,674	2,878	3,456
Netherlands	427	558	583	589	621	409	513	562	557	607
Netherlands Antilles	327	426	407	465	524	282	346	395	416	432
New Zealand	151	133	145	182	225	145	148	171	207	284
Panama	150	169	180	178	165	142	194	209	201	168
Philippines	194	165	145	144	182	160	166	165	177	162
Portugal	119	135	129	127	146	110	124	122	111	134
South Korea	234	290	390	509	521	186	244	333	423	459
Spain	312	418	419	304	389	273	378	397	302	382
Switzerland	312	427	452	416	532	306	409	434	416	527
United Kingdom	2,973	3,222	3,460	3,215	3,884	2,840	3,103	3,322	3,083	3,696
Venezuela	533	255	248	259	329	518	257	245	257	320
West Germany	1,175	1,404	1,582	1,582	1,962	1,178	1,419	1,539	1,569	1,911
Other	1,935	2,235	2,198	2,347	2,512	1,835	2,052	2,003	2,119	2,335

[1] Country where passenger boarded/deboarded a direct flight to/from the U.S.

Source: U.S. Dept. of Transportation, Transportation Systems Center, Cambridge, MA, *U.S. International Air Travel Statistics*, annual.

No. 406. Nonimmigrants Admitted, by Class of Admission: 1970 to 1987

[In thousands, except as noted. Except as noted, for fiscal years ending in year shown; see text, section 10. Nonimmigra are non-resident aliens (non-U.S. citizens) admitted to the U.S. for a temporary period. Included in this group are visitors business and pleasure, students and their spouses and children, foreign government officials, exchange visitors and spouses and children, international representatives, treaty traders and investors, representatives of foreign information media fiances(ees) of U.S. citizens and their children, officials of the North Atlantic Treaty Organization (NATO) and aliens in transit Most classes include spouses and unmarried minor (or dependent) children accompanying or following to join the alien. Exclu are border crossers, crewmen, and insular travelers. See also *Historical Statistics, Colonial Times to 1970*, series C 149-15

CLASS OF ADMISSION	1970	1975	1982	1983 [1]	1984	1985	1986	1987
Nonimmigrants	4,431.9	7,083.9	[2] 11,779.4	9,849.4	9,426.8	9,675.7	10,607.2	[illegible]
Temporary visitors, total	3,345.2	5,567.4	10,627.6	8,532.2	8,216.0	8,405.4	9,279.9	[illegible]
Percent of total	75.5	78.9	90.2	86.6	87.2	86.9	87.5	[illegible]
For pleasure	3,020.4	5,060.0	9,401.1	6,766.4	6,594.6	6,606.6	7,342.0	[illegible]
For business	324.8	527.4	1,226.4	1,765.8	1,623.4	1,798.8	1,937.9	[illegible]
Returning resident aliens [3]	493.5	800.0	(X)	(X)	(X)	(X)	(X)	[illegible]
Transit aliens [4]	231.9	273.0	189.5	269.0	238.4	236.5	243.9	[illegible]
Foreign government officials [5]	50.5	68.4	91.1	92.6	89.4	90.2	93.7	91.7
Treaty traders and investors [5]	19.2	35.0	84.7	92.8	90.5	98.5	103.7	114.1
Students [5]	107.3	118.0	294.6	318.2	256.5	285.5	288.4	[illegible]
Representatives to international organizations [5]	23.8	32.6	55.0	56.8	56.6	57.2	59.4	57.3
Temporary workers and industrial trainees	86.5	67.3	63.9	83.2	79.6	87.5	99.1	113.5
Workers of distinguished merit and ability	11.1	15.6	(NA)	39.9	42.5	47.3	54.4	65.5
Other temporary workers	69.3	37.5	(NA)	29.5	23.4	24.5	28.0	[illegible]
Industrial trainees	5.3	3.8	(NA)	3.0	2.9	3.0	2.9	3.0
Their spouses and children	.8	10.6	11.5	10.8	10.8	12.6	13.7	16.2
Representatives of foreign information media [5]	4.7	6.1	13.5	16.3	19.1	16.8	16.9	10.4
Exchange visitors [5]	66.6	63.4	115.4	118.5	120.9	141.2	163.0	[illegible]
NATO officials [5]	2.3	4.0	6.8	6.8	7.8	8.3	7.0	7.3
Fiances(ees) of U.S. citizens [6]	.1	6.4	7.5	7.2	7.1	7.6	8.1	[illegible]
Intracompany transferees [5]	.4	22.3	81.0	104.6	103.6	106.9	108.0	[illegible]
Parolees [7]	(X)	(X)	(X)	51.5	47.8	47.5	45.9	[illegible]
Refugees	(X)	(X)	(X)	62.9	68.5	66.0	51.2	[illegible]
Other	(X)	(X)	(X)	34.8	23.1	20.3	39.1	20.6

NA Not available. X Not applicable. [1] Calendar year. [2] Includes nonimmigrants admitted whose class was unkno [3] For 1970 and 1975, returning resident aliens who had once been counted as immigrants were included with nonimmigra Since 1981, data no longer collected. [4] Includes foreign government officials and their spouses and (unmarried minor o dependent) children, in transit. [5] Includes spouses and children. [6] Includes children of fiances(ees) of U.S. citize [7] Aliens allowed to enter the U.S. for a temporary period of time on emergency conditions or when the entry is determined to b in the public interest (e.g., witness in court).

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

No. 407. Nonimmigrants Admitted, by Country of Last Permanent Residence: 1984 to 1987

[In thousands. For years ending **September 30**. For definition of nonimmigrants, see table 406. Students and others entering w multiple entry documents are only counted on the first admission. Changes in reporting requirements affect reporting of nonim grants especially from Canada and Mexico]

COUNTRY	1984	1985	1986	1987
Total	**9,427**	**9,676**	**10,607**	**12,421**
America [1]	**2,902**	**3,048**	**3,108**	**3,423**
Argentina	84	89	181	170
Bahamas, The	215	231	254	289
Brazil	175	201	252	256
Canada	161	159	150	159
Colombia	172	166	160	156
Dominican Republic	90	88	97	112
Ecuador	46	53	63	69
Guatemala	86	71	72	68
Haiti	75	80	80	81
Jamaica	116	127	147	176
Mexico	823	954	822	941
Panama	57	55	56	61
Peru	69	60	63	77
Trinidad and Tobago	98	90	76	85
Venezuela	186	173	146	155
Asia [1]	**2,466**	**2,649**	**2,832**	**3,341**
China [2]	147	186	190	204
Hong Kong	104	101	113	118
India	82	86	99	109
Iran	30	42	32	20
Israel	116	116	137	146
Japan	1,442	1,558	1,683	2,124
Korea	82	93	103	110
Philippines	107	109	113	120
Europe [1]	**3,214**	**3,144**	**3,820**	[illegible]
Austria	50	51	58	[illegible]
Belgium	66	67	82	104
Denmark	56	59	73	85
France	354	359	449	[illegible]
Germany	573	543	680	945
Greece	50	52	56	59
Ireland	67	73	98	100
Italy	236	241	277	345
Netherlands	144	140	188	200
Norway	71	71	85	93
Poland	29	47	58	54
Portugal	25	27	29	31
Soviet Union [3]	6	6	8	12
Spain	104	104	119	143
Sweden	122	122	141	182
Switzerland	161	155	183	236
United Kingdom	1,000	925	1,185	1,382
Yugoslavia	20	22	26	31
Africa	**200**	**179**	**187**	[illegible]
Australia and New Zealand	**326**	**347**	**370**	[illegible]
Other countries and unknown	**317**	**309**	**280**	[illegible]

[1] Includes countries not shown separately. [2] Includes Taiwan. [3] Europe and Asia.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

No. 408. Travel by U.S. Residents by Selected Trip Characteristic: 1982 to 1987

[In millions. Represents trips to places 100 miles or more away from home]

Characteristic	Trips						Person-trips					
	1982	1983	1984	1985	1986	1987	1982	1983	1984	1985	1986	1987
Total	**537.3**	**540.9**	**529.2**	**558.4**	**592.3**	**636.3**	**1,069.3**	**1,057.8**	**1,012.9**	**1,077.6**	**1,121.5**	**1,191.0**
Purpose:												
Visit friends and relatives	191.3	181.9	180.3	206.6	214.9	216.0	409.8	384.6	384.5	430.8	442.5	439.0
Other pleasure	180.4	189.6	170.4	177.6	200.3	228.9	377.7	401.4	349.7	376.0	418.9	462.7
Business or convention	101.9	103.6	114.5	133.3	140.0	157.5	152.4	146.4	156.1	185.2	189.0	209.2
Other	63.7	65.8	63.0	40.7	37.1	33.9	129.4	125.4	121.7	85.6	71.1	83.1
Mode of transport:												
Auto, truck, recreation vehicle	415.7	396.1	380.9	376.1	405.6	433.7	881.5	839.8	794.0	797.7	832.1	889.4
Airplane	94.6	116.2	118.8	140.5	143.4	160.7	144.9	174.2	174.5	217.3	231.0	239.9
Other	27.0	28.6	28.5	41.8	43.3	41.9	42.9	43.8	43.5	62.6	58.4	61.7
Vacation trip	314.6	307.8	333.3	339.8	354.3	368.2	660.2	642.3	689.6	728.7	752.4	773.4
Weekend trip	238.4	225.5	211.4	224.0	252.0	274.4	505.3	495.0	434.9	470.1	513.5	569.4

Source: U.S. Travel Data Center, Washington, DC, *1987 National Travel Survey*, annual. (Copyright.)

No. 409. Business Receipts and Employment of Selected Travel Industry Sectors: 1974 to 1987

Year	Business receipts (mil. dol.)							Employment (1,000)					
	Travel industry, total	Transportation			Motel, hotel	Eating and drinking places	Amusement and recreation services	Travel industry, total	Transportation		Eating and drinking places	Hotels, motels, and tourist courts	Amusement and recreation services
		Air [1]	Bus	Rail [2]					Intercity highway passengers	Air			
1974	87,214	9,903	1,152	246	11,757	44,673	19,463	5,018.4	42.4	367.8	3,231.2	823.5	553.5
1975	96,840	10,301	1,172	237	13,002	51,067	21,061	5,228.5	39.9	362.8	3,379.5	849.5	596.8
1976	110,155	12,104	1,232	266	15,129	57,211	24,213	5,591.6	39.6	373.8	3,656.2	885.2	636.8
1977	121,685	13,773	1,331	261	16,413	63,276	26,611	5,951.0	37.4	386.3	3,948.6	913.0	665.7
1978	136,460	15,753	1,420	267	20,070	71,828	27,102	6,375.2	36.1	407.9	4,277.2	945.6	708.4
1979	158,377	18,931	1,664	365	25,229	82,110	30,078	6,719.9	36.7	438.2	4,513.1	1,019.9	712.0
1980	175,347	23,317	1,709	415	26,832	90,058	33,016	6,918.3	37.9	453.4	4,625.8	1,037.7	763.5
1981	194,678	25,504	1,809	466	31,572	98,118	37,207	7,102.2	38.1	454.6	4,749.5	1,076.4	783.6
1982	204,015	25,442	1,854	465	32,740	104,593	38,912	7,205.6	38.8	443.6	4,831.2	1,082.8	799.2
1983	219,966	27,347	1,965	515	35,897	112,495	41,747	7,481.3	35.5	455.2	5,041.8	1,131.1	817.7
1984	236,589	31,181	2,035	557	38,917	119,572	44,327	7,938.7	37.3	488.5	5,368.0	1,221.3	803.6
1985	250,343	33,044	1,989	605	41,837	125,114	47,754	8,399.3	35.7	519.0	5,713.1	1,293.0	838.5
1986	268,218	33,403	1,876	631	45,881	135,308	51,117	8,756.4	38.2	560.1	5,921.3	1,325.8	913.0
1987	290,866	36,108	1,920	655	49,612	147,645	54,926	9,022.9	31.7	604.3	5,993.6	1,407.1	986.2

[1] U.S. certificated carriers in domestic service. [2] Covers fiscal years October 1 through September 30.

Source: U.S. Travel Data Center, Washington, DC, *The 1986–87 Economic Review of Travel in America*. (Copyright.)

No. 410. Domestic Travel Expenditures, by State: 1986

[Represents U.S. spending on domestic overnight trips and day trips of 100 miles or more away from home. Excludes spending by foreign visitors and by U.S. residents in U.S. territories and abroad]

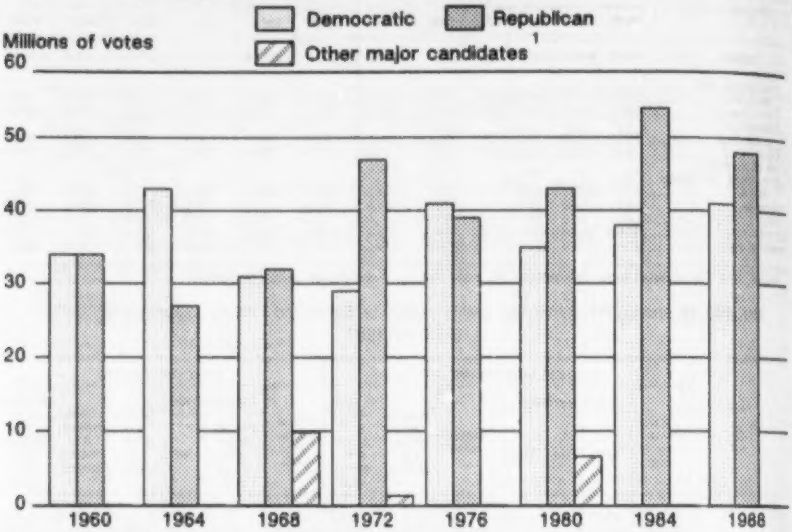
State	Total (mil. dol.)	Share of total (percent)	Rank	State	Total (mil. dol.)	Share of total (percent)	Rank	State	Total (mil. dol.)	Share of total (percent)	Rank
U.S. total	**252,864**	**100.0**	(x)	KY	2,293	.9	30	ND	621	.3	49
				LA	3,596	1.4	24	OH	6,897	2.7	10
AL	1,866	.7	36	ME	1,879	.8	34	OK	2,743	1.1	28
AK	866	.4	45	MD	4,766	1.9	19	OR	2,464	1.0	29
AZ	4,815	1.9	18	MA	5,896	2.3	13	PA	10,105	4.0	6
AR	1,873	.8	35	MI	7,625	3.0	8	RI	494	.2	51
CA	33,658	13.3	1	MN	5,178	2.1	15	SC	3,695	1.5	23
CO	5,175	2.1	16	MS	1,351	.5	40	SD	592	.2	50
CT	2,806	1.1	27	MO	4,970	2.0	17	TN	4,081	1.6	22
DE	709	.3	48	MT	717	.3	47	TX	15,691	6.2	4
DC	1,283	.5	42	NE	1,247	.5	43	UT	1,939	.8	33
FL	20,350	8.1	2	NV	7,280	2.9	9	VT	1,337	.5	41
GA	5,247	2.1	14	NH	1,710	.7	38	VA	6,073	2.4	12
HI	3,039	1.2	26	NJ	12,971	5.1	5	WA	4,233	1.7	20
ID	1,012	.4	44	NM	1,810	.7	37	WV	1,417	.6	39
IL	9,554	3.8	7	NY	16,775	6.6	3	WI	4,175	1.7	21
IN	3,083	1.2	25	NC	6,079	2.4	11	WY	771	.3	46
IA	1,966	.8	31								
KS	1,965	.8	32								

X Not applicable.

Source: U.S. Travel Data Center, Washington, DC, *Impact of Travel on State Economies, 1986*. (Copyright.)

Figure 8.1

Popular Vote Cast for President, by Major Party: 1960 to 1988

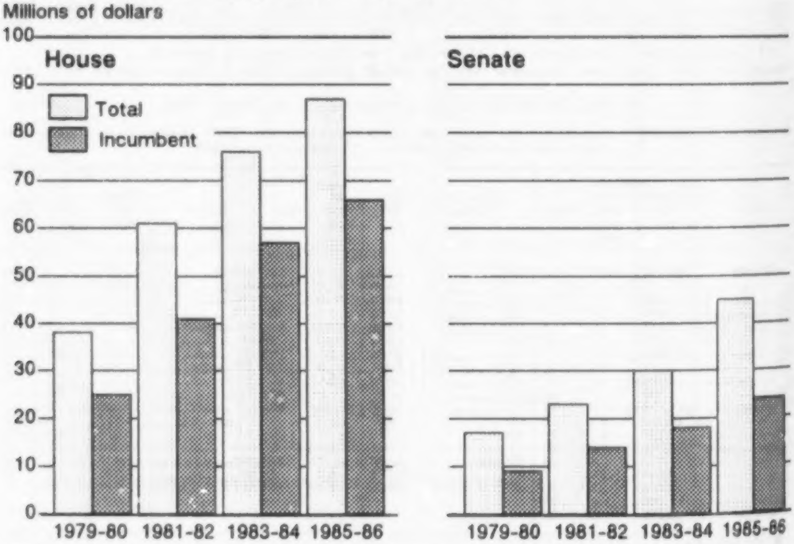


[1] 1968 and 1972-American Independent; 1980-John Anderson

Source: Chart prepared by U.S. Bureau of the Census. For data see table 411.

Figure 8.2

Political Action Committees (PAC)-Contributions to Congressional Campaigns: 1979 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 444.

Section 8

Elections

This section relates primarily to Presidential, congressional, and gubernatorial elections. Also presented are summary tables on congressional legislation, State legislatures, Black, Hispanic, and female officeholders, population of voting age, voter participation, and campaign finances.

Official statistics on Federal elections, collected by the Clerk of the House, are published biennially in *Statistics of the Presidential and Congressional Election* and *Statistics of the Congressional Election.* Federal and State elections data appear also in *America Votes,* a biennial volume of the Elections Research Center, Washington, DC. Federal elections data also appear in the U.S. Congress, *Congressional Directory,* and in official State documents. Data on reported registration and voting are obtained by the U.S. Bureau of the Census as part of the Current Population Survey (CPS) and are published in *Current Population Reports,* series P-20 (see text, section 1).

Almost all Federal, State, and local governmental units in the United States conduct elections at various intervals for different offices and other purposes. The conduct of elections is regulated by State laws or, in some cities and counties, by local charter. An exception is that the U.S. Constitution prescribes the basis of representation in Congress and the manner of electing the President, and grants to Congress the right to regulate the times, places, and manner of electing Federal officers. Amendments to the Constitution have prescribed national criteria for voting eligibility. The 15th Amendment, adopted in 1870, gave all citizens the right to vote regardless of race, color, or previous condition of servitude. The 19th Amendment, adopted in 1919, further extended the right to vote to all citizens regardless of sex. The payment of poll taxes as a prerequisite to voting in Federal elections was banned by the 24th Amendment in 1964. In 1971, as a result of the 26th Amendment, eligibility to vote in national elections was extended to all citizens, 18 years old and over.

Presidential election.—The Constitution specifies how the President and Vice President are selected. Each State elects, by popular vote, a group of electors equal in number to its total of members of Congress. Subsequent to the election, the electors meet in their respective States to vote for President and Vice President. Usually, each elector votes for the candidate receiving the most popular votes in his or her State. A majority vote of all electors is necessary to elect the President and Vice President. If no candidate receives a majority, the House of Representatives, with each State having one vote, is empowered to elect the President and Vice President, again, with a majority of votes required.

The 22d Amendment to the Constitution, adopted in 1951, limits presidential tenure to 2 elective terms of 4 years each, or to 1 elective term for any person who, upon succession to the Presidency, has held the office or acted as President for more than 2 years. The 23d Amendment, adopted in 1961, grants the District of Columbia 3 presidential electors, a number equal to that of the least populous State.

Congressional election.—The Constitution provides that Representatives be apportioned among the States according to their population; that a census of population be taken every 10 years as a basis for apportionment; and that each State have at least 1 Representative. At the time of each apportionment, Congress decides what the total number of Representatives will be. Since 1912, the total has been 435, except during 1960 to 1962 when it increased to 437, adding 1 Representative each for Alaska and Hawaii. The total reverted to 435 after reapportionment following the 1960 census. Members are elected for 2-year terms, all terms covering the same period. The District of Columbia, American Samoa, Guam, and the Virgin Islands each elect one nonvoting Delegate and Puerto Rico elects a nonvoting Resident Commissioner.

The Senate is composed of 100 members, 2 from each State, who are elected to serve for a term of 6 years. One-third of the Senate is elected every 2 years. Senators were originally chosen by the State legislatures. The 17th Amendment to the Constitution, adopted in 1913, prescribed that Senators be elected by popular vote.

Voter eligibility and participation.—The Census Bureau publishes estimates of the population of voting age and the percent casting votes in each State for Presidential and congressional election years. These voting-age estimates include a number of persons who meet the age requirement but are not eligible to vote, (e.g. aliens and some institutionalized persons). In addition, since 1964, voter participation and voter characteristics data have been collected during November of election years as part of the CPS. These survey data include noncitizens in the voting age population estimates, but exclude members of the Armed Forces and the institutional population.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 411. VOTE CAST FOR PRESIDENT, BY POLITICAL PARTIES: 1920 TO 1988

[Prior to 1960, excludes Alaska and Hawaii; prior to 1964, excludes DC. Vote cast for major party candidates includes the votes of minor parties cast for those candidates. See also *Historical Statistics, Colonial Times to 1970*, series Y 79-83 and Y 135]

YEAR	CANDIDATES FOR PRESIDENT		VOTE CAST FOR PRESIDENT						
	Democratic	Republican	Total popular vote [1] (1,000)	Democratic			Republican		
				Popular vote		Electoral vote	Popular vote		Electoral vote
				Number (1,000)	Percent		Number (1,000)	Percent	
1920	Cox	Harding	26,768	9,133	34.1	127	16,153	60.3	404
1924	Davis	Coolidge	29,095	8,387	28.8	136	15,720	54.0	382
1928	Smith	Hoover	36,806	15,006	40.8	87	21,437	58.2	444
1932	F. D. Roosevelt	Hoover	39,758	22,829	57.4	472	15,760	39.6	59
1936	F. D. Roosevelt	Landon	45,654	27,757	60.8	523	16,684	36.5	8
1940	F. D. Roosevelt	Willkie	49,900	27,313	54.7	449	22,348	44.8	82
1944	F. D. Roosevelt	Dewey	47,977	25,613	53.4	432	22,018	45.9	99
1948	Truman	Dewey	48,794	24,179	49.6	303	21,991	45.1	189
1952	Stevenson	Eisenhower	61,551	27,315	44.4	89	33,936	55.1	442
1956	Stevenson	Eisenhower	62,027	26,023	42.0	73	35,590	57.4	457
1960	Kennedy	Nixon	68,838	34,227	49.7	303	34,108	49.5	219
1964	Johnson	Goldwater	70,645	43,130	61.1	486	27,178	38.5	52
1968	Humphrey	Nixon	73,212	31,275	42.7	191	31,785	43.4	301
1972	McGovern	Nixon	77,719	29,170	37.5	17	47,170	60.7	520
1976	Carter	Ford	81,556	40,831	50.1	297	39,148	48.0	240
1980	Carter	Reagan	86,515	35,484	41.0	49	43,904	50.7	489
1984	Mondale	Reagan	92,653	37,577	40.6	13	54,455	58.8	525
1988 [2]	Dukakis	Bush	88,963	41,016	46.1	111	47,946	53.9	426

YEAR	VOTE CAST FOR PRESIDENT—Con.
	LEADING OTHER CANDIDATES
1920	Eugene Debs, Socialist, 915,490. P. P. Christensen, Farmer-Labor, 265,229.
1924	Robert LaFollette, Progessive, 4,832,532. Herman P. Faris, Prohibition, 56,292.
1928	Norman Thomas, Socialist, 265,583. Verne L. Reynolds, Socialist Labor, 21,586.
1932	Norman Thomas, Socialist, 884,649. William Z. Foster, Communist, 103,253.
1936	William Lemke, Union, 892,267. Norman Thomas, Socialist, 187,833.
1940	Norman Thomas, Socialist, 116,410. Roger Babson, Prohibition, 58,708.
1944	Norman Thomas, Socialist, 79,003. Claude Watson, Prohibition, 74,799.
1948	Strom Thurmond, States' Rights, 1,176,125. Henry Wallace, Progressive, 1,157,326.
1952	Vincent Hallinan, Progressive, 140,023. Stuart Hamblen, Prohibition, 72,949.
1956	T. Coleman Andrews, States' Rights, 111,178. Eric Hass, Socialist Labor, 44,450.
1960	Eric Hass, Socialist Labor, 47,522 Rutherford Decker, Prohibition, 46,203.
1964	Eric Hass, Socialist Labor, 45,219. Clifton DeBerry, Socialist Workers, 32,720.
1968	George Wallace, American Independent, 9,906,473. Henning Blomen, Socialist Labor, 52,588.
1972	John Schmitz, American, 1,099,482. Benjamin Spock, People's, 78,756.
1976	Eugene McCarthy, Independent, 756,691. Roger MacBride, Libertarian, 173,011.
1980	John Anderson, Independent, 5,720,060. Ed Clark, Libertarian, 921,299.
1984	David Bergland, Libertarian, 228,314 Lyndon H. LaRouche, Independent, 78,807

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[1] Except for 1988, includes votes for minor party candidates, independents, unpledged electors, and scattered write-in votes.

[2] Based on nearly complete, unofficial returns compiled by News Election Service. Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 46, No. 46, Nov. 12, 1988. (Copyright.)

Source: Except as noted, Elections Research Center, Washington, DC, *America at the Polls*, 1965, and *America Votes* biennial, (copyright).

No. 412. Electoral Vote Cast for President, by Major Political Party—States: 1948 to 1988

[D=Democratic, R=Republican. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series Y 84–134]

REGION, DIVISION, AND STATE	1948 [1]	1952	1956 [2]	1960 [3]	1964	1968 [4]	1972 [5]	1976 [6]	1980	1984	1988 [7]
Democratic	**303**	**89**	**73**	**303**	**486**	**191**	**17**	**297**	**49**	**13**	**111**
Republican	**189**	**442**	**457**	**219**	**52**	**301**	**520**	**240**	**489**	**525**	**426**
Northeast: Democratic	20	-	-	121	126	102	14	86	4	-	53
Republican	118	133	133	12	-	24	108	36	118	113	60
Midwest: Democratic	101	-	13	71	149	31	-	58	10	10	29
Republican	54	153	140	82	-	118	145	87	135	127	108
South: Democratic	117	89	60	101	121	45	3	149	31	3	8
Republican	11	77	105	50	47	77	165	20	138	174	168
West: Democratic	65	-	-	10	90	13	-	4	4	-	21
Republican	6	79	79	75	5	82	102	97	98	111	90
New England: ME	R-5	R-5	R-5	R-5	D-4	D-4	R-4	R-4	R-4	R-4	R-4
NH	R-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-4
VT	R-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
MA	D-16	R-16	R-16	D-16	D-14	D-14	D-14	D-14	R-14	R-13	D-13
RI	D-4	R-4	R-4	D-4	D-4	D-4	R-4	D-4	D-4	R-4	D-4
CT	R-8	R-8	R-8	D-8	D-8	D-8	R-8	R-8	R-8	R-8	R-8
Middle Atlantic: NY	R-47	R-45	R-45	D-45	D-43	D-43	R-41	D-41	R-41	R-36	D-36
NJ	R-16	R-16	R-16	D-16	D-17	R-17	R-17	R-17	R-17	R-16	R-16
PA	R-35	R-32	R-32	D-32	D-29	D-29	R-27	D-27	R-27	R-25	R-25
East North Central: OH	D-25	R-25	R-25	R-25	D-26	R-26	R-25	D-25	R-25	R-23	R-23
IN	R-13	R-13	R-13	R-13	D-13	R-13	R-13	R-13	R-13	R-12	R-12
IL	D-28	R-27	R-27	D-27	D-26	R-26	R-26	R-26	R-26	R-24	R-24
MI	R-19	R-20	R-20	D-20	D-21	D-21	R-21	R-21	R-21	R-20	R-20
WI	D-12	R-12	R-12	R-12	D-12	R-12	R-11	D-11	R-11	R-11	D-11
West North Central: MN	D-11	R-11	R-11	D-11	D-10	D-10	R-10	D-10	D-10	D-10	D-10
IA	D-10	R-10	R-10	R-10	D-9	R-9	R-8	R-8	R-8	R-8	D-8
MO	D-15	R-13	D-13	D-13	D-12	R-12	R-12	D-12	R-12	R-11	R-11
ND	R-4	R-4	R-4	R-4	D-4	R-4	R-3	R-3	R-3	R-3	R-3
SD	R-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-3	R-3
NE	R-6	R-6	R-6	R-6	D-5	R-5	R-5	R-5	R-5	R-5	R-5
KS	R-8	R-8	R-8	R-8	D-7	R-7	R-7	R-7	R-7	R-7	R-7
South Atlantic: DE	R-3	R-3	R-3	D-3	D-3	R-3	R-3	D-3	R-3	R-3	R-3
MD	R-8	R-9	R-9	D-9	D-10	D-10	R-10	D-10	D-10	R-10	R-10
DC	(X)	(X)	(X)	(X)	D-3	D-3	D-3	D-3	D-3	D-3	D-3
VA	D-11	R-12	R-12	R-12	D-12	R-12	[5]R-11	R-12	R-12	R-12	R-12
WV	D-8	D-8	R-8	D-8	D-7	D-7	R-6	D-6	D-6	R-6	[7]D-5
NC	D-14	D-14	D-14	D-14	D-13	[4]R-12	R-13	D-13	R-13	R-13	R-13
SC	([1])	D-8	D-8	D-8	R-8	R-8	R-8	D-8	R-8	R-8	R-8
GA	D-12	D-12	D-12	D-12	R-12	([4])	R-12	D-12	D-12	R-12	R-12
FL	D-8	R-10	R-10	R-10	D-14	R-14	R-17	D-17	R-17	R-21	R-21
East South Central: KY	D-11	D-10	R-10	R-10	D-9	R-9	R-9	D-9	R-9	R-9	R-9
TN	[1]D-11	R-11	R-11	R-11	D-11	R-11	R-10	D-10	R-10	R-11	R-11
AL	([1])	D-11	[2]D-10	[3]D-5	R-10	([4])	R-9	D-9	R-9	R-9	R-9
MS	([1])	D-8	D-8	([3])	R-7	([4])	R-7	D-7	R-7	R-7	R-7
West South Central: AR	D-9	D-8	D-8	D-8	D-6	([4])	R-6	D-6	R-6	R-6	R-6
LA	([1])	D-10	R-10	D-10	R-10	([4])	R-10	D-10	R-10	R-10	R-10
OK	D-10	R-8	R-8	[3]R-7	D-8	R-8	R-8	R-8	R-8	R-8	R-8
TX	D-23	R-24	R-24	D-24	D-25	D-25	R-26	D-26	R-26	R-29	R-29
Mountain: MT	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-4
ID	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-4
WY	D-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
CO	D-6	R-6	R-6	R-6	D-6	R-6	R-7	R-7	R-7	R-8	R-8
NM	D-4	R-4	R-4	D-4	D-4	R-4	R-4	R-4	R-4	R-5	R-5
AZ	D-4	R-4	R-4	R-4	R-5	R-5	R-6	R-6	R-6	R-7	R-7
UT	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-5	R-5
NV	D-3	R-3	R-3	D-3	D-3	R-3	R-3	R-3	R-3	R-4	R-4
Pacific: WA	D-8	R-9	R-9	R-9	D-9	D-9	R-9	[6]R-8	R-9	R-10	D-10
OR	R-6	R-6	R-6	R-6	D-6	R-6	R-6	R-6	R-6	R-7	D-7
CA	D-25	R-32	R-32	R-32	D-40	R-40	R-45	R-45	R-45	R-47	R-47
AK	(X)	(X)	(X)	R-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
HI	(X)	(X)	(X)	D-3	D-4	D-4	R-4	D-4	D-4	R-4	D-4

- Represents zero. X Not applicable. [1] Excludes 39 electoral votes cast for States' Rights Democratic candidates as follows: AL 11; LA 10; MS 9; SC 8; and TN 1. [2] Excludes 1 electoral vote cast for Walter B. Jones in Alabama. [3] Excludes 15 electoral votes cast for Harry F. Byrd as follows: AL 6; MS 8; and OK 1. [4] Excludes 46 electoral votes cast for George C. Wallace as follows: AL 10; AR 6; GA 12; LA 10; MS 7; NC 1. [5] Excludes 1 electoral vote cast for John Hospers in Virginia. [6] Excludes 1 electoral vote cast for Ronald Reagan in Washington. [7] Excludes 1 electoral vote cast for Lloyd Bentsen for President in West Virginia.

Source: 1948–1972, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election*, quadrennial; 1976–1984, Elections Research Center, Washington, DC, *America Votes*, biennial; 1988, Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 46, No. 46, November 12, 1988. (Copyright.)

No. 413. Popular Vote Cast for President, by Political Party—States: 1980 to 1988

[**In thousands, except percent.** D=Democratic, R=Republican. Leading party vote refers to the party vote representing either a majority or a plurality for the victorious party in the area shown. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series Y 135-186]

REGION, DIVISION, AND STATE	1980				1984				1988 [2]			
	Total [1]	Democratic Party	Republican Party	Percent for leading party	Total [1]	Democratic Party	Republican Party	Percent for leading party	Total	Democratic Party	Republican Party	Percent for leading party
U.S.	**86,515**	**35,484**	**43,904**	**R-50.7**	**92,653**	**37,577**	**54,455**	**R-58.8**	**88,963**	**41,016**	**47,946**	R-[illegible]
Region:												
Northeast	19,206	8,019	9,147	R-47.6	20,483	9,046	11,336	R-55.3	19,260	9,485	9,774	R-[illegible]
Midwest	25,178	10,291	12,827	R-50.9	25,441	10,511	14,761	R-58.0	24,347	11,489	12,858	R-[illegible]
South	25,813	11,554	13,118	R-50.8	28,833	10,998	17,699	R-61.4	28,005	11,802	16,113	R-[illegible]
West	16,318	5,620	8,813	R-54.0	17,895	7,022	10,659	R-59.6	17,351	8,150	9,201	R-[illegible]
N. Eng	**5,467**	**2,206**	**2,446**	**R-44.7**	**5,614**	**2,437**	**3,153**	**R-56.2**	**5,606**	**2,798**	**2,808**	R-[illegible]
ME	523	221	239	R-45.6	553	215	337	R-60.8	545	241	304	R-[illegible]
NH	384	109	222	R-57.7	389	120	267	R-68.6	442	162	280	R-[illegible]
VT	213	82	95	R-44.4	235	96	136	R-57.9	240	116	123	R-[illegible]
MA	2,524	1,054	1,058	R-41.9	2,559	1,240	1,311	R-51.2	2,572	1,387	1,184	D-[illegible]
RI	416	198	155	D-47.7	410	197	212	R-51.7	386	217	170	D-[illegible]
CT	1,406	542	677	R-48.2	1,467	570	891	R-60.7	1,422	675	747	R-[illegible]
Mid. Atl	**13,739**	**5,813**	**6,703**	**R-48.8**	**14,670**	**6,609**	**8,183**	**R-55.0**	**13,654**	**6,687**	**6,966**	R-[illegible]
NY	6,202	2,728	2,894	R-46.7	6,807	3,120	3,665	R-53.8	6,204	3,228	2,975	D-[illegible]
NJ	2,976	1,147	1,547	R-52.0	3,218	1,261	1,934	R-60.1	2,975	1,275	1,700	R-[illegible]
PA	4,562	1,938	2,262	R-49.6	4,845	2,228	2,584	R-53.3	4,475	2,184	2,291	R-[illegible]
E. No. Cent	**17,458**	**7,221**	**8,825**	**R-50.5**	**17,613**	**7,279**	**10,213**	**R-58.0**	**16,766**	**7,762**	**9,004**	R-[illegible]
OH	4,284	1,752	2,207	R-51.5	4,548	1,825	2,679	R-58.9	4,347	1,935	2,412	R-[illegible]
IN	2,242	844	1,256	R-56.0	2,233	841	1,377	R-61.7	2,131	851	1,280	R-[illegible]
IL	4,750	1,981	2,358	R-49.6	4,819	2,086	2,707	R-56.2	4,479	2,181	2,299	R-[illegible]
MI	3,910	1,662	1,915	R-49.0	3,802	1,530	2,252	R-59.2	3,643	1,673	1,969	R-[illegible]
WI	2,273	982	1,089	R-47.9	2,212	996	1,199	R-54.2	2,166	1,122	1,044	D-[illegible]
W. No. Cent	**7,719**	**3,070**	**4,002**	**R-51.8**	**7,828**	**3,232**	**4,548**	**R-58.1**	**7,581**	**3,727**	**3,854**	R-[illegible]
MN	2,052	954	873	D-46.5	2,084	1,036	1,033	D-49.7	2,065	1,107	958	D-[illegible]
IA	1,318	509	676	R-51.3	1,320	606	703	R-53.3	1,209	667	542	D-[illegible]
MO	2,100	931	1,074	R-51.2	2,123	849	1,274	R-60.0	2,085	1,004	1,081	R-[illegible]
ND	302	79	194	R-64.2	309	104	200	R-64.8	293	127	166	R-[illegible]
SD	328	104	198	R-60.5	318	116	200	R-63.0	311	146	166	R-[illegible]
NE	641	167	420	R-65.5	652	188	460	R-70.6	644	254	389	R-[illegible]
KS	980	326	567	R-57.9	1,022	333	677	R-66.3	975	422	553	R-[illegible]
So. Atl	**12,589**	**5,698**	**6,198**	**R-49.2**	**14,124**	**5,519**	**8,565**	**R-60.6**	**13,896**	**5,852**	**8,045**	R-[illegible]
DE	236	106	111	R-47.2	255	102	152	R-59.8	230	99	131	R-[illegible]
MD	1,540	726	681	D-47.1	1,676	788	880	R-52.5	1,628	794	834	R-[illegible]
DC	175	131	24	D-74.8	211	180	29	D-85.4	179	153	26	D-[illegible]
VA	1,866	752	990	R-53.0	2,147	796	1,337	R-62.3	2,166	861	1,305	R-[illegible]
WV	738	367	334	D-49.8	736	328	405	R-55.1	647	339	308	D-[illegible]
NC	1,856	876	915	R-49.3	2,175	824	1,346	R-61.9	2,122	890	1,232	R-[illegible]
SC	894	430	442	R-49.4	968	344	616	R-63.6	967	368	600	R-[illegible]
GA	1,597	891	654	D-55.8	1,776	707	1,069	R-60.2	1,786	716	1,070	R-[illegible]
FL	3,687	1,419	2,047	R-55.5	4,180	1,449	2,730	R-65.3	4,171	1,632	2,539	R-[illegible]
E. So. Cent	**5,147**	**2,465**	**2,518**	**R-48.9**	**5,464**	**2,155**	**3,267**	**R-59.8**	**5,197**	**2,165**	**3,032**	R-[illegible]
KY	1,295	616	635	R-49.1	1,369	540	822	R-60.0	1,311	579	731	R-[illegible]
TN	1,618	783	788	R-48.7	1,712	712	990	R-57.8	1,617	678	939	R-[illegible]
AL	1,342	637	654	R-48.8	1,442	552	873	R-60.5	1,357	547	810	R-[illegible]
MS	893	429	441	R-49.4	941	352	582	R-61.9	913	361	552	R-[illegible]
W. So. Cent	**8,078**	**3,389**	**4,403**	**R-54.5**	**9,244**	**3,325**	**5,867**	**R-63.5**	**8,912**	**3,875**	**5,037**	R-[illegible]
AR	838	398	403	R-48.1	884	339	535	R-60.5	809	345	464	R-[illegible]
LA	1,549	708	793	R-51.2	1,707	652	1,037	R-60.8	1,596	716	881	R-[illegible]
OK	1,150	402	696	R-60.5	1,256	385	862	R-68.6	1,162	483	678	R-[illegible]
TX	4,542	1,881	2,511	R-55.3	5,398	1,949	3,433	R-63.6	5,345	2,331	3,014	R-[illegible]
Mt	**4,346**	**1,251**	**2,637**	**R-60.7**	**4,736**	**1,546**	**3,131**	**R-66.1**	**4,893**	**2,027**	**2,865**	R-[illegible]
MT	364	118	207	R-56.8	384	147	232	R-60.5	358	168	190	R-[illegible]
ID	437	110	291	R-66.5	411	109	298	R-72.4	401	147	253	R-[illegible]
WY	177	49	111	R-62.6	189	53	133	R-70.5	174	67	107	R-[illegible]
CO	1,184	368	652	R-55.1	1,295	455	822	R-63.4	1,349	621	728	R-[illegible]
NM	457	168	251	R-54.9	514	202	307	R-59.7	497	237	261	R-[illegible]
AZ	874	247	530	R-60.6	1,026	334	681	R-66.4	1,142	447	694	R-[illegible]
UT	604	124	440	R-72.8	630	155	469	R-74.5	634	207	427	R-[illegible]
NV	248	67	155	R-62.5	287	92	189	R-65.8	339	133	206	R-[illegible]
Pac	**11,973**	**4,369**	**6,177**	**R-51.6**	**13,159**	**5,476**	**7,528**	**R-57.2**	**12,458**	**6,123**	**6,335**	R-[illegible]
WA	1,742	650	865	R-49.7	1,884	807	1,052	R-55.8	1,645	845	800	D-[illegible]
OR	1,182	457	571	R-48.3	1,227	536	686	R-55.9	1,093	575	518	D-[illegible]
CA	8,587	3,084	4,525	R-52.7	9,505	3,923	5,467	R-57.5	9,205	4,448	4,756	R-[illegible]
AK	158	42	86	R-54.3	208	62	138	R-66.7	165	62	102	R-[illegible]
HI	303	136	130	D-44.8	336	147	185	R-55.1	351	192	159	D-[illegible]

[1] Includes other parties. [2] Based on unofficial returns compiled by the News Election Service. Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 46, No. 46, Nov. 12. 1988. (Copyright.)

Source: Except as noted, Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

No. 414. Vote Cast for United States Senators, by Major Political Party—States: 1984 to 1988

[In thousands, except percent. Except as noted, excludes elections to fill vacancies for unexpired term]

Division and State	1984				1986				1988 [2]			
	Total [1]	Democratic	Republican	Percent for leading party	Total [1]	Democratic	Republican	Percent for leading party	Total	Democratic	Republican	Percent for leading party
N. Eng.:												
ME	551	143	404	73.3	(x)	(x)	(x)	(x)	551	447	104	81.1
NH	384	157	226	58.7	245	79	154	62.9	(x)	(x)	(x)	(x)
VT	(x)	(x)	(x)	(x)	197	124	68	63.2	234	72	162	69.4
MA	2,530	1,393	1,137	55.1	(x)	(x)	(x)	(x)	2,554	1,676	878	65.6
RI	395	287	108	72.6	(x)	(x)	(x)	(x)	382	174	207	54.3
CT	(x)	(x)	(x)	(x)	977	633	340	64.8	1,361	686	675	50.4
Mid. Atl.:												
NY	(x)	(x)	(x)	(x)	4,179	1,723	2,378	56.9	[1] 5,784	3,892	1,828	67.3
NJ	3,096	1,987	1,080	64.2	(x)	(x)	(x)	(x)	2,857	1,553	1,304	54.4
PA	(x)	(x)	(x)	(x)	3,378	1,448	1,907	56.4	4,302	1,410	2,892	67.2
E. No. Cent.:												
OH	(x)	(x)	(x)	(x)	3,121	1,949	1,172	62.5	4,344	2,474	1,870	56.9
IN	(x)	(x)	(x)	(x)	1,546	595	936	60.6	2,084	673	1,412	67.7
IL	4,787	2,397	2,308	50.1	3,123	2,034	1,054	65.1	(x)	(x)	(x)	(x)
MI	3,701	1,916	1,745	51.8	(x)	(x)	(x)	(x)	3,453	2,107	1,348	61.0
WI	(x)	(x)	(x)	(x)	1,483	703	755	50.9	2,149	1,122	1,027	52.2
W. No. Cent.:												
MN	2,066	[illegible]	1,200	58.1	(x)	(x)	(x)	(x)	[1] 2,069	853	1,172	56.6
IA	1,293	717	564	55.5	892	299	589	66.0	(x)	(x)	(x)	(x)
MO	(x)	(x)	(x)	(x)	1,477	700	778	52.6	2,072	660	1,412	68.1
ND	(x)	(x)	(x)	(x)	289	144	142	49.8	284	172	112	60.5
SD	316	81	235	74.5	296	153	143	51.6	(x)	(x)	(x)	(x)
NE	640	332	307	51.9	(x)	(x)	(x)	(x)	[1] 654	371	272	56.8
KS	997	212	757	76.0	824	247	577	70.0	(x)	(x)	(x)	(x)
So. Atl.:												
DE	246	148	98	60.1	(x)	(x)	(x)	(x)	226	85	141	62.4
MD	(x)	(x)	(x)	(x)	1,113	675	437	60.7	1,542	953	569	61.8
VA	2,007	601	1,406	70.0	(x)	(x)	(x)	(x)	2,069	1,474	594	71.3
WV	722	374	345	51.8	(x)	(x)	(x)	(x)	631	409	222	64.8
NC	2,239	1,070	1,157	51.7	1,591	824	768	51.8	(x)	(x)	(x)	(x)
SC	965	307	645	66.8	738	466	263	63.1	(x)	(x)	(x)	(x)
GA	1,681	1,344	337	79.9	1,225	624	601	50.9	(x)	(x)	(x)	(x)
FL	(x)	(x)	(x)	(x)	3,430	1,878	1,552	54.7	4,059	2,015	2,045	50.4
E. So. Cent.:												
KY	1,292	640	645	49.9	677	504	173	74.4	(x)	(x)	(x)	(x)
TN	1,648	1,001	557	60.7	(x)	(x)	(x)	(x)	1,556	1,021	535	65.6
AL	1,371	861	499	62.8	1,212	609	603	50.3	(x)	(x)	(x)	(x)
MS	952	372	580	60.9	(x)	(x)	(x)	(x)	918	431	487	53.1
W. So. Cent.:												
AR	876	502	374	57.3	695	433	262	62.3	(x)	(x)	(x)	(x)
LA	(3)	(3)	(3)	(3)	1,370	724	646	52.8	(x)	(x)	(x)	(x)
OK	1,198	906	281	75.6	894	400	493	55.2	(x)	(x)	(x)	(x)
TX	5,319	2,203	3,116	58.6	(x)	(x)	(x)	(x)	5,232	3,120	2,112	59.6
Mt.:												
MT	379	216	154	56.9	(x)	(x)	(x)	(x)	364	175	189	51.9
ID	406	106	293	72.2	382	185	197	51.6	(x)	(x)	(x)	(x)
WY	187	41	146	78.3	(x)	(x)	(x)	(x)	181	90	91	50.3
CO	1,298	449	834	64.2	1,061	529	513	49.9	(x)	(x)	(x)	(x)
NM	503	141	361	71.9	(x)	(x)	(x)	(x)	490	310	180	63.2
AZ	(x)	(x)	(x)	(x)	863	341	522	60.5	1,124	651	473	57.9
UT	(x)	(x)	(x)	(x)	435	116	315	72.3	631	203	428	67.8
NV	(x)	(x)	(x)	(x)	262	131	117	50.0	337	176	161	52.1
Pac.:												
WA	[4] 1,213	[4] 541	[4] 672	[4] 55.4	1,337	677	651	50.7	1,655	815	840	50.8
OR	1,215	406	808	66.5	1,043	376	656	63.0	(x)	(x)	(x)	(x)
CA	(x)	(x)	(x)	(x)	7,399	3,647	3,542	49.3	8,895	4,060	4,835	54.4
AK	206	59	147	71.2	181	80	98	54.0	(x)	(x)	(x)	(x)
HI	(x)	(x)	(x)	(x)	320	242	67	73.6	315	248	67	78.7

X Not applicable. [1] Includes vote cast for minor parties. [2] Based on unofficial returns compiled by the News Election Service. Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 46, No. 46, Nov. 12, 1988. (Copyright.) [3] Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected; if no candidate receives 50 percent, there is a run-off election in November between the top two finishers. [4] 1983 election to fill vacancy caused by death of Senator Jackson.

Source: Except as noted, Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

NO. 415. VOTE CAST FOR UNITED STATES REPRESENTATIVES, BY MAJOR POLITICAL PARTIES— STATES: 1982 TO 1986

[**In thousands, except percent.** In each State, totals represent the sum of votes cast in each Congressional District or votes
for Representative at Large in States where only one member is elected. In all years there are numerous districts within
State where either the Republican or Democratic party had no candidate. In some States the Republican and Democratic
includes votes cast for the party candidate by endorsing parties. See also *Historical Statistics, Colonial Times to 1970,* series
211-214]

REGION, DIVISION, AND STATE	1982				1984				1986		
	Total [1]	Democratic	Republican	Percent for leading party	Total [1]	Democratic	Republican	Percent for leading party	Total [1]	Democratic	Republican
U.S.[2]	**64,514**	**35,896**	**27,799**	**D-55.3**	**83,231**	**43,539**	**38,956**	**D-52.3**	**59,619**	**32,540**	**26,532**
Region:											
Northeast	14,636	8,124	6,240	D-55.5	19,179	10,116	8,916	D-52.8	12,405	6,820	5,363
Midwest	19,088	10,369	8,550	D-54.3	24,171	12,230	11,813	D-50.6	16,981	8,954	7,988
South [2]	16,826	10,225	6,377	D-60.8	22,904	13,226	9,526	D-57.7	16,451	9,819	6,519
West	13,961	6,975	6,631	D-50.0	16,978	7,964	8,703	R-51.3	13,786	6,949	6,830
N. Eng	**4,180**	**2,390**	**1,733**	**D-57.2**	**5,309**	**2,822**	**2,435**	**D-53.2**	**3,641**	**2,122**	**1,433**
ME	452	187	261	R-57.7	542	162	375	R-69.2	422	165	249
NH	269	114	154	R-57.3	373	119	251	R-67.2	241	84	156
VT	165	38	114	R-69.2	226	60	148	R-65.4	189	-	168
MA	1,890	1,300	561	D-68.8	2,346	1,618	704	D-69.0	1,503	1,198	250
RI	333	174	158	D-52.2	390	[3] 195	[3] 195	R-50.0	306	130	176
CT	1,071	577	485	D-53.9	1,432	668	762	R-53.2	980	545	434
Mid. Atl	**10,456**	**5,734**	**4,507**	**D-54.8**	**13,870**	**7,294**	**6,481**	**D-52.6**	**8,764**	**4,698**	**3,930**
NY [4]	4,681	2,617	1,940	D-55.9	6,218	3,255	2,898	D-52.4	3,904	2,132	1,665
NJ	2,146	1,206	915	D-56.2	2,992	1,508	1,471	D-50.4	1,554	803	739
PA	3,629	1,911	1,652	D-52.7	4,660	2,531	2,112	D-54.3	3,306	1,763	1,526
E. No. Cent	**12,994**	**7,221**	**5,635**	**D-55.6**	**16,618**	**8,417**	**8,110**	**D-50.7**	**11,350**	**5,969**	**5,331**
OH	3,326	1,807	1,457	D-54.3	4,332	2,134	2,159	R-49.8	3,067	1,512	1,536
IN	1,796	882	910	R-50.7	2,180	1,022	1,147	R-52.6	1,556	788	756
IL	3,613	2,093	1,506	D-57.9	4,579	2,367	2,204	D-51.7	3,017	1,623	1,393
MI	2,808	1,670	1,093	D-59.4	3,452	1,861	1,567	D-53.9	2,327	1,342	977
WI	1,451	769	667	D-53.0	2,075	[5] 1,033	[5] 1,033	D-49.8	1,363	704	669
W. No. Cent	**6,094**	**3,148**	**2,915**	**D-51.7**	**7,553**	**3,813**	**3,703**	**D-50.5**	**5,631**	**2,985**	**2,637**
MN	1,750	956	778	D-54.6	1,975	1,061	902	D-53.7	1,393	832	558
IA	1,005	529	475	D-52.6	1,269	595	673	R-53.1	890	428	461
MO	1,528	872	653	D-57.0	2,040	1,130	903	D-55.4	1,430	828	600
ND	260	187	72	D-71.6	309	243	66	D-78.7	288	216	67
SD	276	142	134	D-51.6	316	181	135	D-57.4	290	171	118
NE	519	116	402	R-77.5	650	168	482	R-74.2	555	197	358
KS	756	346	401	R-53.0	994	435	542	R-54.5	787	313	475
So. Atl.[2]	**8,367**	**4,950**	**3,345**	**D-59.2**	**11,486**	**6,414**	**5,003**	**D-55.8**	**8,284**	**4,991**	**3,249**
DE	188	99	87	D-52.4	243	142	101	D-58.5	161	106	54
MD	1,091	743	349	D-68.1	1,495	955	536	D-63.9	1,063	669	394
DC	113	93	17	D-83.0	162	155	-	D-95.6	127	102	18
VA	1,335	630	690	R-51.7	1,838	795	1,003	R-54.6	1,043	545	467
WV	546	343	202	D-62.8	704	429	275	D-60.9	396	299	97
NC	1,321	708	580	D-53.6	2,158	1,131	1,026	D-52.4	1,573	890	682
SC	657	353	295	D-53.7	928	471	441	D-50.7	717	453	261
GA	904	670	225	D-74.1	1,521	1,091	430	D-71.7	1,062	773	289
FL [6] [7]	2,212	1,311	900	D-59.3	2,437	1,245	1,191	D-51.1	2,142	1,154	987
E. So. Cent	**3,478**	**2,156**	**1,283**	**D-62.0**	**4,522**	**2,728**	**1,753**	**D-60.3**	**3,375**	**2,006**	**1,346**
KY	700	413	280	D-59.0	1,188	657	529	D-55.3	630	375	253
TN	1,176	698	470	D-59.4	1,316	726	569	D-55.2	1,105	636	449
AL	961	677	273	D-70.4	1,149	822	308	D-71.5	1,116	679	436
MS	641	368	260	D-57.5	869	523	327	D-60.2	524	316	208
W. So. Cent	**4,981**	**3,119**	**1,749**	**D-62.6**	**6,896**	**4,084**	**2,770**	**D-59.2**	**4,792**	**2,822**	**1,924**
AR [6] [8]	759	397	362	D-52.4	463	341	91	D-73.7	666	387	268
LA [9]	517	336	142	D-65.0	642	402	239	D-62.7	391	288	102
OK [6] [10]	856	539	310	D-63.0	1,111	646	458	D-58.1	725	430	291
TX	2,849	1,847	935	D-64.8	4,680	2,695	1,982	D-57.6	3,010	1,717	1,263
Mt	**3,573**	**1,573**	**1,925**	**R-53.9**	**4,527**	**1,672**	**2,776**	**R-61.3**	**3,748**	**1,591**	**2,142**
MT	317	166	142	D-52.4	371	187	179	D-50.5	318	172	146
ID	321	151	170	R-53.0	405	165	240	R-59.3	376	163	208
WY	159	46	113	R-71.1	188	46	138	R-73.6	180	49	111
CO	946	448	485	R-51.2	1,248	436	780	R-62.5	1,018	450	566
NM	395	203	192	D-51.4	500	201	294	R-58.9	388	179	207
AZ	711	300	395	R-55.5	943	320	603	R-63.9	804	260	540
UT	490	145	312	R-63.7	601	208	387	R-64.5	429	197	230
NV	234	114	116	R-49.5	271	109	155	R-57.3	257	121	134
Pac	**10,388**	**5,402**	**4,706**	**D-52.0**	**12,451**	**6,292**	**5,927**	**D-50.5**	**10,038**	**5,358**	**4,538**
WA	1,307	690	604	D-52.8	1,808	997	800	D-55.1	1,295	768	527
OR	1,015	578	437	D-56.9	1,203	655	548	D-54.4	1,032	585	446
CA	7,587	3,815	3,537	D-50.3	8,958	4,327	4,424	R-49.4	7,200	3,744	3,328
AK	181	52	128	R-70.8	206	96	114	R-55.0	180	74	102
HI	298	267	-	D-89.6	276	227	41	D-82.5	331	187	135

- Represents zero. [1] Includes vote cast for minor parties. [2] Includes vote cast for non-voting Delegate at Large
District of Columbia. [3] Total vote for Republican candidates was 195,077; for Democratic candidates, 194,942. [4] Includ
votes cast by other endorsing parties for Democratic and Republican candidates. [5] Total vote for Democratic candidates w
1,033,033; for Republican candidates, 1,032,948. [6] State law does not require tabulation of votes for unopposed candida
[7] In 1982 Districts 8, 10 and 17 were unopposed; in 1984 Districts 1, 2, 3, 5, 12, 13 and 17 were unopposed; in 1986 Districts
4, 5, 7, 8, 15 and 17 were unopposed. [8] 1984, no data for District 3. [9] 1982 and 1984 data are for September open prim
because there were no general election runoffs. 1986 data are for general election runoffs in two districts. 1986 open prim
totals—total, 755,680; Democratic, 599,291; Republican, 148,007. [10] In 1986 District 6 was unopposed.

Source: Elections Research Center, Washington, DC, *America Votes,* biennial. (Copyright.)

No. 416. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—CONGRESSIONAL DISTRICTS: 1988

[Based on apparent winners as of Nov. 11, 1988. In some States the Democratic and Republican vote includes votes cast for the party candidate by endorsing parties]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Percent of total	Name	Percent of total
AL	1,128	(x)	(x)	(x)	(x)
1st	182	Tyson	41	Callahan	59
2d	115	(1)	(1)	Dickinson	94
3d	118	Nichols	91	(1)	(1)
4th	122	Bevill	93	(1)	(1)
5th	184	Flippo	65	McDonald	35
6th	206	Erdreich	67	Caddis	33
7th	200	Harris	68	Bacon	32
AK	168	Gruenstein	37	Young	63
AZ	1,077	(x)	(x)	(x)	(x)
1st	255	Fillmore	28	Rhodes	72
2d	137	Udall	73	Sweeney	27
3d	245	Moss	29	Stump	71
4th	200	(1)	(1)	Kyl	87
5th	240	Belcher	32	Kolbe	68
AR	(NA)	(x)	(x)	(x)	(x)
1st	(NA)	Alexander	(NA)	(1)	(1)
2d	170	Robinson	83	Carpenter	17
3d	215	Stewart	25	Hammerschmidt	75
4th	183	Anthony	69	Bell	31
CA	8,463	(x)	(x)	(x)	(x)
1st	218	Bosco	69	Vanderbilt	31
2d	223	Meyer	40	Herger	60
3d	246	Matsui	71	Landowski	29
4th	(NA)	Fazio	(NA)	(1)	(1)
5th	140	Pelosi	81	O'Neill	19
6th	218	Boxer	74	Steinmetz	26
7th	230	Miller	69	Last	31
8th	222	Dellums	69	Cuddihy	31
9th	200	Stark	73	Hertz	27
10th	154	Edwards	86	(1)	(1)
11th	186	Lantos	75	Quraishi	25
12th	237	Eshoo	48	Campbell	52
13th	192	Mineta	69	Sommer	31
14th	266	Malberg	37	Shumway	63
15th	157	Coelho	71	Harner	29
16th	214	Panetta	79	Monteith	21
17th	172	Lavery	29	Pashayan	71
18th	172	Lehman	70	Linn	30
19th	214	Hart	49	Lagomarsino	51
20th	214	Reid	28	Thomas	72
21st	243	Stevens	30	Gallegly	70
22d	215	Simmons	27	Moorhead	73
23d	213	Beilenson	66	Salomon	34
24th	142	Waxman	75	Cowles	25
25th	94	Roybal	85	(1)	(1)
26th	172	Berman	70	Broderson	30
27th	203	Levine	70	Galbraith	30
28th	132	Dixon	80	Adams	20
29th	99	Hawkins	86	Franco	14
30th	111	Martinez	62	Ramirez	38
31st	132	Dymally	74	May	26
32d	157	Anderson	69	Kahn	31
33d	201	Gentry	28	Dreier	72
34th	137	Torres	64	House	36
35th	245	Sweeney	28	Lewis	72
36th	179	Brown	56	Stark	44
37th	249	Pearson	34	McCandless	66
38th	132	Yudelson	37	Dornan	63
39th	211	Marquis	24	Dannemeyer	76
40th	247	Lenney	31	Cox	69
41st	255	Kripke	32	Lowery	68
42d	219	Kimbrough	34	Rohrabacher	66
43d	257	Greenebaum	26	Packard	74
44th	137	Bates	62	Butterfield	38
45th	205	Lepiscopo	25	Hunter	75
CO	1,312	(x)	(x)	(x)	(x)
1st	191	Schroeder	70	Wood	30
2d	235	Skaggs	63	Bath	37
3d	218	Campbell	78	Zartman	22
4th	213	Vigil	27	Brown	73
5th	242	Mitchell	25	Hefley	75
6th	214	Ezzard	36	Schaefer	64
CT	1,333	(x)	(x)	(x)	(x)
1st	226	Kennelly	77	Robles	23
2d	226	Gejdenson	64	Carberry	36
3d	218	Morrison	66	Patton	34
4th	202	Pearson	27	Shays	73
5th	222	Marinan	26	Rowland	74
6th	236	Griffin	33	Johnson	67
DE	218	Carper	67	Krapf	33
FL	(NA)	(x)	(x)	(x)	(x)
1st	186	Hutto	69	Armbruster	31
2d	(NA)	Grant	(NA)	(1)	(1)
3d	(NA)	Bennett	(NA)	(1)	(1)
4th	250	Chappell	50	James [2]	50
5th	(NA)	(1)	(1)	McCollum	(NA)
6th	251	Mills	47	Stearns	53
7th	(NA)	Gibbons	(NA)	(1)	(1)
8th	231	Wimbish	27	Young	73
9th	(NA)	(1)	(1)	Bilirakis	(NA)
10th	212	Higginbottom	26	Ireland	74
11th	271	Nelson	61	Tolley	39
12th	(NA)	(1)	(1)	Lewis	(NA)
13th	325	Conway	29	Goss	71
14th	315	Johnston	55	Adams	45
15th	200	Kuhle	34	Shaw	66
16th	218	Smith, L	70	Smith, J	30
17th	(NA)	Lehman	(NA)	(1)	(1)
18th	(NA)	Pepper	(NA)	(1)	(1)
19th	177	Fascell	73	Rocheteau	27
GA	(NA)	(x)	(x)	(x)	(x)
1st	136	Thomas	67	Meredith	33
2d	137	Hatcher	62	Hudgens	38
3d	(NA)	Ray	(NA)	(1)	(1)
4th	246	Jones	60	Swindall	40
5th	173	Lewis	78	Tibbs	22
6th	187	Worley	41	Gingrich	59
7th	208	Darden	65	Lamutt	35
8th	(NA)	Rowland	(NA)	(1)	(1)
9th	191	Jenkins	63	Hoffman	37
10th	182	Barnard	64	Myers	36
HI	336	(x)	(x)	(x)	(x)
1st	173	Bitterman	44	Saiki	56
2d	163	Akaka	89	(1)	(1)
ID	395	(x)	(x)	(x)	(x)
1st	201	Givens	34	Craig	66
2d	194	Stallings	64	Watkins	36
IL	(NA)	(x)	(x)	(x)	(x)
1st	163	Hayes	96	Evans	4
2d	159	Savage	82	Hespel	18
3d	208	Russo	62	McCarthy	38
4th	162	Sangmeister [3]	50	Davis	50
5th	151	Lipinski	61	Holowinski	39
6th	208	Andrle	26	Hyde	74
7th	(NA)	Collins	(NA)	(1)	(1)
8th	138	Rostenkowski	75	Vetter	25
9th	199	Yates	67	Sohn	33
10th	219	Freidman	28	Porter	72
11th	199	Annunzio	64	Gottlieb	36
12th	220	Leonardi	25	Crane	75
13th	249	Craig	30	Fawell	70

See footnotes at end of table.

NO. 418. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—CONGRESSIONAL DISTRICTS: 1988—Continued

[See headnote, p. 245]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Percent of total	Name	Percent of total
IL—Con.					
14th	218	Youhanaie	26	Hastert	74
15th	195	Curl	28	Madigan	72
16th	201	Mahan	36	Martin	64
17th	204	Evans	65	Stewart	35
18th	209	Stephens	45	Michel	55
19th	207	Bruce	64	Kerans	36
20th	221	Durbin	69	Jurgens	31
21st	201	Costello	53	Gaffner	47
22d	215	Poshard	65	Kelley	35
IN	2,082	(x)	(x)	(x)	(x)
1st	179	Visclosky	77	Crumpacker	23
2d	218	Sharp	53	Pence	47
3d	209	Ward	46	Hiler	54
4th	202	Long	38	Coats	62
5th	206	Jontz	56	Williams	44
6th	259	Holland	27	Burton	73
7th	213	Waterfill	39	Myers	61
8th	229	McCloskey	62	Myers	38
9th	209	Hamilton	71	Coates	29
10th	167	Jacobs	61	Cummings	39
IA	1,176	(x)	(x)	(x)	(x)
1st	184	Gluba	39	Leach	61
2d	196	Tabor	43	Tauke	57
3d	203	Nagle	63	Redfern	37
4th	214	Smith	72	Lunde	28
5th	183	Fraund	36	Lightfoot	64
6th	195	O'Brien	36	Grandy	64
KS	(NA)	(x)	(x)	(x)	(x)
1st	(NA)	(1)	(1)	Roberts	(NA)
2d	165	Slattery	73	Meinhardt	27
3d	203	Kunst	26	Meyers	74
4th	192	Glickman	64	Thompson	36
5th	181	Barnes	30	Whittaker	70
KY	(NA)	(x)	(x)	(x)	(x)
1st	123	Hubbard	95	(1)	(1)
2d	152	Natcher	61	Tori	39
3d	189	Mazzoli	70	Dunnagan	30
4th	194	Beliles	26	Bunning	74
5th	(NA)	(1)	(1)	Rogers	(NA)
6th	174	Patton	26	Hopkins	74
7th	165	Perkins	59	Scott	41
LA [4]	(NA)	(x)	(x)	(x)	(x)
1st	(x)	(x)	(x)	Livingston [5]	(x)
2d	(x)	Boggs [5]	(x)	(x)	(x)
3d	(x)	Tauzin [5]	(x)	(x)	(x)
4th	(x)	(x)	(x)	McCrery [5]	(x)
5th	(x)	Huckaby [5]	(x)	(x)	(x)
6th	(x)	(x)	(x)	Baker [5]	(x)
7th	(x)	Hayes [5]	(x)	(x)	(x)
8th	204	Williams	43	Holloway	57
ME	548	(x)	(x)	(x)	(x)
1st	300	Brennan	63	O'Meara	37
2d	248	Hayes	34	Snowe	66
MD	(NA)	(x)	(x)	(x)	(x)
1st	189	Dyson [6]	50	Gilchrest	50
2d	213	Bartenfelder	29	Bentley	71
3d	175	Cardin	73	Pierpont	27
4th	179	McMillen	68	McClanahan	31
5th	158	Hoyer	79	Sellner	21
6th	210	Byron	76	Halsey	24
7th	(NA)	Mfume	(NA)	(1)	(1)
8th	259	Franchot	37	Morella	63
MA	(NA)	(x)	(x)	(x)	(x)
1st	226	Arden	17	Conte	83
2d	183	Neal	80	(1)	(1)
3d	(NA)	Early	(NA)	(1)	(1)
MA—Con.					
4th	241	Frank	70	Tucker	30
5th	216	Atkins	84	(1)	(1)
6th	253	Mavroules	70	McCarthy	30
7th	(NA)	Markey	(NA)	(1)	(1)
8th	205	Kennedy	80	Fiscus	20
9th	(NA)	Moakley	(NA)	(1)	(1)
10th	278	Studds	67	Bryan	33
11th	210	Donnelly	81	Gilleran	19
MI	3,416	(x)	(x)	(x)	(x)
1st	139	Conyers	92	Ashe	8
2d	218	Pollack	45	Pursell	55
3d	196	Wolpe	57	Allgaier	43
4th	186	Rivers	29	Upton	71
5th	228	Catchick	27	Henry	73
6th	189	Carr	60	Schultz	40
7th	198	Kildee	76	Coad	24
8th	194	Traxler	72	Buhl	28
9th	215	Gawron	31	Vander Jagt	69
10th	207	Forbes	27	Schuette	73
11th	215	Irwin	40	Davis	60
12th	198	Bonior	54	Carl	46
13th	113	Crockett	89	Savage	11
14th	180	Hertel	64	McNeely	36
15th	161	Ford	65	Adkins	35
16th	136	Dingell	97	(1)	(1)
17th	191	Levin	71	Flessland	29
18th	251	Kohut	22	Broomfield	78
MN	1,949	(x)	(x)	(x)	(x)
1st	227	Penny	70	Schrimpf	30
2d	228	Peterson	42	Weber	58
3d	315	Carlson	32	Frenzel	68
4th	246	Vento	73	Maitland	27
5th	234	Sabo	74	Gilbertson	26
6th	256	Sikorski	65	Ploetz	35
7th	222	Hanson	45	Stangeland	55
8th	222	Oberstar	75	Shuster	25
MS	906	(x)	(x)	(x)	(x)
1st	176	Whitten	78	Bush	22
2d	168	Espy	66	Coleman	34
3d	185	Montgomery	89	Bourland	11
4th	196	Parker	55	Collins	45
5th	181	Taylor	45	Smith	55
MO	2,052	(x)	(x)	(x)	(x)
1st	194	Clay	73	Schwan	27
2d	278	Feigenbaum	33	Buechner	67
3d	237	Gephardt	63	Hearne	37
4th	231	Skelton	70	Eyerly	30
5th	210	Wheat	71	Lobb	29
6th	227	Hughes	41	Coleman	59
7th	239	Bacon	47	Hancock	53
8th	201	Cryts	42	Emerson	58
9th	235	Volkmer	68	Dudley	32
MT	363	(x)	(x)	(x)	(x)
1st	189	Williams	61	Fenlason	39
2d	174	O'Brien	44	Marlenee	56
NE	642	(x)	(x)	(x)	(x)
1st	216	Jones	33	Bereuter	67
2d	215	Hoagland	51	Schenken	49
3d	211	Racek	21	Smith	79
NV	336	(x)	(x)	(x)	(x)
1st	155	Bilbray	66	Lusk	34
2d	181	Spoo	42	Vucanovich	58
NH	425	(x)	(x)	(x)	(x)
1st	215	Keefe	40	Smith	60
2d	209	Doncheas	43	Douglas	57

See footnotes at end of table.

No. 416. Vote Cast for United States Representatives by Major Political Party—Congressional Districts: 1988—Continued

[See headnote, p. 245]

State and district	Total vote cast (1,000)	Democratic candidate		Republican candidate	
		Name	Percent of total	Name	Percent of total
NJ	(NA)	(x)	(x)	(x)	(x)
1st	197	Florio	70	Cristaudo	30
2d	196	Hughes	67	Conover	33
3d	225	Pallone	52	Azzolina	47
4th	224	Holland	33	Smith	67
5th	221	Monaco	24	Roukema	76
6th	193	Dwyer	62	Sica	38
7th	203	Hely	25	Rinaldo	75
8th	(NA)	Roe	(NA)	(1)	(1)
9th	202	Torricelli	67	Lane	33
10th	97	Payne	86	Webb	14
11th	206	Shaw	30	Gallo	70
12th	232	Weinstein	30	Courter	70
13th	227	Smith	31	Saxton	69
14th	145	Guarini	70	Theemling	30
NM	(NA)	(x)	(x)	(x)	(x)
1st	156	Udall	48	Schiff	52
2d	(NA)	(1)	(1)	Skeen	(NA)
3d	173	Richardson	72	Salazar	28
NY	(NA)	(x)	(x)	(x)	(x)
1st	200	Hochbrueckner	51	Romaine	49
2d	168	Downey	61	Cardino	39
3d	217	Mrazek	57	Previdi	41
4th	215	Goban	28	Lent	70
5th	206	Kelly	33	McGrath	65
6th	106	Flake	85	(1)	(1)
7th	(NA)	Ackerman	(NA)	(1)	(1)
8th	(NA)	Scheuer	(NA)	(1)	(1)
9th	(NA)	Manton	(NA)	(1)	(1)
10th	132	Schumer	78	Popielarski	18
11th	80	Towns	89	Hussain	9
12th	76	Owens	93	Augustine	7
13th	105	Solarz	74	Curci	26
14th	150	O'Donovan	37	Molinari	63
15th	163	Doukas	37	Green	61
16th	105	Rangel	98	Liccione	2
17th	176	Weiss	84	Albert	16
18th	79	Garcia	92	Brown	7
19th	125	Engel	59	Biaggi	29
20th	187	Lowey	50	DioGuardi	48
21st	188	Grunberger	24	Fish	74
22d	192	Burlingham	26	Gilman	71
23d	232	McNulty	62	Bakal	38
24th	219	Beye	28	Solomon	72
25th	(NA)	(1)	(1)	Boehlert	(NA)
26th	171	Ravenscroft	26	Martin	74
27th	215	Pooler	42	Walsh	57
28th	145	McHugh	93	(1)	(1)
29th	191	Vogel	29	Horton	66
30th	221	Slaughter	57	Bouchard	39
31st	215	Swarts	46	Paxon	54
32d	180	LaFalce	72	Everett	28
33d	(NA)	Nowak	(NA)	(1)	(1)
34th	130	(1)	(1)	Houghton	97
NC	(NA)	(x)	(x)	(x)	(x)
1st	181	Jones	65	Moye	35
2d	(NA)	Valentine	(NA)	(1)	(1)
3d	(NA)	Lancaster	(NA)	(1)	(1)
4th	227	Price	58	Fetzer	42
5th	210	Neal	53	Gray	47
6th	186	Gilmore	38	Coble	62
7th	154	Rose	66	Thompson	34
8th	192	Hefner	51	Blanton	49
9th	214	Sholander	34	McMillan	66
10th	183	Rhyne	39	Ballenger	61
11th	215	Clarke [7]	50	Taylor	50
ND	295	Dorgan	72	Sydness	28
OH	(NA)	(x)	(x)	(x)	(x)
1st	206	Luken	56	Chabot	44
2d	212	Stidham	28	Gradison	72
3d	184	Hall	77	Crutcher	23
4th	(NA)	(1)	(1)	Oxley	(NA)
5th	204	Murray	39	Gillmor	61
6th	205	Roberts	26	McEwen	74
7th	193	Schira	26	DeWine	74
8th	202	Griffin	24	Lukens	76
9th	193	Kaptur	79	Hawkins	21
10th	200	Buchanan	28	Miller	72
11th	202	Eckart	61	Mueller	39
12th	195	Brown	21	Kasich	79
13th	196	Pease	70	Brown	30
14th	199	Sawyer	75	Lang	25
15th	195	Froehlich	25	Wylie	75
16th	202	Gravely	21	Regula	79
17th	210	Traficant	77	Lenz	23
18th	195	Applegate	78	Abraham	22
19th	237	Feighan	71	Roberts	29
20th	177	Oakar	83	Sajna	17
21st	172	Stokes	85	Roski	15
OK	(NA)	(x)	(x)	(x)	(x)
1st	197	Glassco	47	Inhofe	53
2d	210	Synar	65	Phillips	35
3d	(NA)	Watkins	(NA)	(1)	(1)
4th	(NA)	McCurdy	(NA)	(1)	(1)
5th	193	Montgomery	28	Edwards	72
6th	168	English	73	Brown	27
OR	(NA)	(x)	(x)	(x)	(x)
1st	228	AuCoin	70	Molander	30
2d	194	Tuttle	38	Smith	62
3d	(NA)	Wyden	(NA)	(1)	(1)
4th	145	DeFazio	72	Howard	28
5th	222	Kopetski	50	Smith [8]	50
PA	(NA)	(x)	(x)	(x)	(x)
1st	160	Foglietta	75	O'Brien	25
2d	188	Gray	94	Harsch	6
3d	206	Borski	63	Matthews	37
4th	176	Kolter	70	Johnston	30
5th	197	Hadley	23	Schulze	77
6th	179	Yatron	64	Erwin	36
7th	229	Landau	32	Weldon	68
8th	221	Kostmayer	58	Howard	42
9th	(NA)	(1)	(1)	Shuster	(NA)
10th	191	Cordaro	27	McDade	73
11th	(NA)	Kanjorski	(NA)	(1)	(1)
12th	(NA)	Murtha	(NA)	(1)	(1)
13th	228	Tomkin	33	Coughlin	67
14th	171	Coyne	79	Caligiuri	21
15th	186	Reibman	43	Ritter	57
16th	184	Guyll	26	Walker	74
17th	(NA)	(1)	(1)	Gekas	(NA)
18th	217	Walgren	63	Newman	37
19th	188	Ritchey	23	Goodling	77
20th	138	Gaydos	99	(1)	(1)
21st	179	Elder	22	Ridge	78
22d	170	Murphy	72	Hodgkiss	28
23d	168	Shakespeare	38	Clinger	62
RI	376	(x)	(x)	(x)	(x)
1st	182	St. Germain	44	Machtley	56
2d	194	Morgenthau	28	Schneider	72
SC	982	(x)	(x)	(x)	(x)
1st	154	Tillman	37	Ravenel	63
2d	178	Leventis	47	Spence	53
3d	164	Derrick	54	Jordan	46
4th	173	Patterson	52	White	48
5th	154	Spratt	70	Carley	30
6th	159	Tallon	76	Cunningham	24

See footnotes at end of table.

No. 416. Vote Cast for United States Representatives by Major Political Party—Congressional Districts: 1986—Continued

[See headnote, p. 245]

State and district	Total vote cast (1,000)	Democratic candidate		Republican candidate	
		Name	Percent of total	Name	Percent of total
SD	312	Johnson	72	Volk	28
TN	(NA)	(X)	(X)	(X)	(X)
1st	149	Smith	20	Quillen	80
2d	177	Taylor	44	Duncan	56
3d	189	Lloyd	57	Coker	43
4th	(NA)	Cooper	(NA)	(1)	(1)
5th	(NA)	Clement	(NA)	(1)	(1)
6th	161	Gordon	77	Embry	23
7th	177	Bloodworth	20	Sundquist	80
8th	150	Tanner	63	Bryant	37
9th	155	Ford	82	(1)	(1)
TX	(NA)	(X)	(X)	(X)	(X)
1st	201	Chapman	63	McQueen	37
2d	145	Wilson	88	(1)	(1)
3d	264	Cowden	18	Bartlett	82
4th	207	Hall	67	Sutton	33
5th	147	Bryant	61	Williams	39
6th	242	Kendrick	32	Barton	68
7th	233	Richards	21	Archer	79
8th	(NA)	(1)	(1)	Fields	(NA)
9th	(NA)	Brooks	(NA)	(1)	(1)
10th	229	Pickle	93	(1)	(1)
11th	134	Leath	95	(1)	(1)
12th	(NA)	Wright	(NA)	(1)	(1)
13th	187	Sarpalius	53	Milner	47
14th	207	Laughlin	54	Sweeney	46
15th	125	De La Garza	95	(1)	(1)
16th	(NA)	Coleman	(NA)	(1)	(1)
17th	(NA)	Stenholm	(NA)	(1)	(1)
18th	94	Leland	93	(1)	(1)
19th	167	McCathern	32	Combest	68
20th	131	Gonzalez	72	Trevino	26
21st	203	(1)	(1)	Smith	93
22d	184	Walker	32	DeLay	68
23d	171	Bustamante	66	Gonzales	34
24th	129	Frost	93	(1)	(1)
25th	157	Andrews	72	Loeffior	28
26th	279	Reyes	31	Armey	69
27th	(NA)	Ortiz	(NA)	(1)	(1)
UT	599	(X)	(X)	(X)	(X)
1st	218	McKay	40	Hansen	60
2d	192	Owens	58	Snelgrove	42
3d	189	Stringham	32	Nielson	68
VT	235	Poirier	19	Smith	42
VA	(NA)	(X)	(X)	(X)	(X)
1st	186	Ellenson	27	Bateman	73
2d	170	Pickett	63	Curry	37
3d	(NA)	(1)	(1)	Bliley	(NA)
4th	(NA)	Sisisky	(NA)	(1)	(1)
5th	176	Payne	55	Hawkins	45
6th	185	Olin	64	Judd	36
7th	(NA)	(1)	(1)	Slaughter	(NA)
8th	248	Brickley	38	Parris	62
9th	179	Boucher	63	Brown	37
10th	276	Weinberg	32	Wolf	68
WA	(NA)	(X)	(X)	(X)	(X)
1st	251	Lindquist	45	Miller	55
2d	(NA)	Swift	(NA)	(1)	(1)
3d	199	Unsoeld [6]	50	Wight	50
4th	166	Golob	25	Morrison	75
5th	191	Foley	77	Derby	23
6th	149	Dicks	68	Cook	32
7th	206	McDermott	77	Edwards	23
8th	221	Kean	29	Chandler	71
WV	(NA)	(X)	(X)	(X)	(X)
1st	159	Mollohan	74	Tuck	26
2d	(NA)	Staggers	(NA)	(1)	(1)
3d	160	Wise	74	Hart	26
4th	127	Rahall	61	Brewster	39
WI	(NA)	(X)	(X)	(X)	(X)
1st	200	Aspin	76	Weaver	24
2d	258	Kastenmeier	58	Haney	42
3d	230	Krueger	32	Gunderson	68
4th	(NA)	Kleczka	(NA)	(1)	(1)
5th	219	Moody	64	Barnhill	36
6th	224	Garrett	26	Petri	74
7th	228	Obey	62	Hermening	38
8th	240	Baron	30	Roth	70
9th	247	Hickey	25	Sensenbrenner	75
WY	175	Sharratt	32	Cheney	68

NA Not available. X Not applicable. [1] No candidate. [2] The winning Republican candidate received 125,384 votes; the Democratic candidate, 124,667. [3] The winning Democratic candidate received 91,282 votes; the Republican candidate, 90,243.

[4] Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected; if no candidate receives 50 percent, there is a run-off election in November between the top two finishers. [5] Candidate listed won seat in open-primary. [6] The winning Democratic candidate received 95,411 votes; the Republican candidate, 93,980. [7] The winning Democratic candidate received 108,436 votes; the Republican candidate, 106,897. [8] The winning Republican candidate received 111,157 votes; the Democratic candidate, 110.487. [9] The winning Democratic candidate received 100,507 votes; the Republican candidate, 98,845.

Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 46, No. 46, Nov. 12, 1988. (Copyright.)

No. 417. Representatives Elected, by Percent of Vote Cast for Winner and Major Party, 1970 to 1986, and by State, 1986

[For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	TOTAL REPRESENTATIVES ELECTED				DEMOCRATS ELECTED				REPUBLICANS ELECTED				REPRESENTATIVES ELECTED WITH NO MAJOR PARTY OPPOSITION		
	Total	Percentage of vote: Under 55	Percentage of vote: 55-59.9	Percentage of vote: 60 and over	Total	Percentage of vote: Under 55	Percentage of vote: 55-59.9	Percentage of vote: 60 and over	Total	Percentage of vote: Under 55	Percentage of vote: 55-59.9	Percentage of vote: 60 and over	Total	Democrats	Republicans
1970	435	59	64	312	255	28	26	201	180	31	38	111	63	58	5
1972	[1] 435	[1] 67	60	308	242	28	29	185	192	38	31	123	54	46	8
1974	435	105	69	261	291	48	34	209	144	57	35	52	60	59	1
1976	435	76	62	297	292	52	32	208	143	24	30	89	52	46	6
1978	435	74	61	300	277	46	36	195	158	28	25	105	70	51	19
1980	435	78	63	294	243	35	35	173	192	43	28	121	54	39	15
1982	435	76	73	286	269	40	33	196	166	36	40	90	56	46	10
1984	435	58	56	321	253	33	38	182	182	25	18	139	68	54	14
1986, total	**435**	**46**	**41**	**348**	**258**	**22**	**18**	**218**	**177**	**24**	**23**	**130**	**75**	**57**	**18**
Region:															
Northeast	95	6	10	79	55	3	4	48	40	3	6	31	21	18	3
Midwest	113	16	10	87	62	7	6	49	51	9	4	38	8	4	4
South	142	16	12	114	96	7	6	83	46	9	6	31	44	34	10
West	85	8	9	68	45	5	2	38	40	3	7	30	2	1	1
N. Eng.	**24**	**2**	**2**	**20**	**15**	**1**	**1**	**13**	**9**	**1**	**1**	**7**	**8**	**7**	**1**
ME	2	1	-	1	1	1	-	-	1	-	-	1	-	-	-
NH	2	-	1	1	-	-	-	-	2	-	1	1	-	-	-
VT	1	-	-	1	-	-	-	-	1	-	-	1	1	-	1
MA	11	-	-	11	10	-	-	10	1	-	-	1	7	7	-
RI	2	-	1	1	1	-	1	-	1	-	-	1	-	-	-
CT	6	1	-	5	3	-	-	3	3	1	-	2	-	-	-
Mid. Atl.	**71**	**4**	**8**	**59**	**40**	**2**	**3**	**35**	**31**	**2**	**5**	**24**	**13**	**11**	**2**
NY	34	4	3	27	20	2	1	17	14	2	2	10	7	6	1
NJ	14	-	1	13	8	-	1	7	6	-	-	6	1	1	-
PA	23	-	4	19	12	-	1	11	11	-	3	8	5	4	1
E. No. Cent.	**80**	**10**	**5**	**65**	**46**	**6**	**4**	**36**	**34**	**4**	**1**	**29**	**6**	**3**	**3**
OH	21	2	-	19	11	2	-	9	10	-	-	10	2	1	1
IN	10	3	1	6	6	2	1	3	4	1	-	3	-	-	-
IL	22	4	1	17	13	2	1	10	9	2	-	7	1	-	1
MI	18	1	2	15	11	-	1	10	7	1	1	5	-	-	-
WI	9	-	1	8	5	-	1	4	4	-	-	4	3	2	1
W. No. Cent.	**33**	**6**	**5**	**22**	**16**	**1**	**2**	**13**	**17**	**5**	**3**	**9**	**2**	**1**	**1**
MN	8	2	-	6	5	-	-	5	3	2	-	1	-	-	-
IA	6	2	1	3	2	1	-	1	4	1	1	2	-	-	-
MO	9	2	2	5	5	-	1	4	4	2	1	1	1	1	-
ND	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-
SD	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-
NE	3	-	1	2	-	-	-	-	3	-	1	2	-	-	-
KS	5	-	-	5	2	-	-	2	3	-	-	3	1	-	1
So. Atl.	**69**	**11**	**6**	**52**	**48**	**5**	**2**	**41**	**21**	**6**	**4**	**11**	**19**	**14**	**5**
DE	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-
MD	8	2	1	5	6	1	-	5	2	1	1	-	-	-	-
VA	10	1	1	8	5	1	-	4	5	-	1	4	4	3	1
WV	4	-	-	4	4	-	-	4	-	-	-	-	1	1	-
NC	11	4	3	4	8	2	2	4	3	2	1	-	-	-	-
SC	6	3	-	3	4	1	-	3	2	2	-	-	1	1	-
GA	10	1	1	8	8	-	-	8	2	1	1	-	4	4	-
FL	19	-	-	19	12	-	-	12	7	-	-	7	9	5	4
E. So. Cent.	**28**	**2**	**3**	**23**	**19**	**2**	**2**	**15**	**9**	**-**	**1**	**8**	**7**	**5**	**2**
KY	7	-	1	6	4	-	-	4	3	-	1	2	3	2	1
TN	9	1	1	7	6	1	1	4	3	-	-	3	2	2	-
AL	7	-	1	6	5	-	1	4	2	-	-	2	1	-	1
MS	5	1	-	4	4	1	-	3	1	-	-	1	1	1	-
W. So. Cent.	**45**	**3**	**3**	**39**	**29**	**-**	**2**	**27**	**16**	**3**	**1**	**12**	**18**	**15**	**3**
AR	4	-	-	4	3	-	-	3	1	-	-	1	-	-	-
LA	8	1	1	6	5	-	[2] 1	4	3	1	-	2	7	5	2
OK	6	1	-	5	4	-	-	4	2	1	-	1	1	1	-
TX	27	1	2	24	17	-	1	16	10	1	1	8	10	9	1
Mt.	**24**	**6**	**2**	**16**	**9**	**4**	**1**	**4**	**15**	**2**	**1**	**12**	**1**	**-**	**1**
MT	2	1	-	1	1	-	-	1	1	1	-	-	-	-	-
ID	2	1	-	1	1	1	-	-	1	-	-	1	-	-	-
WY	1	-	-	1	-	-	-	-	1	-	-	1	-	-	-
CO	6	2	-	4	3	2	-	1	3	-	-	3	-	-	-
NM	3	-	-	3	1	-	-	1	2	-	-	2	-	-	-
AZ	5	-	-	5	1	-	-	1	4	-	-	4	1	-	1
UT	3	1	1	1	1	-	1	-	2	1	-	1	-	-	-
NV	2	1	1	-	1	1	-	-	1	-	1	-	-	-	-
Pac.	**61**	**2**	**7**	**52**	**36**	**1**	**1**	**34**	**25**	**1**	**6**	**18**	**1**	**1**	**-**
WA	8	1	-	7	5	-	-	5	3	1	-	2	-	-	-
OR	5	1	-	4	3	1	-	2	2	-	-	2	-	-	-
CA	45	-	5	40	27	-	1	26	18	-	4	14	1	1	-
AK	1	-	1	-	-	-	-	-	1	-	1	-	-	-	-
HI	2	-	1	1	1	-	-	1	1	-	1	-	-	-	-

- Represents zero. [1] Includes one Representative elected as an Independent. [2] Run off election between two Democratic candidates; no Republican candidate.

Source: Compiled by U.S. Bureau of the Census from Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 45, No. 11, March 14, 1987 and previous issues (copyright).

No. 418. Composition of Congress, by Political Party: 1961 to 1989

[D = Democratic, R = Republican. Data for beginning of first session of each Congress. Excludes vacancies at beginning of sessio
See also *Historical Statistics, Colonial Times to 1970,* series Y 204-210]

YEAR	Party and President	Congress	HOUSE			SENATE		
			Majority party	Minority party	Other	Majority party	Minority party	Oth
1961	D (Kennedy)	87th	D-263	R-174	-	D-65	R-35	-
1963	D (Kennedy)	88th	D-258	R-177	-	D-67	R-33	-
1965	D (Johnson)	89th	D-295	R-140	-	D-68	R-32	-
1967	D (Johnson)	90th	D-247	R-187	-	D-64	R-36	-
1969	R (Nixon)	91st	D-243	R-192	-	D-57	R-43	-
1971 [1]	R (Nixon)	92d	D-254	R-180	-	D-54	R-44	2
1973 [1] [2]	R (Nixon)	93d	D-239	R-192	1	D-56	R-42	2
1975 [3]	R (Ford)	94th	D-291	R-144	-	D-60	R-37	[illegible]
1977 [4]	D (Carter)	95th	D-292	R-143	-	D-61	R-38	1
1979 [4]	D (Carter)	96th	D-276	R-157	-	D-58	R-41	1
1981 [4]	R (Reagan)	97th	D-243	R-192	-	R-53	D-46	1
1983	R (Reagan)	98th	D-269	R-165	-	R-54	D-46	-
1985	R (Reagan)	99th	D-252	R-182	-	R-53	D-47	-
1987	R (Reagan)	100th	D-258	R-177	-	D-55	R-45	-
1989 [5]	R (Bush)	101st	D-260	R-175	-	D-55	R-45	-

- Represents zero. [1] Senate had 1 independent and 1 Conservative-Republican. [2] House had 1 Independent-Democr
[3] Senate had 1 Independent, 1 Conservative-Republican, and 1 undecided (New Hampshire). [4] Senate had 1 Independen
[5] Based on apparent winners as of Nov. 11, 1988. Source: Congressional Quarterly, Inc., Washington, DC, *Congressiona Quarterly Weekly Report,* vol. 45, No. 46, Nov. 12, 1988.

Source: Except as noted, U.S. Congress, Joint Committee on Printing, *Congressional Directory,* annual; beginning 1977, bienn

No. 419. U.S. Congress—Measures Introduced and Enacted and Time in Sesssion: 1971 to 1987

[Excludes simple and concurrent resolutions. See also *Historical Statistics, Colonial Times to 1970,* series Y 189-198]

ITEM	92d Cong., **1971-72**	93d Cong., **1973-74**	94th Cong., **1975-76**	95th Cong., **1977-78**	96th Cong., **1979-80**	97th Cong., **1981-82**	98th Cong., **1983-84**	99th Cong., **1985-86**	100th Cong., **1987**
Measures introduced	22,969	23,396	21,096	19,387	12,583	11,490	11,156	9,885	[illegible]
Bills	21,363	21,950	19,762	18,045	11,722	10,582	10,134	8,697	[illegible]
Joint resolutions	1,606	1,446	1,334	1,342	861	908	1,022	1,188	[illegible]
Measures enacted	768	774	729	803	736	529	677	483	[illegible]
Public	607	651	588	633	613	473	623	466	[illegible]
Private	161	123	141	170	123	56	54	17	7
HOUSE OF REPRESENTATIVES									
Number of days	298	318	311	323	326	303	266	281	(NA)
Number of hours	1,429	1,487	1,788	1,898	1,876	1,420	1,705	1,794	(NA)
Number of hours per day	4.8	4.7	5.7	5.9	5.8	4.7	6.4	6.4	(NA)
SENATE									
Number of days	348	334	320	337	333	312	281	313	(NA)
Number of hours	2,294	2,028	2,210	2,510	2,324	2,158	1,951	2,531	(NA)
Number of hours per day	6.6	6.1	6.9	7.4	7.0	6.9	6.9	8.1	(NA)

NA Not available.

Source: U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation,* annual; and Ornstein, Norman J., Thomas E. Mann, and Michael J. Malbin, *Vital Statistics on Congress, 1987-1988,* American Enterprise Institute, Washington, DC 1987. (Copyright.)

No. 420. Congressional Bills Vetoed: 1961 to 1987

[See also *Historical Statistics, Colonial Times to 1970,* series Y 199-203]

PERIOD	President	Total vetoes	Regular vetoes	Pocket vetoes	Vetoes sustained	Bills passed over veto
1961-1963	Kennedy	21	12	9	21	-
1963-1969	Johnson	30	16	14	30	-
1969-1974	Nixon	42	24	18	36	6
1974-1977	Ford	72	53	19	60	12
1977-1981	Carter	31	13	18	29	2
1981-1987	Reagan	62	34	28	54	8

- Represents zero.

Source: U.S. Congress, Senate Library, *Presidential Vetoes . . . 1789-1968;* U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation,* annual.

NO. 421. COMPOSITION OF CONGRESS, BY POLITICAL PARTY AFFILIATION—STATES: 1983 TO 1989

[Figures are for the beginning of the first session. Dem.=Democratic; Rep.=Republican. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	REPRESENTATIVES								SENATORS							
	98th Cong.,[1] 1983		99th Cong.,[2] 1985		100th Cong., 1987		101st Cong.,[3] 1989		98th Cong., 1983		99th Cong., 1985		100th Cong., 1987		101st Cong.,[3] 1989	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S.	**269**	**165**	**252**	**182**	**258**	**177**	**260**	**175**	**46**	**54**	**47**	**53**	**55**	**45**	**55**	**45**
Region:																
Northeast	58	37	54	41	55	40	55	40	9	9	9	9	9	9	10	8
Midwest	62	51	61	51	62	51	64	49	10	14	12	12	13	11	13	11
South	103	39	93	49	96	46	96	46	18	14	18	14	23	9	22	10
West	46	38	44	41	45	40	45	40	9	17	8	18	10	16	10	16
N. Eng.	**16**	**8**	**14**	**10**	**15**	**9**	**14**	**10**	**6**	**6**	**6**	**6**	**6**	**6**	**7**	**5**
ME	-	2	-	2	1	1	1	1	1	1	1	1	1	1	1	1
NH	1	1	-	2	-	2	-	2	-	2	-	2	-	2	-	2
VT	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1	1
MA	10	1	10	1	10	1	10	1	2	-	2	-	2	-	2	-
RI	1	1	1	1	1	1	-	2	1	1	1	1	1	1	1	1
CT	4	2	3	3	3	3	3	3	1	1	1	1	1	1	2	-
Mid. Atl.	**42**	**29**	**40**	**31**	**40**	**31**	**41**	**30**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
NY	20	14	19	15	20	14	21	13	1	1	1	1	1	1	1	1
NJ	9	5	8	6	8	6	8	6	2	-	2	-	2	-	2	-
PA	13	10	13	10	12	11	12	11	-	2	-	2	-	2	-	2
E. No. Cent.	**44**	**36**	**44**	**35**	**46**	**34**	**47**	**33**	**6**	**4**	**7**	**3**	**7**	**3**	**7**	**3**
OH	10	11	11	10	11	10	11	10	2	-	2	-	2	-	2	-
IN	5	5	4	5	6	4	6	4	-	2	-	2	-	2	-	2
IL	12	10	13	9	13	9	14	8	1	1	2	-	2	-	2	-
MI	12	6	11	7	11	7	11	7	2	-	2	-	2	-	2	-
WI	5	4	5	4	5	4	5	4	1	1	1	1	1	1	1	1
W. No. Cent.	**18**	**15**	**17**	**16**	**16**	**17**	**17**	**16**	**4**	**10**	**5**	**9**	**6**	**8**	**6**	**8**
MN	5	3	5	3	5	3	5	3	-	2	-	2	-	2	-	2
IA	3	3	2	4	2	4	2	4	-	2	1	1	1	1	1	1
MO	6	3	6	3	5	4	5	4	1	1	1	1	-	2	-	2
ND	1	-	1	-	1	-	1	-	1	1	1	1	2	-	2	-
SD	1	-	1	-	1	-	1	-	-	2	-	2	1	1	1	1
NE	-	3	-	3	-	3	1	2	2	-	2	-	2	-	2	-
KS	2	3	2	3	2	3	2	3	-	2	-	2	-	2	-	2
So. Atl.	**50**	**19**	**44**	**25**	**48**	**21**	**47**	**22**	**7**	**9**	**7**	**9**	**11**	**5**	**11**	**5**
DE	1	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1
MD	7	1	6	2	6	2	6	2	1	1	1	1	2	-	2	-
VA	4	6	4	6	5	5	5	5	-	2	-	2	-	2	1	1
WV	4	-	4	-	4	-	4	-	2	-	2	-	2	-	2	-
NC	9	2	6	5	8	3	8	3	-	2	-	2	1	1	1	1
SC	3	3	3	3	4	2	4	2	1	1	1	1	1	1	1	1
GA	9	1	8	2	8	2	9	1	1	1	1	1	2	-	2	-
FL	13	6	12	7	12	7	10	9	1	1	1	1	2	-	1	1
E. So. Cent.	**18**	**10**	**18**	**10**	**19**	**9**	**19**	**9**	**5**	**3**	**5**	**3**	**6**	**2**	**5**	**3**
KY	4	3	4	3	4	3	4	3	2	-	1	1	1	1	1	1
TN	6	3	6	3	6	3	6	3	1	1	2	-	2	-	2	-
AL	5	2	5	2	5	2	5	2	1	1	1	1	2	-	2	-
MS	3	2	3	2	4	1	4	1	1	1	1	1	1	1	-	2
W. So. Cent.	**35**	**10**	**31**	**14**	**29**	**16**	**30**	**15**	**6**	**2**	**6**	**2**	**6**	**2**	**6**	**2**
AR	2	2	3	1	3	1	3	1	2	-	2	-	2	-	2	-
LA	6	2	6	2	5	3	4	4	2	-	2	-	2	-	2	-
OK	5	1	5	1	4	2	4	2	1	1	1	1	1	1	1	1
TX	22	5	17	10	17	10	19	8	1	1	1	1	1	1	1	1
Mt.	**8**	**15**	**7**	**17**	**9**	**15**	**9**	**15**	**5**	**11**	**5**	**11**	**6**	**10**	**6**	**10**
MT	1	1	1	1	1	1	1	1	2	-	2	-	2	-	1	1
ID	-	2	1	1	1	1	1	1	-	2	-	2	-	2	-	2
WY	-	1	-	1	-	1	-	1	-	2	-	2	-	2	-	2
CO	3	2	2	4	3	3	3	3	1	1	1	1	1	1	1	1
NM	1	2	1	2	1	2	1	2	1	1	1	1	1	1	1	1
AZ	2	3	1	4	1	4	1	4	1	1	1	1	1	1	1	1
UT	-	3	-	3	1	2	1	2	-	2	-	2	-	2	-	2
NV	1	1	1	1	1	1	1	1	-	2	-	2	1	1	2	-
Pac.	**38**	**23**	**37**	**24**	**36**	**25**	**36**	**25**	**4**	**6**	**3**	**7**	**4**	**6**	**4**	**6**
WA	5	3	5	3	5	3	5	3	1	1	-	2	1	1	1	1
OR	3	2	3	2	3	2	3	2	-	2	-	2	-	2	-	2
CA	28	17	27	18	27	18	27	18	1	1	1	1	1	1	1	1
AK	-	1	-	1	-	1	-	1	-	2	-	2	-	2	-	2
HI	2	-	2	-	1	1	1	1	2	-	2	-	2	-	2	-

- Represents zero. [1] Colorado had one vacancy. [2] Indiana had one vacancy. [3] Based on apparent winners as of Nov. 11, 1988. Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 46, No. 46, Nov. 12, 1988. (Copyright.)

Source: Except as noted, U.S. Congress, Joint Committee on Printing, *Congressional Directory*, biennial; and unpublished data.

NO. 422. MEMBERS OF CONGRESS—INCUMBENTS RE-ELECTED: 1962 TO 1986

ITEM	PRESIDENTIAL-YEAR ELECTIONS						MIDTERM ELECTIONS					
	1964	1968	1972	1976	1980	1984	1962	1966	1970	1974	1978	1982
Representatives:												
Incumbent candidates	397	409	390	384	398	411	402	411	401	391	382	393
Re-elected	344	396	365	368	361	392	368	362	379	343	358	354
Percent of candidates	86.6	96.8	93.6	95.8	90.7	95.3	91.5	88.1	94.5	87.7	93.7	90.1
Defeated: In primaries	8	4	12	3	6	3	12	8	10	8	5	[1] 10
In general elections	45	9	13	13	31	16	22	41	12	40	19	29
Senators:												
Incumbent candidates	33	28	27	25	29	29	35	32	31	27	25	30
Re-elected	28	20	20	16	16	26	29	28	24	23	15	28
Percent of candidates	84.8	71.4	74.1	64.0	55.2	89.7	82.9	87.5	77.4	85.2	60.0	93.3
Defeated: In primaries	1	4	2	-	4	-	1	3	1	2	3	-
In general elections	4	4	5	9	9	3	5	1	6	2	7	2

- Represents zero. [1] Six incumbents defeated in primaries by other incumbents due to redistricting.

Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 44, No. 45, Nov. 8, 1986 (Copyright.)

NO. 423. MEMBERS OF CONGRESS—SELECTED CHARACTERISTICS: 1975 TO 1989

[As of beginning of first session of each Congress. Figures for Representatives exclude vacancies]

MEMBERS OF CONGRESS AND YEAR	Male	Female	Black	AGE (in years)						SENIORITY [1]			
				Under 40	40-49	50-59	60-69	70-79	80 and over	Less than 2 years	2-9 years	10-19 years	20-29 years
REPRESENTATIVES													
94th Cong., 1975	416	19	15	69	138	137	75	14	2	96	162	125	42
95th Cong., 1977	417	18	16	81	121	147	71	15	-	71	207	116	33
96th Cong., 1979	417	16	16	86	125	145	63	14	-	80	206	105	32
97th Cong., 1981	416	19	17	94	142	132	54	12	1	77	231	96	23
98th Cong., 1983	413	21	21	86	145	132	57	13	1	83	224	88	28
99th Cong., 1985	412	22	20	71	154	131	59	17	2	49	237	104	34
100th Cong., 1987	412	23	23	63	153	137	56	24	2	51	221	114	37
101st Cong., 1989 [3]	410	25	24	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
SENATORS													
94th Cong., 1975 [2]	100	-	1	5	21	35	24	15	-	11	41	34	10
95th Cong., 1977	100	-	1	6	26	35	21	10	2	18	41	24	12
96th Cong., 1979	99	1	-	10	31	33	17	8	1	20	41	23	12
97th Cong., 1981	98	2	-	9	35	36	14	6	-	19	51	17	11
98th Cong., 1983	98	2	-	7	28	39	20	3	3	5	61	21	10
99th Cong., 1985	98	2	-	4	27	38	25	4	2	8	56	27	7
100th Cong., 1987	98	2	-	5	30	36	22	5	2	14	41	36	7
101st Cong., 1989 [3]	98	2	-	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

- Represents zero. NA Not available. [1] Represents consecutive years of service. [2] Includes Senator Durkin, NH seated Sept. 1975. [3] Based on apparent winners as of Nov. 11, 1988. Source: Congressional Quarterly, Inc., Washington, DC *Congressional Quarterly Weekly Report*, vol. 46, No. 46, Nov. 12, 1988.

Source: Except as noted, compiled by U.S. Bureau of the Census from data published in *Congressional Directory*, bienn

NO. 424. CONGRESSIONAL STAFF, BY LOCATION OF EMPLOYMENT: 1957 TO 1987

[Excludes those persons employed in Congressional support agencies such as the U.S. General Accounting Office, the Library of Congress, and the Congressional Budget Office]

YEAR	PERSONAL STAFF		YEAR	STANDING COMMITTEE STAFF	
	House	Senate		House	Senate
1957	2,441	1,115	1960	440	470
1967	4,055	1,749	1965	571	509
1972	5,280	2,426	1970	702	635
1976	6,939	3,251	1976	1,680	1,201
1977	6,942	3,554	1977	1,776	1,028
1978	6,944	3,268	1978	1,844	1,151
1979	7,067	3,593	1979	1,909	1,269
1980	7,371	3,746	1980	1,917	1,191
1981	7,487	3,945	1981	1,843	1,022
1982	7,511	4,041	1982	1,839	1,047
1983	7,606	4,059	1983	1,970	1,075
1984	7,385	3,949	1984	1,944	1,095
1985	7,528	4,097	1985	2,009	1,080
1986	[1] 7,920	[1] 3,774	1986	1,954	1,075
1987	7,515	4,075	1987	(NA)	(NA)

LOCATION OF EMPLOYMENT	1979	1981	1983	1985	1987
Total	**16,803**	**17,422**	**17,963**	**18,136**	(NA)
House of Representatives	10,743	11,217	11,537	11,636	[illegible]
Committee staff [2]	2,027	1,917	2,068	2,146	[illegible]
Personal staff	7,067	7,487	7,606	7,528	7,515
Leadership staff	162	127	135	144	171
Officers of House, staff	1,487	1,686	1,728	1,818	[illegible]
Senate	5,922	6,079	6,303	6,369	(NA)
Committee staff [2]	1,410	1,150	1,176	1,178	[illegible]
Personal staff	3,593	3,945	4,059	4,097	4,075
Leadership staff	91	106	120	118	118
Officers of Senate, staff	828	878	948	976	(NA)
Joint committee staff	138	126	123	131	130

NA Not available. [1] House figure is average for year and Senate figure only covers period following implementation of Gramm-Rudman budget reductions. [2] Covers standing, select and special committees.

Source: 1957-1986, Ornstein, Norman J., Thomas E. Mann, and Michael J. Malbin, *Vital Statistics on Congress, 1987-1988* American Enterprise Institute, Washington, DC, 1987. (Copyright.) 1987, Congressional Quarterly, Inc., Washington, DC, based on data supplied by Congressional Research Service.

No. 425. Number of Governors, by Political Party Affiliation: 1960 to 1988

[Reflects results of elections in previous year and holdover incumbents]

YEAR	Demo-cratic	Repub-lican	YEAR	Demo-cratic	Repub-lican	Inde-pendent	YEAR	Demo-cratic	Repub-lican
1960	34	16	1970	18	32	-	1980	31	19
1962	34	16	1971	29	21	-	1981	27	23
1963	34	16	1972	30	20	-	1982	27	23
1964	34	16	1973	31	19	-	1983	34	16
1965	33	17	1974	32	18	-	1984	35	15
1966	33	17	1975	36	13	1	1985	34	16
1967	25	25	1976	36	13	1	1986	34	16
1968	24	26	1977	37	12	1	1987	26	24
1969	20	30	1978	37	12	1	1988	27	23
			1979	32	18	-			

- Represents zero.

Source: National Governors' Association, Washington, DC, *Directory of Governors of the American States, Commonwealths & Territories*, annual. (Copyright.)

No. 426. Vote Cast for and Governor Elected, by State: 1980 to 1986

[In thousands, except percent. D=Democratic, R=Republican]

DIVISION AND STATE	1980		1982		1984		1986		Candidate elected at most recent election
	Total vote [1]	Percent leading party	Total vote [1]	Percent leading party	Total vote [1]	Percent leading party	Total vote [1]	Percent leading party	
N. Eng.:									
ME	(x)	(x)	460	D-61.1	(x)	(x)	427	R-39.9	John R. McKernan
NH	384	D-59.0	283	R-51.4	384	R-66.8	251	R-53.7	John H. Sununu
VT	210	R-58.6	169	R-55.0	234	D-50.0	197	D-47.0	Madeleine M. Kunin
MA	(x)	(x)	2,050	D-59.5	(x)	(x)	1,684	D-68.7	Michael S. Dukakis
RI	406	D-73.7	337	D-73.3	408	R-60.0	323	R-64.7	Edward DiPrete
CT	(x)	(x)	1,084	D-53.3	(x)	(x)	994	D-57.9	William A. O'Neill
Mid. Atl.:									
NY	(x)	(x)	5,255	D-50.9	(x)	(x)	4,294	D-64.6	Mario M. Cuomo
NJ [2]	2,317	R-49.5	(x)	(x)	1,973	R-69.6	(x)	(x)	Thomas H. Kean
PA	(x)	(x)	3,684	R-50.8	(x)	(x)	3,388	D-50.7	Robert Casey
E. No. Cent.:									
OH	(x)	(x)	3,357	D-59.0	(x)	(x)	3,067	D-60.6	Richard F. Celeste
IN	2,178	R-57.7	(x)	(x)	2,198	R-52.2	(x)	(x)	Robert D. Orr
IL	(x)	(x)	3,674	R-49.4	(x)	(x)	3,144	R-52.7	James R. Thompson
MI	(x)	(x)	3,040	D-51.4	(x)	(x)	2,397	D-68.1	James J. Blanchard
WI	(x)	(x)	1,580	D-56.7	(x)	(x)	1,527	R-52.7	Tommy G. Thompson
W. No. Cent.:									
MN	(x)	(x)	1,790	D-58.6	(x)	(x)	1,416	D-55.8	Rudy Perpich
IA	(x)	(x)	1,038	R-52.8	(x)	(x)	911	R-51.9	Terry E. Branstad
MO	2,088	R-52.6	(x)	(x)	2,108	R-56.7	(x)	(x)	John Ashcroft
ND	303	R-53.6	(x)	(x)	314	D-55.3	(x)	(x)	George Sinner
SD	(x)	(x)	279	R-70.9	(x)	(x)	294	R-51.8	George S. Mickelson
NE	(x)	(x)	548	D-50.6	(x)	(x)	564	R-52.9	Kay Orr
KS	(x)	(x)	763	D-53.2	(x)	(x)	841	R-51.9	Mike Hayden
So. Atl.:									
DE	225	R-70.6	(x)	(x)	244	R-55.5	(x)	(x)	Michael N. Castle
MD	(x)	(x)	1,139	D-62.0	(x)	(x)	1,101	D-82.4	William D. Schaefer
VA [2]	1,421	D-53.5	(x)	(x)	1,343	D-55.2	(x)	(x)	Gerald L. Baliles
WV	742	D-54.1	(x)	(x)	742	R-53.3	(x)	(x)	Arch A. Moore
NC	1,847	D-61.9	(x)	(x)	2,227	R-54.3	(x)	(x)	James G. Martin
SC	(x)	(x)	672	D-69.8	(x)	(x)	754	R-51.0	Carroll Campbell
GA	(x)	(x)	1,169	D-62.8	(x)	(x)	1,175	D-70.5	Joe Frank Harris
FL	(x)	(x)	2,689	D-64.7	(x)	(x)	3,386	R-54.6	Bob Martinez
E. So. Cent.:									
KY [3]	939	D-59.4	(x)	(x)	1,031	D-54.5	778	D-64.9	Wallace G. Wilkinson
TN	(x)	(x)	1,239	R-59.6	(x)	(x)	1,210	D-54.2	Ned McWherter
AL	(x)	(x)	1,129	D-57.6	(x)	(x)	1,236	R-56.3	Guy Hunt
MS [3]	677	D-61.1	(x)	(x)	743	D-55.1	722	D-53.4	Ray Mabus
W. So. Cent.:									
AR	839	R-51.9	789	D-54.7	887	D-62.6	689	D-63.9	Bill Clinton
LA	[4] 1,372	[4] R-50.3	(x)	(x)	[5] 1,616	[5] 62.3	[5] 1,559	[5] 33.1	Charles Roemer
OK	(x)	(x)	883	D-62.1	(x)	(x)	910	R-47.5	Henry Bellmon
TX	(x)	(x)	3,191	D-53.2	(x)	(x)	3,441	R-52.7	William P. Clements
Mt.:									
MT	360	D-55.4	(x)	(x)	379	D-70.3	(x)	(x)	Ted Schwinden
ID	(x)	(x)	327	D-50.6	(x)	(x)	387	D-49.9	Cecil D. Andrus
WY	(x)	(x)	169	D-63.1	(x)	(x)	165	D-54.0	Mike Sullivan
CO	(x)	(x)	956	D-65.7	(x)	(x)	1,059	D-58.2	Roy Romer
NM	(x)	(x)	407	D-53.0	(x)	(x)	395	R-53.0	Garrey E. Carruthers
AZ	(x)	(x)	726	D-62.5	(x)	(x)	867	R-39.7	Evan Mecham [6]
UT	600	D-55.2	(x)	(x)	630	R-55.9	(x)	(x)	Norman H. Bangerter
NV	(x)	(x)	240	D-53.4	(x)	(x)	260	D-71.9	Richard H. Bryan
Pac.:									
WA	1,731	R-56.7	(x)	(x)	1,889	D-53.3	(x)	(x)	Booth Gardner
OR	(x)	(x)	1,042	R-61.4	(x)	(x)	1,060	D-51.9	Neil Goldschmidt
CA	(x)	(x)	7,877	R-49.3	(x)	(x)	7,444	R-60.5	George Deukmejian
AK	(x)	(x)	195	D-46.1	(x)	(x)	180	D-47.3	Steve Cowper
HI	(x)	(x)	312	D-45.2	(x)	(x)	334	D-52.0	John Waihee

X Not applicable. [1] Includes minor party and scattered votes. [2] Voting years 1981 and 1985. [3] Voting years 1979, 1983, and 1987. [4] Dec. 1979 vote. [5] Primary elections in Oct. 1983 and Oct. 1987, held on a non-party basis. Winner was Democratic. Runner-up in 1987 withdrew from runoff. [6] Evan Mecham was impeached in 1988 and replaced by Rose Mofford (Dem.).

Source: Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

No. 427. Composition of State Legislatures, by Political Party Affiliation: 1980 to 1986

[Data reflect election results in year shown for most States; and, except as noted, results in previous year for other States. Figures reflect immediate results of elections, including holdover members in State houses which do not have all of their members running for re-election. Dem.=Democratic; Rep.=Republican. In general, Lower House refers to body consisting of State Representatives; Upper House, of State Senators]

STATE	LOWER HOUSE								UPPER HOUSE							
	1980 [1] [2]		1982 [3] [4]		1984 [5] [6]		1986 [7] [8]		1980 [2] [9]		1982 [3] [10]		1984 [5] [11]		1986 [7] [12]	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S.	**3,289**	**2,190**	**3,429**	**2,006**	**3,136**	**2,316**	**3,294**	**2,164**	**1,182**	**742**	**1,210**	**725**	**1,187**	**753**	**1,177**	**70**
AL [13]	100	4	97	8	87	12	89	16	35	-	32	3	28	4	30	5
AK [14]	22	16	19	21	21	18	24	16	11	9	9	11	9	11	8	12
AZ [15]	17	43	21	39	22	38	24	36	14	16	12	18	12	18	11	19
AR [14]	93	7	93	7	91	9	91	9	34	1	32	3	31	4	31	4
CA [14]	48	32	48	32	47	33	44	36	23	17	25	14	25	15	23	15
CO [14]	26	39	25	40	18	47	25	40	13	22	14	21	11	24	10	25
CT [15]	83	68	87	64	66	85	92	59	22	13	23	13	12	24	25	11
DE [14]	16	25	24	17	19	22	19	22	12	9	13	8	13	8	13	8
FL [14]	81	39	84	36	77	43	75	45	27	13	32	8	32	8	25	15
GA [15]	156	23	156	24	154	26	153	27	51	5	49	7	47	9	46	10
HI [14]	39	12	43	8	40	11	40	10	17	8	20	5	21	4	20	5
ID [15]	14	56	19	51	17	67	20	64	12	23	14	21	14	28	16	26
IL [14]	86	91	70	48	67	51	67	51	30	29	33	26	31	28	31	28
IN [14]	35	63	43	57	39	61	48	52	15	35	18	32	20	30	19	30
IA [14]	42	58	60	40	60	40	58	42	22	28	28	22	29	21	30	20
KS [14]	53	72	53	72	49	76	51	74	16	24	16	24	16	24	16	24
KY [14]	75	24	76	24	74	26	71	29	29	9	28	10	28	10	29	9
LA [13]	95	10	93	11	91	14	87	15	39	-	38	1	38	1	34	5
ME [15]	84	67	92	59	85	66	86	65	16	17	23	10	24	11	20	15
MD [13]	125	15	124	17	124	17	124	17	40	7	41	6	41	6	40	7
MA [15]	128	31	129	29	126	34	127	33	32	7	33	7	32	8	32	8
MI [14]	64	46	63	47	57	53	64	46	24	14	20	18	18	19	18	20
MN [14]	70	64	77	57	65	69	83	51	45	22	42	25	42	24	47	20
MS [13]	115	4	116	5	116	6	113	9	48	4	49	3	49	3	45	7
MO [14]	111	52	110	53	108	55	111	52	23	10	22	12	21	13	21	13
MT [14]	43	57	55	45	50	50	49	51	21	29	24	26	28	22	25	25
NE	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)
NV [14]	26	14	23	19	17	25	29	13	15	5	17	4	13	8	9	12
NH [15]	160	238	158	237	102	297	132	268	10	13	9	15	6	18	8	16
NJ [14]	43	37	44	36	30	50	39	41	22	18	23	17	23	17	24	16
NM [14]	41	29	46	24	42	28	47	23	22	20	23	19	21	21	21	21
NY [15]	86	63	97	52	94	56	92	56	25	35	26	35	26	35	25	36
NC [15]	95	24	102	18	82	38	84	36	40	10	44	6	38	12	40	10
ND [14]	27	73	55	51	42	64	45	61	10	40	21	32	24	29	27	26
OH [14]	54	45	62	37	58	40	60	39	15	18	17	16	15	18	15	18
OK [14]	73	28	76	25	69	32	70	31	37	11	34	14	34	14	30	17
OR [14]	33	27	36	24	34	26	31	29	22	8	21	9	18	12	17	13
PA [14]	100	103	103	100	103	100	103	100	23	25	23	27	23	27	23	26
RI [15]	82	18	85	15	77	21	80	20	43	7	29	21	38	12	38	12
SC [14]	107	17	103	20	96	27	92	32	41	5	39	6	36	10	36	10
SD [15]	21	49	16	54	13	57	22	48	10	25	9	26	10	25	11	24
TN [14]	57	39	60	37	62	37	61	38	20	12	22	11	23	10	23	10
TX [14]	114	35	114	36	98	52	94	56	23	7	26	5	25	6	25	6
UT [14]	17	58	17	58	14	61	27	48	7	22	5	24	6	23	8	21
VT [15]	64	86	65	83	72	78	74	75	14	16	13	17	18	12	19	11
VA [14]	66	33	65	34	65	33	64	35	31	9	32	8	31	8	30	10
WA [14]	42	56	54	44	53	45	61	37	24	25	26	23	27	22	25	24
WV [14]	78	22	87	13	73	27	78	22	27	7	31	3	30	4	27	7
WI [14]	59	39	59	40	52	47	54	45	19	14	19	14	19	14	20	11
WY [14]	23	39	25	38	18	46	20	44	11	19	11	19	11	19	11	19

- Represents zero. [1] Excludes 1 Independent each for MD, MA, and VA; 2 Independents each for MS and TN; 2 Libertarians for AK; 1 vacancy each for AL, GA, KY, MS, NY, NC, TN, TX, and WI; and 2 vacancies each for IN and NH. [2] Status as of late 1981; includes elections held and vacancies filled in 1981. [3] Status as of August 1983, except for KY, LA, MS, NJ, and VA which are as of Jan. 1984 and reflect elections held in 1983. [4] Excludes 1 Independent each for LA, TN, VA and WY; 2 Independents for NH; 1 vacancy each for MS, NY, SC, and TN; 2 vacancies each for MA and VT; and 3 vacancies for NH. [5] Status as of Jan. 1985, except for NJ and VA which are as of Jan. 1986 and reflect elections held in 1985. [6] Excludes 1 Independent for RI; 2 Independents for VA; 5 Independents for AL; 1 Libertarian for AK; and 1 vacancy each for AL, NH, OH, RI, and SC. [7] Status as of Jan. 1987, except for KY, LA, MS, NJ, and VA which are as of Jan. 1988 and reflect elections held in 1987. [8] Excludes 1 Independent each for VT and VA; 2 Liberals for NY; 1 vacancy for KY; and 3 vacancies for LA. [9] Excludes 1 Independent each for MA and TN; 1 vacancy each for CT, MO, NH, and TX; and 2 vacancies for PA. [10] Excludes 1 Independent for CA and 1 vacancy for SC. [11] Excludes 3 Independents for AL, and 1 vacancy each for MI, MN and VA. [12] Excludes 1 Independent for CA; and 1 vacancy each for CA and IN. [13] Members of both houses serve 4-year terms. [14] Upper House members serve 4-year terms and Lower House members serve 2-year terms. [15] Members of both houses serve 2-year terms. [16] Single chamber (unicameral body) of 49 members, elected without party designation.

Source: The Council of State Governments, Lexington, KY, 1980–1984, *Book of the States*, and its *Supplement I*, both biennial; 1986, *State Elective Officials and the Legislatures, 1987–88*. (Copyright.)

No. 428. Political Party Control of State Legislatures, by Party: 1961 to 1988

[As of beginning of year. Until 1972 there were two non-partisan legislatures in Minnesota and Nebraska. Since then only Nebraska has had a non-partisan legislature]

YEAR	LEGISLATURES UNDER— Democratic control	Split control or tie	Republican control	YEAR	LEGISLATURES UNDER— Democratic control	Split control or tie	Republican control	YEAR	LEGISLATURES UNDER— Democratic control	Split control or tie	Republican control
1961	27	6	15	1971	23	9	16	1981	28	6	15
1963	25	7	16	1973	27	6	16	1983 [1]	34	4	11
1965	32	10	6	1975	37	7	5	1985	27	11	11
1967	24	8	16	1977	36	8	5	1987	28	12	9
1969	20	8	20	1979	30	7	12	1988	28	12	9

[1] Two 1984 mid-term recall elections resulted in a change in control of the Michigan State senate. At the time of the 1984 election, therefore, Democrats controlled 33 legislatures.

Source: National Conference of State Legislatures, Denver, CO, *State Legislatures*, January 1988.

No. 429. Black Elected Officials, by Office, 1970 to 1988, and by Region and State, 1988

[As of January 1988, no Black elected officials had been identified in Idaho, Montana, or North Dakota. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	Total	U.S. and State legislatures [1]	City and county offices [2]	Law enforcement [3]	Education [4]
1970 (Feb.)	1,479	179	719	213	368
1971 (Mar.)	1,870	216	909	274	471
1972 (Mar.)	2,275	224	1,112	263	676
1973 (Apr.)	2,635	256	1,268	334	777
1974 (Apr.)	3,007	256	1,607	340	804
1975 (Apr.)	3,522	299	1,885	387	951
1976 (Apr.)	4,006	299	2,284	415	1,008
1977 (July)	4,342	316	2,509	451	1,066
1978 (July)	4,544	316	2,616	458	1,154
1979 (July)	4,636	315	2,675	491	1,155
1980 (July)	4,963	326	2,871	534	1,232
1981 (July)	5,109	343	2,914	559	1,293
1982 (July)	5,241	342	3,017	573	1,309
1983 (July)	5,719	386	3 283	620	1,430
1984 (Jan.)	5,865	396	3 367	657	1,445
1985 (Jan.)	6,312	407	3 689	685	1,531
1986 (Jan.)	6,384	410	3,800	676	1,498
1987 (Jan.)	6,646	428	3,949	727	1,542
1988 (Jan.)	**6,793**	**424**	**4,089**	**738**	**1,542**
Region:					
Northeast	695	73	275	104	243
Midwest	1,285	93	733	139	320
South	4,446	227	2,980	392	847
West	367	31	101	103	132
N. Eng	**113**	**24**	**59**	**2**	**28**
Maine	3	–	2	–	1
New Hampshire	1	1	–	–	–
Vermont	1	1	–	–	–
Massachusetts	35	6	18	–	11
Rhode Island	10	6	3	–	1
Connecticut	63	10	36	2	15
Mid. Atl	**582**	**49**	**216**	**102**	**215**
New York	250	24	50	51	125
New Jersey	195	8	116	1	70
Pennsylvania	137	17	50	50	20
E. No. Cent	**1,065**	**69**	**594**	**117**	**285**
Ohio	216	14	123	29	50
Indiana	67	8	49	2	8
Illinois	443	25	272	25	121
Michigan	316	18	138	57	103
Wisconsin	23	4	12	4	3
W. No. Cent	**220**	**24**	**139**	**22**	**35**
Minnesota	12	1	4	5	2
Iowa	9	1	4	1	3
Missouri	165	17	116	13	19
South Dakota	2	–	2	–	–
Nebraska	4	1	1	–	2
Kansas	28	4	12	3	9
So. Atl	**1,949**	**119**	**1,430**	**99**	**301**
Delaware	22	3	13	1	5
Maryland	120	27	72	15	6
District of Columbia	244	1	234	–	9
Virginia	126	11	102	13	–
West Virginia	23	1	19	3	–
North Carolina	428	16	318	24	70
South Carolina	352	19	210	5	118
Georgia	458	29	335	19	75
Florida	176	12	127	19	18
E. So. Cent	**1,235**	**63**	**820**	**145**	**207**
Kentucky	70	2	49	7	12
Tennessee	145	14	89	18	24
Alabama	442	24	323	39	56
Mississippi	578	23	359	81	115
W. So. Cent	**1,262**	**45**	**730**	**148**	**339**
Arkansas	326	5	187	41	93
Louisiana	524	19	311	67	127
Oklahoma	112	5	82	2	23
Texas	300	16	150	38	96
Mt	**48**	**12**	**14**	**10**	**12**
Wyoming	3	1	1	–	1
Colorado	15	4	3	5	3
New Mexico	6	1	2	2	1
Arizona	13	3	5	–	5
Utah	1	–	–	1	–
Nevada	10	3	3	2	2
Pac	**319**	**19**	**87**	**93**	**120**
Washington	18	3	6	4	5
Oregon	10	3	4	2	1
California	286	12	75	87	112
Alaska	4	1	2	–	1
Hawaii	1	–	–	–	1

– Represents zero. [1] Includes elected State administrators. [2] County commissioners and councilmen, mayors, vice mayors, aldermen, regional officials, and other. [3] Judges, magistrates, constables, marshals, sheriffs, justices of the peace, and other. [4] Members of State education agencies, college boards, school boards and other.

Source: Joint Center for Political Studies, Washington, DC, *Black Elected Officials: A National Roster,* annual. (Copyright.)

No. 430. Hispanic Public Officials, 1986 and 1987, and State Legislators, 1983 to 1987

[For States not shown, no Hispanic State legislators had been identified. For composition of regions, see fig. I, inside front cover]

Public office	1986, total	1987 Total	1987 Percent female	Region, division, and state	State legislators	Division and state	State legislators	Division and state	State legislators
Total	**3,191**	**3,317**	**18**	1983 (July)	106	**Mid. Atl**	**10**	**W. So. Cent**	**27**
				1985 (Sept.)	115	NY	8	LA	2
Governor	1	1	-	1986 (Sept.)	116	NJ	1	TX	25
State executives	4	3	33	**1987 (Sept.):**		PA	1		
State legislators	116	123	11	**U.S**	**123**			**Mt**	**59**
						E. No. Cent	**5**	MT	1
County officials	304	314	27	**Region:**		OH	1	CO	6
Municipal officials	1,048	1,098	16	Northeast	12	IN	1	NM	38
				Midwest	8	IL	3	AZ	13
Judicial/law				South	36			NV	1
enforcement	530	568	9	West	67	**W. No. Cent**	**3**		
Education/school						KS	3	**Pac**	**8**
boards	1,188	1,199	22	**N. Eng**	**2**			OR	1
				CT	1	**So. Atl**	**9**	CA	7
				RI	1	FL	9		

- Represents zero.

Source: National Association of Latino Elected and Appointed Officials, Washington, DC, *National Roster of Hispanic Elected Officials*, 1987.

No. 431. Women Holding State and Local Public Offices, by Office and State: 1975 to 1988

[For data on women in U.S. Congress, see table 423]

Public office	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
State legislature	604	871	908	911	991	996	1,103	1,101	1,170	1,175
Percent of total legislators	8.0	11.6	12.1	12.2	13.3	13.4	14.8	14.8	15.7	15.8
County governing boards	451	1,144	1,128	1,397	1,427	1,476	(NA)	(NA)	[1] 1,594	(NA)

State	Statewide elective executive office,[2 3] 1988	State legislature,[2] 1988	County governing boards, 1987	Mayors and municipal council members, 1985	State	Statewide elective executive office,[2 3] 1988	State legislature,[2] 1988	County governing boards, 1987	Mayors and municipal council members, 1985
U.S	**40**	**1,175**	**1,594**	**14,672**	Mississippi	-	10	8	178
Alabama	1	8	7	[4] 281	Missouri	2	31	17	-
Alaska	-	12	13	233	Montana	1	23	18	110
Arizona	3	21	9	87	Nebraska	1	9	27	241
Arkansas	2	9	71	365	Nevada	1	10	10	11
California	1	17	[4] 63	465	New Hampshire	-	138	9	113
Colorado	2	28	18	315	New Jersey	-	11	14	481
Connecticut	1	40	(X)	240	New Mexico	1	11	17	86
					New York	-	22	130	787
Delaware	1	10	2	57	North Carolina	-	24	51	327
District of Columbia	(X)	(X)	(X)	7					
Florida	1	33	51	311	North Dakota	-	20	11	174
Georgia	-	26	22	251	Ohio	1	15	24	1,128
Hawaii	-	16	9	3	Oklahoma	1	13	5	312
Idaho	1	27	13	141	Oregon	2	15	14	344
Illinois	-	32	[4 5] 134	-	Pennsylvania	-	17	[4] 24	-
Indiana	2	19	10	-	Rhode Island	1	24	(X)	30
					South Carolina	-	12	38	184
Iowa	2	22	35	732	South Dakota	1	21	16	140
Kansas	1	31	24	445	Tennessee	-	12	111	144
Kentucky	-	8	17	-					
Louisiana	1	4	18	183	Texas	1	17	27	789
Maine	-	53	3	243	Utah	-	8	2	137
Maryland	-	39	21	133	Vermont	1	46	(X)	87
Massachusetts	1	37	4	217	Virginia	1	14	43	211
Michigan	1	22	123	2,779	Washington	-	37	13	341
Minnesota	2	31	37	542	West Virginia	-	21	13	352
					Wisconsin	-	28	248	-
					Wyoming	2	21	5	86

- Represents zero. NA Not available. X Not applicable. [1] Contains 1986 data for 3 States. [2] As of May. [3] Excludes women elected to the judiciary, women appointed to State cabinet-level positions, women elected to executive posts by the legislature, and elected members of university Board of Trustees or Board of Education. [4] 1986 data. [5] Data for the number of women serving are from 100 of 102 counties.

Source: Center for the American Woman and Politics, Eagleton Institute of Politics, Rutgers University, New Brunswick, NJ, information releases.

No. 432. Voting-Age Population, and Percent Reporting Registered and Voted: 1972 to 1986

[As of **November**. Covers civilian noninstitutional population 18 years old and over. Includes aliens. Figures are based on Current Population Survey (see text, section 1, and Appendix III) and differ from those in table 433 based on population estimates and official vote counts]

CHARACTERISTIC	VOTING-AGE POPULATION (mil.)								PERCENT REPORTING THEY REGISTERED								PERCENT REPORTING THEY VOTED							
	1972	1974	1976	1978	1980	1982	1984	1986	Presidential election years				Congressional election years				Presidential election years				Congressional election years			
									1972	1976	1980	1984	1974	1978	1982	1986	1972	1976	1980	1984	1974	1978	1982	1986
Total	**136.2**	**141.3**	**146.5**	**151.6**	**157.1**	**165.5**	**170.0**	**173.9**	**72.3**	**66.7**	**66.9**	**68.3**	**62.2**	**62.6**	**64.1**	**64.3**	**63.0**	**59.2**	**59.2**	**59.9**	**44.7**	**45.9**	**48.5**	**46.0**
18–20 years old	11.0	11.6	12.1	12.2	12.3	12.1	11.2	10.7	58.1	47.1	44.7	47.0	36.4	34.7	35.0	35.4	48.3	38.0	35.7	36.7	20.8	20.1	19.8	18.6
21–24 years old	13.6	14.1	14.8	15.5	15.9	16.7	16.7	15.7	59.5	54.8	52.7	54.3	45.3	45.1	47.8	46.6	50.7	45.6	43.1	43.5	26.4	26.2	28.4	24.2
25–34 years old	26.9	29.3	31.7	33.4	35.7	38.8	40.3	41.9	68.4	62.3	62.0	63.3	54.7	55.5	57.1	55.8	59.7	55.4	54.6	54.5	37.0	38.0	40.4	35.1
35–44 years old	22.2	22.4	22.8	24.2	25.6	28.1	30.7	33.0	74.8	69.8	70.6	70.9	66.7	66.7	67.5	67.9	66.3	63.3	64.4	63.5	49.1	50.1	52.2	49.3
45–64 years old	42.3	43.0	43.3	43.4	43.6	44.2	44.3	44.8	79.7	75.5	75.8	76.6	73.6	74.3	75.6	74.8	70.8	68.7	69.3	69.8	56.9	58.5	62.2	58.7
65 years old and over	20.1	21.0	22.0	23.0	24.1	25.6	26.7	27.7	75.6	71.4	74.6	76.9	70.2	72.8	75.2	76.9	63.5	62.2	65.1	67.7	51.4	55.9	59.9	60.9
Male	63.8	66.4	69.0	71.5	74.1	78.0	80.3	82.4	73.1	67.1	66.6	67.3	62.8	62.6	63.7	63.4	64.1	59.6	59.1	59.0	46.2	46.6	48.7	45.8
Female	72.4	74.9	77.6	80.2	83.0	87.4	89.6	91.5	71.6	66.4	67.1	69.3	61.7	62.5	64.4	65.0	62.0	58.8	59.4	60.8	43.4	45.3	48.4	46.1
White	121.2	125.1	129.3	133.4	137.7	143.6	146.8	149.9	73.4	68.3	68.4	69.6	63.5	63.8	65.6	65.3	64.5	60.9	60.9	61.4	46.3	47.3	49.9	47.0
Black	13.5	14.2	14.9	15.6	16.4	17.6	18.4	19.0	65.5	58.5	60.0	66.3	54.9	57.1	59.1	64.0	52.1	48.7	50.5	55.8	33.8	37.2	43.0	43.2
Hispanic [1]	5.6	6.1	6.6	6.8	8.2	8.8	9.5	11.8	44.4	37.8	36.3	40.1	34.9	32.9	35.3	35.9	37.4	31.8	29.9	32.6	22.9	23.5	25.3	24.2
Region: [2]																								
Northeast	(NA)	33.3	33.9	35.1	35.5	36.4	36.9	37.3	(NA)	65.9	64.8	66.6	62.2	62.3	62.5	62.0	(NA)	59.5	58.5	59.7	48.7	48.1	49.8	44.4
Midwest	(NA)	38.1	39.2	40.3	41.5	41.9	42.1	42.8	(NA)	72.3	73.8	74.6	66.6	68.2	71.1	70.7	(NA)	65.1	65.8	65.7	49.3	50.5	54.7	49.5
South	42.6	44.8	47.1	48.8	50.6	55.4	57.6	59.2	68.7	64.6	64.8	66.9	59.8	60.1	61.7	63.0	55.4	54.9	55.6	56.8	36.0	39.6	41.8	43.0
West	(NA)	25.0	26.2	27.5	29.5	31.9	33.4	34.6	(NA)	63.2	63.3	64.7	59.8	59.1	60.6	60.8	(NA)	57.5	57.2	58.5	48.1	47.5	50.7	48.4
School years completed:																								
8 years or less	28.1	24.4	24.9	23.6	22.7	22.4	20.6	19.6	61.5	54.4	53.0	53.4	54.1	53.2	52.3	50.5	47.4	44.1	42.6	42.9	34.4	34.6	35.7	32.7
High school:																								
1–3 years	22.3	21.7	22.2	22.3	22.5	22.3	22.1	21.4	63.0	55.6	54.6	54.9	54.3	52.9	53.3	52.4	52.0	47.2	45.6	44.4	35.9	35.1	37.7	33.8
4 years	50.7	51.7	55.7	58.4	61.2	65.2	67.8	68.6	74.0	66.9	66.4	67.3	61.9	62.0	62.9	62.9	65.4	59.4	58.9	58.7	44.7	45.3	47.1	44.1
College:																								
1–3 years	19.3	23.7	23.6	25.1	26.7	28.8	30.9	33.0	81.7	75.2	74.4	75.7	66.9	68.7	70.0	70.0	74.9	68.1	67.2	67.5	49.6	51.5	53.3	49.9
4 years or more	15.9	19.8	20.2	22.2	24.0	26.9	28.6	31.3	87.8	83.7	84.3	83.8	76.0	76.9	79.4	77.8	83.6	79.8	79.9	79.1	61.3	63.9	66.5	62.5
Employed	80.2	83.1	86.0	93.2	95.0	97.2	104.2	108.5	74.3	68.8	68.7	69.4	63.8	63.0	65.5	64.4	66.0	62.0	61.8	61.6	46.8	46.7	50.0	45.7
Unemployed	3.7	5.0	6.4	4.9	6.9	10.8	7.4	6.6	58.7	52.1	50.3	54.3	44.4	44.1	49.8	50.6	49.9	43.7	41.2	44.0	28.8	27.4	34.1	31.2
Not in labor force	52.3	53.2	54.1	53.5	55.2	57.5	58.4	58.8	70.3	65.2	65.8	68.1	61.3	63.4	64.3	65.4	59.3	56.5	57.0	58.9	43.0	46.2	48.7	48.2

NA Not available. [1] Hispanic persons may be of any race. [2] For composition of regions, see fig. I, inside front cover.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 414 and earlier reports.

No. 433. Participation in Elections for President and U.S. Representatives: 1960 to 1

[As of **November.** Estimated resident population 21 years old and over, 1960–1970, except as noted, and 18 years old an thereafter; includes Armed Forces. District of Columbia is included in votes cast for President beginning 1964 and in vote for Representative beginning 1972]

YEAR	Resident population (incl. aliens) of voting age [1] (1,000)	VOTES CAST: For President (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)	Percent of voting-age population	YEAR	Resident population (incl. aliens) of voting age [1] (1,000)	VOTES CAST: For President (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)
1960	109,672	68,838	62.8	64,133	58.5	1974	146,338	(x)	(x)	52,495
1962	112,952	(x)	(x)	51,267	45.4	1976	[1]152,308	81,556	53.5	74,422
1964	114,090	70,645	61.9	65,895	57.8	1978	158,369	(x)	(x)	55,332
1966	116,638	(x)	(x)	52,908	45.4	1980	164,595	86,515	52.6	77,995
1968	120,285	73,212	60.9	66,288	55.1	1982	169,939	(x)	(x)	64,514
1970	124,498	(x)	(x)	54,173	43.5	1984	174,447	92,653	53.1	83,231
1972	140,777	77,719	55.2	71,430	50.7	1986	178,335	(x)	(x)	59,619
						1988	182,626	[2]91,610	50.2	(NA)

NA Not available. X Not applicable. [1] Population 18 and over in Georgia and Kentucky, 19 and over in Alaska a and over in Hawaii, 1960–1970. [2] Source: Committee for the Study of the American Electorate, Washington, DC, *Non- Study, '88–'89,* forthcoming.

Source: Except as noted, U.S. Bureau of the Census, *Current Population Reports,* series P-25, No. 1019; and Ele Research Center, Washington, DC, *America Votes,* biennial (copyright).

No. 434. Presidential Primaries—Votes Cast and Percent of Voting-Age Populatio Casting Votes, by Party: 1988

[Presidential primaries were not held in AK, AZ, CO, DE, HI, IA, KS, ME, MI, MN, NV, ND, SC, UT, VT, WA, and WY]

STATE	Voting age population (VAP) (1,000)	VOTES CAST IN DEMOCRATIC PRIMARY: Total (1,000)	Percent of VAP	VOTES CAST IN REPUBLICAN PRIMARY: Total (1,000)	Percent of VAP	STATE	Voting age population (VAP) (1,000)	VOTES CAST IN DEMOCRATIC PRIMARY: Total (1,000)	Percent of VAP	VOTES CA REPUBLIC PRIMAR: Total (1,000)
AL	3,010	406	13.5	214	7.1	NE	1,167	164	14.1	203
AR	1,761	498	28.3	68	3.9	NH	823	124	15.0	158
CA	20,875	3,139	15.0	2,243	10.8	NJ	5,943	671	11.3	282
CT	2,492	241	9.7	104	4.2	NM	1,101	189	17.1	89
DC	489	86	17.7	7	1.5	NY	13,480	1,575	11.7	-
FL	9,614	1,273	13.2	901	9.4	NC	4,913	680	13.8	274
GA	4,665	623	13.4	401	8.6	OH	7,970	1,376	17.3	787
ID	701	51	7.3	68	9.7	OK	2,404	393	16.3	209
IL	8,550	1,496	17.5	858	10.0	OR	2,051	401	19.6	274
IN	4,068	646	15.9	438	10.8	PA	9,060	1,508	16.6	871
KY	2,746	319	11.6	121	4.4	RI	764	49	6.4	16
LA	3,175	624	19.7	145	4.6	SD	509	72	14.1	93
MD	3,491	531	15.2	201	5.8	TN	3,661	576	15.7	254
MA	4,535	714	15.7	241	5.3	TX	12,270	1,767	14.4	1,015
MS	1,867	359	19.3	159	8.5	VA	4,544	365	8.0	234
MO	3,821	528	13.8	400	10.5	WV	1,398	340	24.3	143
MT	586	122	20.8	86	14.7	WI	3,536	1,015	28.7	359

- Represents zero.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study, '88–'89,* forthcoming.

No. 435. Political Party Identification of the Adult Population, by Degree of Attachm 1960 to 1986

[**In percent.** Covers citizens of voting-age living in private housing units in the contiguous U.S. Data are from the National El Studies and are based on a sample (for 1986, 2,166 respondents) and subject to sampling variability; for details, see sou

DEGREE OF ATTACHMENT	1960	1964	1968	1970	1972	1976	1980	1984
Total	100	100	100	100	100	100	100	100
Strong Democrat	20	27	20	20	15	15	18	17
Weak Democrat	25	25	25	24	26	25	23	20
Independent Democrat	6	9	10	10	11	12	11	11
Independent	10	8	11	13	13	15	13	11
Independent Republican	7	6	9	8	11	10	10	12
Weak Republican	14	14	15	15	13	14	14	15
Strong Republican	16	11	10	9	10	9	9	12
Apolitical	3	1	1	1	1	1	2	2

Source: Center for Political Studies, University of Michigan, Ann Arbor, MI, unpublished data.

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NO. 436. RESIDENT POPULATION OF VOTING-AGE AND PERCENT CASTING VOTES—STATES: 1976 TO 1988

[As of November. Estimated population, 18 years old and over. Includes Armed Forces stationed in each State, aliens, and institutional population. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	VOTING AGE POPULATION (1,000)								PERCENT CASTING VOTES FOR PRESIDENTIAL ELECTORS			PERCENT CASTING VOTES FOR U.S. REPRESENTATIVES		
	1976	1980	1982	1984	1986	1988, proj.								
						Total	Percent—							
							Black	Hispanic [1]	1980	1984	1988	1982	1984	1986
U.S.	152,308	164,595	169,939	174,467	178,482	182,629	11.2	7.1	52.6	53.1	50.2	38.0	47.7	33.4
Region:														
Northeast	35,354	36,287	36,903	37,522	37,997	38,402	10.1	5.7	52.9	54.6	51.7	39.7	51.1	32.6
Midwest	40,248	42,194	42,670	43,180	43,610	43,952	8.9	2.3	59.7	58.9	56.1	44.7	56.0	38.9
South	49,113	54,556	57,235	59,297	61,060	63,032	16.9	6.2	47.3	48.6	45.3	29.4	38.6	26.9
West	27,592	31,558	33,132	34,469	35,815	37,242	5.2	15.9	51.7	51.9	49.7	42.1	49.3	38.5
N.E.	8,711	9,144	9,333	9,559	9,738	9,920	4.0	2.4	59.8	58.7	57.8	44.8	55.5	37.4
ME	759	811	829	854	874	893	.3	.4	64.5	64.7	62.1	54.5	63.5	48.3
NH	593	672	699	734	775	823	.6	.6	57.1	53.0	54.8	38.5	50.8	31.1
VT	337	370	382	392	402	412	.3	.7	57.7	[illegible]	59.0	43.2	57.6	47.0
MA	4,132	4,278	4,350	4,443	4,497	4,535	4.2	2.5	59.0	57.6	58.1	43.5	52.8	33.4
RI	689	710	720	735	750	764	3.2	2.2	58.6	55.7	53.0	46.2	53.0	40.8
CT	2,201	2,304	2,353	2,401	2,440	2,492	7.1	3.9	61.0	61.1	57.9	45.5	59.7	40.2
M.A.	26,643	27,143	27,569	27,963	28,259	28,482	12.3	6.8	50.6	53.2	49.6	37.9	49.6	31.0
NY	12,892	12,933	13,113	13,301	13,406	13,480	14.5	10.3	48.0	51.2	48.1	35.7	46.7	29.1
NJ	5,220	5,422	5,557	5,687	5,812	5,943	12.7	7.3	54.9	56.6	52.1	38.6	52.6	26.7
PA	8,531	8,787	8,899	8,975	9,041	9,060	8.6	1.2	51.9	54.0	50.1	40.8	51.9	36.6
E.N.C.	28,469	29,766	30,009	30,322	30,649	30,914	10.8	2.8	58.7	58.1	54.9	43.3	54.8	37.0
OH	7,461	7,744	7,798	7,841	7,906	7,970	10.0	.9	55.3	58.0	55.1	42.7	55.2	36.8
IN	3,692	3,892	3,938	3,993	4,032	4,068	7.5	1.4	57.6	55.9	53.3	45.6	54.6	36.6
IL	7,939	8,235	8,343	8,438	8,501	8,550	14.2	6.6	57.7	57.1	53.3	43.3	54.3	35.5
MI	6,214	6,520	6,497	6,566	6,691	6,791	13.2	1.6	60.0	57.9	54.0	43.2	52.6	34.8
WI	3,163	3,375	3,433	3,485	3,517	3,536	3.9	1.3	67.4	63.5	62.0	42.3	59.5	39.3
W.N.C.	11,780	12,428	12,661	12,858	12,961	13,037	4.4	1.2	62.1	60.9	58.9	48.1	58.7	43.4
MN	2,726	2,933	3,001	3,058	3,112	3,161	1.3	.8	70.0	68.2	66.3	58.3	64.6	44.8
IA	2,026	2,099	2,113	2,120	2,096	2,068	1.6	.9	62.8	62.2	59.3	47.5	59.8	42.4
MO	3,408	3,578	3,635	3,708	3,766	3,821	9.7	.9	58.7	57.3	54.8	42.0	55.0	38.0
ND	442	467	485	493	488	483	.5	.5	64.6	62.7	61.5	53.8	62.7	58.6
SD	469	488	498	506	510	509	.4	.5	67.1	62.6	61.5	55.3	62.2	56.9
NE	1,081	1,133	1,157	1,172	1,170	1,167	3.0	1.7	56.6	55.6	56.7	44.9	55.5	47.4
KS	1,628	1,730	1,772	1,798	1,816	1,829	5.2	2.8	56.6	56.8	54.3	42.7	55.3	43.3
S.A.	24,586	27,273	28,521	29,737	30,872	32,137	18.8	3.8	46.2	47.5	44.3	29.3	38.6	26.8
DE	412	432	444	459	475	490	16.4	1.5	54.7	55.5	51.1	42.4	52.9	33.9
MD	2,920	3,080	3,164	3,260	3,372	3,491	23.9	1.7	50.0	51.4	49.1	34.5	45.9	31.5
DC	525	495	491	489	488	489	64.8	3.1	35.4	43.1	39.4	22.9	33.1	26.0
VA	3,613	3,930	4,080	4,235	4,377	4,544	17.8	1.6	47.5	50.7	48.2	32.7	43.4	23.8
WV	1,314	1,400	1,421	1,422	1,412	1,398	2.9	.4	52.7	51.8	46.7	38.5	49.5	28.0
NC	3,907	4,274	4,424	4,593	4,738	4,913	20.2	.6	43.4	47.4	43.4	29.9	47.0	33.2
SC	1,983	2,215	2,305	2,382	2,452	2,534	27.3	.6	40.4	40.7	38.9	28.5	39.0	29.2
GA	3,494	3,870	4,041	4,231	4,430	4,665	24.4	.9	41.3	42.0	38.8	22.4	35.9	24.0
FL	6,406	7,578	8,152	8,665	9,127	9,614	11.8	9.4	48.7	48.2	44.7	[2] 27.1	[2] 28.1	[2] 23.5
E.S.C.	9,624	10,399	10,659	10,881	11,068	11,284	17.8	.4	49.5	50.2	46.9	32.6	41.6	30.5
KY	2,434	2,596	2,656	2,697	2,724	2,746	6.9	.4	49.9	50.8	48.2	26.4	44.0	23.1
TN	3,033	3,323	3,406	3,490	3,568	3,661	14.7	.4	48.7	49.1	44.7	34.5	37.7	31.0
AL	2,554	2,757	2,826	2,892	2,947	3,010	23.2	.5	48.7	49.9	45.8	34.0	39.7	37.9
MS	1,603	1,723	1,771	1,802	1,830	1,867	31.4	.4	51.8	52.2	51.1	36.2	48.2	28.6
W.S.C.	14,904	16,884	18,055	18,679	19,120	19,610	13.4	13.9	47.8	49.5	46.2	27.6	36.9	25.1
AR	1,502	1,628	1,667	1,706	1,732	1,761	13.6	.6	51.5	51.8	47.0	45.6	[2] 27.1	36.5
LA	2,623	2,919	3,064	3,129	3,157	3,175	27.5	2.3	53.0	54.5	51.3	16.9	20.5	12.4
OK	1,990	2,207	2,371	2,408	2,405	2,404	6.0	2.1	52.1	52.2	48.7	36.1	46.1	[2] 30.1
TX	8,789	10,130	10,952	11,436	11,826	12,270	11.2	21.1	44.8	47.2	44.2	26.0	40.9	25.5
Mt.	6,834	8,067	8,580	8,967	9,311	9,691	2.4	12.3	53.9	52.8	51.7	41.6	50.5	40.3
MT	519	560	579	591	588	586	.2	1.2	65.0	65.0	62.5	54.7	62.8	54.1
ID	567	646	688	686	693	701	.5	4.0	67.7	59.9	58.4	48.0	59.0	54.3
WY	267	332	355	354	352	351	.7	4.9	53.2	53.3	50.4	44.9	53.1	45.4
CO	1,838	2,123	2,268	2,353	2,414	2,489	3.6	10.6	55.8	56.0	55.1	41.7	53.0	42.2
NM	783	900	957	1,002	1,045	1,101	1.6	36.0	50.8	51.3	47.3	41.3	49.9	36.9
AZ	1,611	1,970	2,116	2,268	2,437	2,605	2.4	14.5	44.4	45.2	45.0	33.6	41.6	33.0
UT	791	935	965	1,023	1,051	1,078	.7	4.2	64.6	61.6	60.0	49.7	58.8	40.8
NV	457	602	652	691	732	780	5.9	7.3	41.2	41.6	44.9	35.9	39.2	35.1
Pac.	20,758	23,491	24,553	25,502	26,504	27,552	6.2	17.2	51.0	51.6	49.0	42.3	48.8	37.9
WA	2,601	3,040	3,143	3,226	3,323	3,417	2.3	3.0	57.3	58.4	54.6	41.6	58.0	39.0
OR	1,679	1,929	1,955	1,984	2,018	2,051	1.4	2.6	61.2	61.9	58.6	51.9	60.6	51.1
CA	15,598	17,548	18,406	19,181	20,015	20,875	7.5	21.6	48.9	49.6	47.4	41.2	46.7	36.0
AK	257	277	318	351	366	365	3.3	2.2	57.3	59.3	52.0	57.0	58.8	49.2
HI	624	697	729	758	784	824	1.8	6.3	43.5	44.3	43.0	40.9	36.4	42.2

[1] Hispanic persons may be of any race. [2] State law does not require tabulation of votes for unopposed candidates.

Source: Compiled by U.S. Bureau of the Census. Population data from U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 948 and 1019; votes cast from Elections Research Center, Washington, DC, *America Votes*, biennial (copyright) and, for 1988, from Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study, '88–'89*, forthcoming.

No. 437. Voter Registration—Registered Voters, 1980 to 1988, and Registration Deadlines and Residency Requirements, 1988

[Registration figures are based on final and official registration statistics provided by Secretaries of State and State Registrars. Th accuracy of registration figures varies according to the stringency of purges conducted in each State and locality. There is, therefore, some inflation in these figures, although the trends between years are likely to be accurate]

STATE	1980		1984		1988						
							Registered voters				Votes cast
							Total [3]				
	Registered voters (1,000)	Percent registered of voting age population	Registered voters (1,000)	Percent registered of voting age population	Registration deadline [1] (days)	Residency requirement [2] (days)	Number (1,000)	Percent of voting-age population	Democrats, percent of total registered	Republicans, percent of total registered	Number (1,000)
U.S.	**[4] 114,802**	**[4] 69.8**	**[4] 126,967**	**[4] 72.8**	(X)	(X)	(NA)	(NA)	(NA)	(NA)	91,610
AL	2,132	77.4	2,343	81.0	10	(6)	2,360	79.1	(NA)	(NA)	1,378
AK	259	94.0	305	87.7	30	30	294	78.3	20.5	20.7	200
AZ	1,121	57.1	1,463	64.8	50	50	1,798	69.0	42.7	45.7	1,172
AR	1,166	72.9	1,268	74.4	20	(6)	1,203	68.3	(NA)	(NA)	828
CA	11,361	64.8	13,074	68.5	29	29	14,005	67.1	50.4	38.6	9,887
CO	1,434	67.6	1,621	69.1	25	32	2,030	81.5	30.5	32.9	1,372
CT	1,706	74.1	1,806	75.0	21	(6)	1,784	71.6	39.1	27.1	1,443
DE	301	69.7	314	68.6	(7)	(6)	318	65.0	43.6	36.1	250
DC	289	58.5	275	56.3	30	(6)	300	61.3	79.3	8.8	193
FL	4,810	63.6	5,574	64.6	30	(6)	6,047	62.9	54.0	39.0	4,302
GA	2,377	61.4	2,732	64.6	30	(6)	2,941	63.1	(NA)	(NA)	1,810
HI	403	57.9	419	55.3	30	(6)	444	53.9	(NA)	(NA)	354
ID	581	90.1	582	84.5	10	30	572	81.7	(NA)	(NA)	409
IL	6,230	75.7	6,470	76.7	28	30	6,357	74.4	(NA)	(NA)	4,559
IN	2,944	75.7	3,054	76.4	29	30	2,866	70.5	(NA)	(NA)	2,169
IA	1,717	81.9	1,729	81.5	10	(6)	1,690	81.7	36.1	31.1	1,226
KS	1,291	74.7	1,291	72.1	20	(6)	1,266	69.2	28.5	41.3	993
KY	1,759	67.8	2,023	75.0	30	30	2,026	73.8	67.2	29.4	1,323
LA	2,015	69.1	2,262	72.4	24	(6)	2,228	70.2	75.2	16.4	1,628
ME	760	93.8	811	94.7	(8)	(6)	855	95.7	(NA)	(NA)	555
MD	2,065	67.0	2,253	69.1	29	(6)	2,310	66.2	64.2	27.6	1,714
MA	3,153	73.7	3,254	73.0	28	(6)	3,275	72.2	(NA)	(NA)	2,633
MI	5,726	87.7	5,889	89.4	30	30	5,953	87.7	(NA)	(NA)	3,669
MN	2,353	80.3	2,893	94.9	(8)	20	2,917	92.3	(NA)	(NA)	2,097
MS	1,482	86.1	1,670	92.6	30	30	1,596	85.5	(NA)	(NA)	953
MO	2,841	79.5	2,969	80.3	20	(6)	2,942	77.0	(NA)	(NA)	2,094
MT	496	88.7	527	89.6	30	30	506	86.3	(NA)	(NA)	366
NE	856	75.8	903	77.2	(9)	(6)	899	77.0	42.1	50.7	661
NV	297	49.4	356	52.0	30	30	445	57.0	47.0	42.4	350
NH	523	77.9	544	74.1	10	10	650	79.0	30.4	36.9	451
NJ	3,766	69.5	4,073	71.3	29	30	4,011	67.5	(NA)	(NA)	3,094
NM	653	72.6	651	65.4	28	(6)	675	61.3	58.5	35.4	521
NY	7,896	61.1	8,044	67.7	30	30	8,612	63.9	(NA)	(NA)	6,486
NC	2,775	65.0	3,271	71.1	[10] 21	30	3,432	69.9	(NA)	(NA)	2,134
ND	(11)	(11)	(11)	(11)	(11)	30	(11)	(11)	(11)	(11)	297
OH	5,887	76.1	6,358	80.9	29	30	6,323	79.3	(NA)	(NA)	4,394
OK	1,458	68.2	1,950	81.2	10	(6)	2,199	91.5	65.3	32.1	1,171
OR	1,569	81.4	1,609	80.8	21	20	1,524	74.3	48.3	36.7	1,202
PA	5,754	65.5	6,194	68.9	30	30	5,876	64.9	52.2	42.9	4,536
RI	531	74.9	542	73.5	30	30	549	71.8	(NA)	(NA)	405
SC	1,236	55.8	1,396	58.4	30	30	1,438	56.7	(NA)	(NA)	986
SD	448	91.9	443	87.9	15	(6)	440	86.5	42.8	49.2	313
TN	2,149	64.6	2,580	73.9	29	20	2,417	66.0	(NA)	(NA)	1,636
TX	6,640	65.6	7,900	69.2	30	30	8,202	66.8	(NA)	(NA)	5,427
UT	782	83.3	840	82.1	20	30	807	74.9	(NA)	(NA)	647
VT	312	84.3	322	82.2	17	(6)	348	84.5	(NA)	(NA)	243
VA	2,302	58.7	2,552	60.2	31	(6)	2,877	63.3	(NA)	(NA)	2,192
WA	2,182	71.9	2,458	76.1	30	30	2,499	73.1	(NA)	(NA)	1,865
WV	1,035	74.0	1,025	71.6	30	30	989	69.3	66.1	31.3	653
WI	(12)	(12)	(12)	(12)	(8)	10	(12)	(12)	(12)	(12)	2,192
WY	219	66.1	240	67.8	30	(6)	226	64.4	35.8	54.9	177

NA Not available. X Not applicable. [1] Number of days prior to a general election by which a prospective voter must register with State or local election officials. [2] Number of days a prospective voter must reside in a State to vote in a general election. [3] Includes voters registered with other parties and with no party (independents), not shown separately. [4] Estimates based on actual registration statistics from the States which keep registration records. Percentages are the actual percentage of the voting age population who registered in the States, for which actual registration figures are available. The estimates are derived by applying that percentage to the national voting age population figure. [5] No residency requirements. [6] No durational residency requirement. To varying degrees, States without durational residency requirements may call for proof of residency or sworn certification of resident status; enforcement of such residency certification often left to discretion of local registration officials. [7] Third Saturday in October. [8] Election day. [9] Second Friday before election day. [10] Business days. [11] North Dakota does not require registration. [12] WI does not keep statewide registration statistics.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study*, '80-'81, '84-'85, and '88-'8

No. 438. Voter Registration in 11 Southern States, by Race: 1980 to 1986

[In thousands, except percent. Covers population 18 years old and over]

YEAR AND RACE	Total	AL	AR	FL	GA	LA	MS	NC	SC	TN	TX	VA
1980: White	24,981	1,700	1,056	4,331	1,800	1,550	1,152	2,314	916	2,200	6,020	1,942
Black	4,254	350	130	489	450	465	330	440	320	300	820	360
Percent of—												
White voting age pop	71.9	81.4	76.9	67.7	63.0	74.8	98.9	70.1	58.5	78.5	75.1	62.2
Black voting age pop	55.8	55.8	57.2	58.3	48.6	60.7	62.3	51.3	53.7	64.0	56.0	53.2
1982: White	22,868	1,657	964	4,200	1,907	1,491	1,055	2,161	862	1,998	4,753	1,820
Black	4,302	437	145	500	467	468	340	436	321	310	548	330
1984: [1] White	27,999	[2] 1,828	[2] 1,097	4,983	2,102	1,701	[2] 1,211	2,622	1,005	[2] 2,217	[2] 7,030	[2] 2,203
Black	5,597	[2] 516	[2] 171	591	594	561	[2] 459	619	389	[2] 362	[2] 870	[2] 464
1986: [3] White	[2] 27,028	[2] 1,807	[2] 1,030	4,677	1,990	1,580	[2] 1,193	2,468	932	[2] 2,186	[2] 7,068	[2] 2,097
Black	[2] 5,450	[2] 509	[2] 157	576	576	551	[2] 450	585	371	[2] 358	[2] 875	[2] 442
Percent of—												
White voting age pop	69.9	77.5	67.2	66.9	62.3	67.8	91.6	67.4	53.4	70.0	79.0	60.3
Black voting age pop	60.8	68.9	57.9	58.2	52.8	60.6	70.8	58.4	52.5	65.3	68.0	56.2

[1] As of October, except Arkansas as of November. [2] Estimated. [3] As of August.

Source: Voter Education Project, Inc., Atlanta, GA, *Voter Registration in the South*, semiannual.

No. 439. Political Party Financial Activity, by Major Political Party: 1977-1978 to 1985-1986

[In millions of dollars. Covers financial activity during 2 year calender period indicated. Some political party financial activities, such as building funds and state and local election spending, are not reported to the source. Also excludes contributions earmarked to federal candidates through the party organizations, since some of those funds never passed through the committees' accounts]

YEAR AND TYPE OF COMMITTEE	DEMOCRATIC				REPUBLICAN			
	Receipts, net [1]	Disburse-ments, net [1]	Contri-butions to candi-dates	Monies spent on behalf of party's nominees [2]	Receipts, net [1]	Disburse-ments, net [1]	Contri-butions to candi-dates	Monies spent on behalf of party's nominees [2]
1977-1978	26.4	26.9	1.8	.4	84.5	85.9	4.5	4.3
1979-1980, total	**37.2**	**35.0**	**1.7**	**4.9**	**169.5**	**161.8**	**4.5**	**12.4**
National committee	15.1	14.8	(Z)	3.9	76.2	73.2	.8	5.4
Senatorial committee	1.7	1.6	.5	.6	23.3	21.2	.4	5.0
Congressional committee	2.1	2.0	.6	(Z)	28.6	26.1	2.0	1.2
Conventions, other national	9.2	7.8	(Z)	-	7.6	8.7	.5	-
State and local	9.1	8.8	.4	.4	33.8	32.5	.8	.8
1981-1982, total	**39.3**	**40.1**	**1.7**	**3.3**	**215.0**	**214.0**	**5.6**	**14.3**
National committee	16.4	16.5	.1	.1	83.5	84.3	1.7	.2
Senatorial committee	5.6	5.6	.5	1.9	48.9	47.7	.6	8.7
Congressional committee	6.5	6.5	.6	.2	58.0	57.0	2.6	4.9
Conventions, other national	3.1	3.9	-	-	.6	.9	(Z)	-
State and local	7.6	7.7	.5	1.1	24.0	24.1	.8	.4
1983-1984, total	**98.5**	**97.4**	**2.6**	**9.0**	**297.9**	**300.8**	**4.9**	**20.1**
National committee	46.6	46.6	.9	2.7	105.9	104.6	.8	6.8
Senatorial committee	8.9	8.7	.4	3.9	81.7	83.5	.6	6.7
Congressional committee	10.4	10.2	.8	1.1	58.3	61.7	2.6	6.3
Conventions, other national	14.0	13.7	-	-	8.9	8.9	-	-
State and local	18.5	18.2	.5	1.3	43.1	41.9	.9	.3
1985-1986, total	**64.8**	**65.9**	**1.7**	**9.0**	**255.2**	**258.9**	**3.4**	**14.3**
National committee	17.2	17.4	(Z)	.3	83.8	86.7	.4	(Z)
Senatorial committee	13.4	13.5	.6	6.1	84.4	83.7	.6	10.0
Congressional committee	12.3	12.6	.6	1.5	39.8	40.8	1.7	4.1
Conventions, other national	7.9	8.1	(Z)	-	.2	.2	-	-
State and local	14.0	14.3	.5	1.0	47.0	47.4	.8	.3

- Represents zero. Z Less than $50,000. [1] Excludes monies transferred between affiliated committees. [2] Monies spent in the general election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, Final Report, Party and Non-Party Political Committees*, biennial.

No. 440. Independent Expenditures for Presidential and Congressional Campaigns: 1979–1980 to 1985–1986

[**In thousands of dollars.** Covers campaign finance activity during 2 year calendar period indicated. An "independent expenditure" is money spent to support or defeat a clearly identified candidate. According to Federal election law, such an expenditure must be made without cooperation or consultation with the candidate or his/her campaign. Independent expenditures are not limited as are contributions]

TYPE OF OFFICE	ALL PARTIES			DEMOCRATS		REPUBLICANS		OTHERS	
	Total	For	Against	For	Against	For	Against	For	Agains
1979–1980, total	**16,084**	**13,893**	**2,191**	**441**	**2,057**	**13,180**	**123**	**272**	11
President	13,745	12,933	813	123	737	12,538	65	272	11
Congress	2,339	961	1,378	318	1,321	642	58	(Z)	(NA)
Senate	1,654	359	1,295	127	1,283	232	12	(NA)	(NA)
House of Representatives	685	602	83	191	38	410	45	(Z)	(NA)
1983–1984, total	**23,419**	**19,951**	**3,468**	**1,693**	**1,015**	**18,257**	**2,453**	(NA)	(NA)
President	17,468	16,637	831	806	487	15,830	344	1	(NA)
Congress	5,951	3,313	2,638	887	528	2,427	2,109	(NA)	(NA)
Senate	4,627	2,134	2,493	326	410	1,808	2,082	(NA)	(NA)
House of Representatives	1,325	1,180	145	561	118	619	27	(NA)	(NA)
1985–1986, total [1]	**10,205**	**8,832**	**1,373**	**3,450**	**888**	**5,376**	**485**	6	-
Senate	5,312	4,331	980	966	632	3,343	348	(NA)	(NA)
House of Representatives	4,053	3,706	347	2,386	227	1,314	120	6	-

- Represents zero. NA Not available. Z Less than $500. [1] Includes some independent expenditures made for and against Presidential candidates that were paid in 1985–86 but related to 1983–84 elections, not shown separately.

Source: U.S. Federal Election Commission, *1979–80 FEC Index of Independent Expenditures,* November 1981; *1983–1984 FEC Index of Independent Expenditures,* July 1985; and *FEC Index of Independent Expenditures, 1985–86,* March 1988.

No. 441. Presidential Campaign Finances—Primary Campaign Receipts and Disbursements and Federal Funds for General Election: 1979–1980 and 1983–1984

[**In millions of dollars.** Covers campaign finance activity during 2 year calendar period indicated. Based on disclosure documents submitted by candidates, their principal campaign committees, and other authorized committees. Figures adjusted to eliminate refunds and rebates, refunded contributions, loan repayments, and transfers to or from affiliated committees]

RECEIPTS AND DISBURSEMENTS	PRIMARY CAMPAIGN						GENERAL ELECTION—NET FEDERAL FUNDS DISTRIBUTED			
	1979–1980 [1]			1983–1984 [2]			1979–1980		1983–1984	
	Total	Demo-cratic	Republi-can	Total [3]	Demo-cratic	Republi-can	Candidate	Amount	Candidate	Amour
Receipts, total [4]	**94.2**	**35.6**	**58.5**	**105.0**	**77.5**	**27.1**	**Total**	**62.7**	**Total**	**80.3**
Individual contributions	61.0	23.9	37.1	62.8	46.2	16.4	Anderson [5]	4.2	Mondale	40.2
Federal matching funds	30.9	10.3	20.5	34.9	24.6	10.1	Carter	29.4	Reagan	40.1
Disbursements	92.3	35.6	56.7	103.6	77.4	25.9	Reagan	29.2		

[1] Covers 10 candidates who received Federal matching funds (Democrats: Edmund Brown, James Carter, Edward Kennedy, and Lyndon LaRouche; Republicans: John Anderson, Howard Baker, George Bush, Phillip Crane, Robert Dole, and Ronald Reagan).
[2] Covers 11 candidates who received Federal matching funds (Democrats: Reubin Askew, Alan Cranston, John Glenn, Gary Hart, Ernest Hollings, Jesse Jackson, Lyndon LaRouche, George McGovern and Walter Mondale; Republican: Ronald Reagan; Citizens Party: Sonia Johnson). [3] Includes Citizens Party candidate not shown separately. [4] Includes other types of receipts, not shown separately. [5] John Anderson, as the candidate of a new party, was permitted to raise funds privately. Total receipts for the Anderson campaign, including Federal funds, were 17.6 million dollars and total expenditures were 15.6 million dollars.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1979–1980, Final Report: Presidential Pre-Nomination Campaigns,* October 1981; November 15, 1981 press release on public financing 1980 Presidential election; and *FEC Reports on Financial Activity, 1983–84, Final Report: Presidential Pre-Nomination Campaigns,* April 1986; June 4, 1986 press release on final 1984 Presidential statistical report.

No. 442. Political Action Committees—Number by Committee Type: 1974 to 1987

[As of **December 31, except 1975 as of November 24**]

YEAR	Total	Corporate	Labor	Trade/membership/health	Non-connected	Cooperative	Corporation without stock
1974	608	89	201	318			
1975	722	139	226	357			
1976	1,146	433	224	489			
1977	1,360	550	234	438	110	8	20
1978	1,653	785	217	453	162	12	24
1979	2,000	950	240	514	247	17	32
1980	2,551	1,206	297	576	374	42	56
1981	2,901	1,329	318	614	531	41	[illegible]
1982	3,371	1,469	380	649	723	47	103
1983	3,525	1,538	378	643	793	51	122
1984	4,009	1,682	394	698	1,053	52	130
1985	3,992	1,710	388	695	1,003	54	142
1986	4,157	1,744	384	745	1,077	56	151
1987	4,165	1,775	364	865	957	59	145

Source: U.S. Federal Election Commission, press release January 18, 1988.

No. 443. CONGRESSIONAL CAMPAIGN FINANCES—RECEIPTS AND DISBURSEMENTS: 1981 TO 1986

[Covers all campaign finance activity during 2 year calendar period indicated for primary, general, run-off, and special elections. For 1981-1982 relates to 1,957 House of Representatives candidates and to 283 Senate candidates; for 1983-1984 to 1,782 House of Representatives candidates and 254 Senate candidates; for 1985-1986 to 1,611 House of Representatives candidates and 282 Senate candidates. Data have been adjusted to eliminate transfers between all committees within a campaign. For further information on legal limits of contributions, see source's brochure "Contributions"]

ITEM	HOUSE OF REPRESENTATIVES						SENATE					
	Amount (mil. dol.)			Percent distribution			Amount (mil. dol.)			Percent distribution		
	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986
Total receipts [1]	**213.2**	**222.5**	**257.7**	**100.0**	**100.0**	**100.0**	**141.5**	**174.7**	**214.4**	**100.0**	**100.0**	**100.0**
Contributions:												
$500 and over	34.0	37.5	50.4	15.9	16.8	19.6	36.6	44.0	68.6	25.9	25.2	32.0
Party committee	6.1	5.5	3.6	2.8	2.5	1.0	1.2	1.1	1.4	.8	.6	.6
Non-party committee	61.1	75.7	87.4	28.6	34.0	33.9	22.6	29.7	45.3	15.9	17.0	21.1
Democrats	108.8	121.4	139.9	51.1	54.6	54.3	69.0	84.2	91.8	48.8	48.2	42.8
Republicans	104.1	100.5	117.7	48.8	45.2	45.7	72.1	90.3	122.5	51.0	51.7	57.1
Others	.3	.5	.1	.1	.2	(z)	.4	.2	.1	.3	.1	(z)
Incumbents	110.6	132.4	149.7	51.9	59.5	58.1	55.1	74.8	90.3	38.9	42.8	42.1
Challengers	53.7	55.5	49.2	25.2	25.0	19.1	48.0	38.9	67.2	33.9	22.3	31.3
Open seats [2]	48.9	34.6	58.8	22.9	15.5	22.8	38.4	61.0	56.9	27.1	34.9	26.5
Total disbursements	**204.0**	**203.6**	**239.3**	**100.0**	**100.0**	**100.0**	**138.4**	**170.5**	**211.6**	**100.0**	**100.0**	**100.0**
Democrats	103.1	111.0	128.7	50.5	54.5	53.8	66.9	82.0	89.0	48.3	48.1	42.0
Republicans	100.6	91.8	110.5	49.3	45.1	46.2	71.1	88.3	122.6	51.4	51.8	57.9
Others	.3	.7	.1	.2	.3	(z)	.4	.2	(z)	.3	.1	(z)
Incumbents	102.6	114.9	132.5	50.3	56.5	55.4	52.9	72.1	89.3	38.2	42.3	42.2
Challengers	53.1	54.7	48.8	26.1	26.9	20.4	47.6	38.3	66.2	34.4	22.5	31.3
Open seats [2]	48.2	33.9	58.0	23.6	16.7	24.2	37.9	60.1	56.1	27.4	35.3	26.5

Z Less than $50,000 or .05 percent. [1] Includes other types of receipts, not shown separately. [2] Elections in which an incumbent did not seek re-election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1981-1982, Final Report, U.S. Senate and House Campaigns*, October 1983; *FEC Reports on Financial Activity, 1983-84, Final Report, U.S. Senate and House Campaigns*, November 1985; and *FEC Reports on Financial Activity, 1985-86, Final Report, U.S. Senate and House Campaigns*, March 1988.

No. 444. CONTRIBUTIONS TO CONGRESSIONAL CAMPAIGNS BY POLITICAL ACTION COMMITTEES (PAC) BY TYPE OF COMMITTEE: 1979 TO 1986

[In millions of dollars. Covers amounts given to candidates in primary, general, run-off, and special elections during the two-year calendar period indicated]

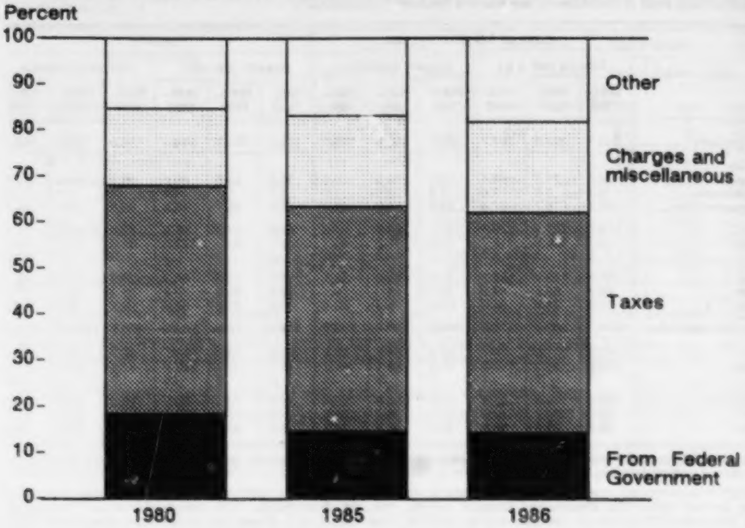
TYPE OF COMMITTEE	HOUSE OF REPRESENTATIVES						SENATE					
	Total	Democrats	Republicans	Incumbents	Challengers	Open seats [1]	Total	Democrats	Republicans	Incumbents	Challengers	Open seats [1]
1979-1980, total [2]	**37.9**	**20.5**	**17.2**	**24.9**	**7.9**	**5.1**	**17.3**	**8.4**	**8.8**	**8.6**	**6.6**	**2.1**
Corporate	12.2	4.8	7.5	8.1	2.6	1.5	6.9	2.1	4.8	2.7	3.3	.9
Trade association [3]	11.7	5.1	6.6	8.0	2.2	1.5	4.1	1.9	2.2	2.2	1.4	.5
Labor	9.4	8.9	.4	6.6	1.5	1.2	3.8	3.4	.4	2.7	.7	.4
Non-connected [4]	3.1	.9	2.1	1.0	1.4	.7	1.9	.5	1.4	.5	1.1	.3
1981-1982, total [2]	**61.1**	**34.2**	**26.8**	**40.8**	**10.9**	**9.4**	**22.6**	**11.2**	**11.4**	**14.3**	**5.2**	**3.0**
Corporate	18.9	7.0	12.0	14.4	2.0	2.6	8.6	2.4	6.2	5.5	1.7	1.4
Trade association [3]	16.8	7.2	9.7	12.4	2.1	2.3	5.0	2.2	2.8	3.7	.8	.5
Labor	15.4	14.7	.7	8.5	4.3	2.6	4.9	4.5	.4	3.0	1.3	.5
Non-connected [4]	7.4	3.9	3.5	3.4	2.5	1.6	3.3	1.6	1.7	1.5	1.3	.5
1983-1984, total [2]	**75.7**	**46.3**	**29.3**	**57.2**	**11.3**	**7.2**	**29.7**	**14.0**	**15.6**	**17.9**	**6.3**	**5.4**
Corporate	23.4	10.4	13.1	18.8	2.6	2.0	12.0	3.2	8.8	8.8	1.1	2.2
Trade association [3]	20.4	10.5	9.9	16.5	2.1	1.7	6.3	2.7	3.7	4.5	.9	1.0
Labor	19.8	18.8	1.0	14.3	3.5	2.0	5.0	4.7	.3	1.6	2.3	1.2
Non-connected [4]	9.1	4.7	4.4	4.9	2.9	1.3	5.4	3.0	2.4	2.4	2.0	1.0
1985-1986, total	**87.4**	**54.7**	**32.6**	**65.9**	**9.1**	**12.4**	**45.3**	**20.2**	**25.1**	**23.7**	**10.2**	**11.4**
Corporate	26.9	12.9	14.0	22.9	1.0	3.0	19.2	4.8	14.4	11.7	2.7	4.9
Trade association [3]	23.4	12.3	11.2	19.3	1.3	2.8	9.5	3.8	5.7	5.7	1.6	2.1
Labor	22.6	21.1	1.6	14.7	4.3	3.6	7.2	6.6	.6	2.2	3.2	1.9
Non-connected [4]	11.1	6.6	4.5	6.1	2.4	2.6	7.7	4.2	3.4	3.1	2.4	2.2
Cooperative	1.9	1.1	.8	1.7	(z)	.2	.6	.3	.3	.4	.1	.1
Corporation without stock	1.4	.8	.6	1.2	.1	.2	1.0	.4	.6	.6	.2	.2

Z Less than $50,000. [1] Elections in which an incumbent did not seek re-election. [2] Includes other types of political action committees not shown separately. [3] Includes membership organizations and health organizations. [4] Represents "ideological" groups as well as other issue groups not necessarily ideological in nature.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1979-1980, Final Report, U.S. Senate and House Campaigns*, March 1982; *FEC Reports on Financial Activity, 1981-1982, Final Report, U.S. Senate and House Campaigns*, October 1983; *FEC Reports on Financial Activity, 1983-1984, Final Report, U.S. Senate and House Campaigns*, November 1985; and *FEC Reports on Financial Activity, 1985-86, Final Report, U.S. Senate and House Campaigns*, March 1988.

Figure 9.1

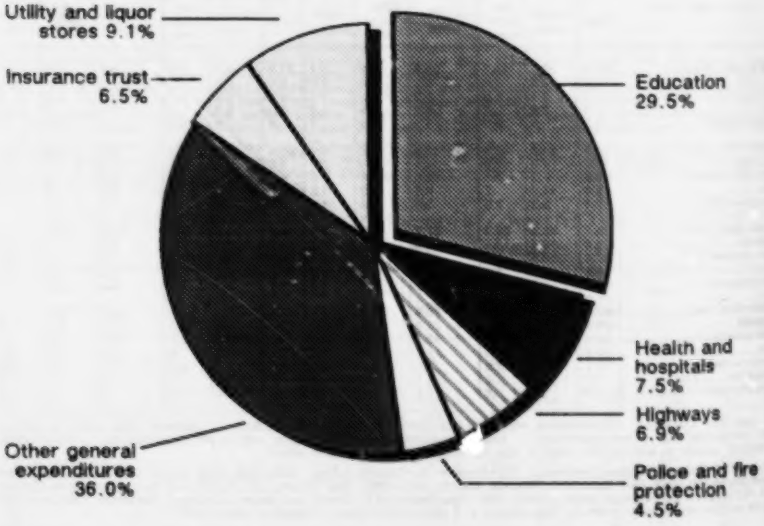
State and Local Government Revenue-Percent Distribution, by Source: 1980 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 453.

Figure 9.2

State and Local Government Expenditure-Percent Distribution, by Sector: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 453.

Section 9

State and Local Government Finances and Employment

This section presents data on revenues, expenditures, debt, and government employment of ate and local governments. Nationwide statistics relating to State and local governments, their mbers, finances, and employment, are compiled primarily by the Bureau of the Census through a ogram of censuses and surveys. Every fifth year (for years ending in "2" and "7") the Bureau nducts a Census of Governments involving collection of data for all governmental units in the nited States. In addition, the Bureau conducts annual surveys which cover all the State governents and a sample of local governments.

Publications issued annually by the Bureau of the Census include a report on governmental fiances which presents figures for the Federal Government, nationwide totals for State and local overnments, by type, and State-local data by States. Also issued annually are a series of publicaons on State, city, county, and school finances, and on city, county, and other public employment. nancial data are published in the GF publication series; employment data in the GE series. There also a series of quarterly reports covering tax revenue, and of finances of major public employee tirement systems, as well as a series (GSS) of special studies. *Recurrent Publications on Governents* describes the publication program.

Basic information for Census Bureau statistics on governments is obtained by mail canvass from tate and local officials; however, financial data for each of the State governments and for many of e large local governments are compiled from their official records and reports by Census Bureau ersonnel. In over half of the States, all or part of local government financial data are obtained rough central collection arrangements with State governments. Financial data on the Federal overnment is based on the *Budget* published by the Office of Management and Budget (see page 01).

Governmental units.—The governmental structure of the United States includes, in addition to e Federal Government and the States, thousands of local governments—counties, municipalities, ownships, school districts, and numerous kinds of "special districts." As shown by table 445, lmost 83,200 local governments were identified by the 1987 Census of Governments. As defined y the census, governmental units include all agencies or bodies having an organized existence, overnmental character, and substantial autonomy. While most of these governments can impose axes, many of the special districts—such as independent public housing authorities, the New York ort Authority, and numerous local irrigation, power, and other types of districts—are financed from entals, charges for services, benefit assessments, grants from other governments, toll charges, nd other nontax sources. The count of governments excludes semi-autonomous agencies through hich States, cities, and counties sometimes provide for certain functions—for example, "dependnt" school systems, State institutions of higher education, and certain other "authorities" and speial agencies which are under the administrative or fiscal control of an established governmental nit.

Finances.—Unless otherwise stated, financial data relate to fiscal years ending in the year hown. Most States end their fiscal year June 30; however Alabama and Michigan end their fiscal ears Sept. 30; New York, March 31; and Texas, Aug. 31. The Federal Government ended the cal year June 30 until 1976 when its fiscal year, by an act of Congress, was revised to extend om Oct. 1 to Sept. 30. A three-month quarter (July 1 to Sept. 30, 1976) bridged the transition. eginning 1963, local government figures are for fiscal years which close at various dates during e 12 months ended June 30 of the year specified (exceptions are school districts in Alabama, hich close Sept. 30 of the specified year; school districts in Texas, which close Aug. 31 of year ated; and Washington, DC which ends its fiscal year Sept. 30); figures for 1962 and earlier years re for fiscal years ended during the calendar year.

Nationwide government finance statistics have been classified and presented in terms of uniform concepts and categories, rather than according to the highly diverse terminology, organization, and fund structure utilized by individual governments. Accordingly, financial statistics which appear here for the Federal Government and for individual States or local governments have been standardized and may not agree directly with figures appearing in the original sources.

Statistics on governmental finances distinguish among general government, utilities, liquor stores, and insurance trusts. *General government* comprises all activities except utilities, liquor stores, and insurance trusts. Utilities include government water supply, electric light and power, gas supply, and transit systems. Liquor stores are operated by 17 States and by local governments in six States. Insurance trusts relate to employee retirement, unemployment compensation, and other social insurance systems administered by the Federal, State, and local governments.

Data for cities relate only to municipal corporations and their dependent agencies, and do not include amounts for other local governments overlying city areas. Therefore, expenditure figures for "education" do not include spending by the separate school districts which administer public schools within most municipal areas. Variations in the assignment of governmental responsibility for public assistance, health, hospitals, public housing, and other functions to a lesser degree also have an important effect upon reported amounts of city expenditure, revenue, and debt. Therefore, any intercity comparisons based upon these figures should be made with caution, and with due recognition of variations that exist among urban areas in the relative role of the municipal corporation.

Employment and payrolls.—These data are based mainly on mail canvassing of State and local governments. Payroll includes all salaries, wages, and individual fee payments for the month specified, and employment relates to all persons on governmental payrolls during a pay period of the month covered—including paid officials, temporary help, and (unless otherwise specified) part-time as well as full-time personnel. Beginning 1986, statistics for full-time equivalent employment have been computed with a formula using hours worked by part-time employees. A payroll based formula was used prior to 1985. Full-time equivalent employment statistics were not computed for 1985. Figures shown for individual governments cover major dependent agencies such as institutions of higher education, as well as the basic central departments and agencies of the government.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

NO. 445. NUMBER OF GOVERNMENTAL UNITS, BY TYPE OF GOVERNMENT: 1942 TO 1987

[See text, section 9]

TYPE OF GOVERNMENT	1942	1952 [1]	1957 [1]	1962	1967	1972	1977	1982	1987
Total	**155,116**	**116,807**	**102,392**	**91,237**	**81,299**	**78,269**	**79,913**	**81,831**	**83,237**
U.S. Government	1	1	1	1	1	1	1	1	1
State government	48	50	50	50	50	50	50	50	50
Local governments	155,067	116,756	102,341	91,186	81,248	78,218	79,862	81,780	83,186
County	3,050	3,052	3,050	3,043	3,049	3,044	3,042	3,041	3,042
Municipal	16,220	16,807	17,215	18,000	18,048	18,517	18,862	19,076	19,200
Township and town	18,919	17,202	17,198	17,142	17,105	16,991	16,822	16,734	16,691
School district	108,579	67,355	50,454	34,678	21,782	15,781	15,174	14,851	14,721
Special district	8,299	12,340	14,424	18,323	21,264	23,885	25,962	28,078	29,532

[1] Adjusted to include units in Alaska and Hawaii which adopted statehood in 1959.

Source: U.S. Bureau of the Census, *Census of Governments: 1967,* vol. 1, No. 1, *Governmental Organization, 1982,* vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *Census of Governments, 1987,* vol. 1, No. 1, *GovernmentOrganization.*

No. 446. All Governments—Revenue, Expenditure, and Debt: 1970 to 1986

[For fiscal years ending in year shown; see text, section 9. Local government amounts are estimates subject to sampling variation; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970,* series Y 505-637 and Y 652-848]

ITEM AND YEAR	All governments (bil. dol.)	FEDERAL [1]		STATE AND LOCAL (bil. dol.)			ANNUAL PERCENT CHANGE [2]			PER CAPITA [3] (dollars)		
		Total (bil. dol.)	Percent of total	Total	State	Local	Federal	State	Local	Total	Federal	State and local
Revenue:[4] 1970	[5] 334	206	61.6	[5] 150	89	89	7.5	10.5	9.1	[5] 1,642	1,011	738
1980	[5] 932	565	60.7	[5] 452	277	258	10.6	12.0	11.2	[5] 4,115	2,496	1,993
1985	[5] 1,419	807	56.9	[5] 720	439	402	7.4	9.7	9.3	[5] 5,943	3,379	3,016
1986	[5] 1,516	848	55.9	[5] 763	481	435	5.1	9.5	8.0	[5] 6,286	3,515	3,249
Intergovernmental: 1970	(x)	-	(x)	[5] 22	20	30	-	11.6	11.3	(x)	-	108
1980	(x)	2	(x)	[5] 83	64	102	(x)	12.3	13.3	(x)	8	367
1985	(x)	2	(x)	[5] 106	90	138	1.6	6.9	6.2	(x)	8	445
1986	(x)	2	(x)	[5] 113	99	147	10.7	9.7	6.6	(x)	9	469
General, own sources:												
1970	272	164	60.0	109	58	51	6.5	10.8	8.4	1,340	805	536
1980	717	417	58.2	299	169	130	9.8	11.4	9.7	3,163	1,842	1,321
1985	1,050	559	53.2	492	276	216	6.0	10.3	10.7	4,400	2,339	2,061
1986	1,107	578	52.3	528	295	233	3.6	8.9	8.1	4,591	2,390	2,191
Taxes:[4] 1970	233	146	62.7	87	48	39	6.6	10.3	7.9	1,145	719	427
1980	574	351	61.1	223	137	86	9.2	11.1	8.3	2,535	1,548	986
1985	804	454	56.4	350	216	134	5.3	9.5	9.3	3,369	1,902	1,468
1986	845	472	55.8	373	228	145	3.9	5.6	7.8	3,505	1,957	1,547
Property: 1970	34	-	(x)	34	1	33	(x)	6.1	7.6	168	-	168
1980	68	-	(x)	68	3	66	(x)	10.2	7.1	302	-	302
1985	104	-	(x)	104	4	100	(x)	6.6	8.8	435	-	435
1986	112	-	(x)	112	4	107	(x)	9.3	7.6	463	-	463
Individual income: 1970	101	90	89.3	11	9	2	9.3	15.3	20.4	498	445	53
1980	286	244	85.3	42	37	5	10.4	15.0	11.9	1,263	1,077	186
1985	401	331	82.5	70	64	6	6.3	11.5	5.3	1,681	1,386	295
1986	423	349	82.4	74	67	7	5.5	5.6	7.7	1,756	1,447	309
Corporate income:												
1970	37	33	89.8	4	4	(8)	4.3	12.2	(x)	180	161	18
1980	78	65	82.9	13	13	-	7.0	13.6	-	344	285	59
1985	80	61	76.2	19	18	2	-1.0	5.8	(x)	337	257	80
1986	83	63	76.0	20	18	2	3.0	4.2	4.4	345	262	83
Sales or gross receipts: 1970	49	[7] 18	37.6	30	27	3	3.8	10.0	8.6	239	[7] 90	149
1980	112	[7] 32	28.6	80	68	12	5.8	9.6	14.7	494	[7] 141	353
1985	176	[7] 49	28.0	126	105	21	8.9	9.2	11.7	735	[7] 206	529
1986	182	[7] 47	25.8	135	112	23	-4.3	6.6	8.0	755	[7] 195	560
Current charges and miscellaneous: 1970	40	18	44.2	22	10	13	5.7	14.0	10.0	195	86	109
1980	142	67	46.7	76	33	44	14.3	12.9	13.3	629	294	335
1985	246	104	42.5	142	60	82	9.4	13.3	13.3	1,031	438	593
1986	262	107	40.7	155	67	88	2.0	11.3	8.5	1,086	442	644
Expenditures:[4] 1970	[5] 333	206	62.5	[5] 148	85	93	7.9	10.4	9.0	[5] 1,638	1,024	728
1980	[5] 959	617	64.4	[5] 434	258	261	11.5	11.7	10.9	[5] 4,232	2,724	1,916
1985	[5] 1,581	1,032	65.3	[5] 656	391	391	10.8	8.7	8.4	[5] 6,622	4,323	2,756
1986	[5] 1,696	1,096	64.6	[5] 718	424	428	6.2	8.6	9.5	[5] 7,035	4,548	2,976
Intergovernmental: 1970	(x)	23	(x)	[5] –	29	1	12.8	11.8	11.7	(x)	114	-
1980	(x)	91	(x)	[5] 2	85	2	14.6	11.3	10.8	(x)	401	8
1985	(x)	107	(x)	[5] 2	122	4	3.4	7.6	16.1	(x)	449	8
1986	(x)	116	(x)	[5] 2	132	5	7.8	8.6	18.9	(x)	480	9
Direct:[4] 1970	333	185	55.5	148	56	92	7.4	9.8	9.0	1,638	910	728
1980	959	526	54.9	432	173	259	11.0	11.9	10.9	4,232	2,323	1,908
1985	1,581	925	58.5	656	269	387	11.9	9.2	8.4	6,622	3,874	2,748
1986	1,696	981	57.8	715	292	423	6.0	8.6	9.4	7,035	4,068	2,967
Current operation: 1970	197	99	50.3	98	31	67	8.1	12.5	9.5	969	487	482
1980	517	209	40.5	308	108	200	7.8	13.3	11.6	2,282	923	1,359
1985	833	360	43.3	472	172	300	11.5	9.7	8.5	3,488	1,509	1,979
1986	898	386	43.0	512	186	325	7.3	8.2	8.4	3,724	1,603	2,122
Capital outlay: 1970	48	18	37.6	30	13	16	.6	7.2	6.8	234	88	146
1980	99	36	36.7	63	23	40	7.4	5.8	9.2	439	161	278
1985	157	77	49.1	80	31	49	16.1	5.6	4.5	657	323	335
1986	176	86	48.6	90	35	56	11.2	12.7	13.5	730	355	375
Debt outstanding:[8] 1970	514	371	72.1	144	42	102	2.6	8.5	7.1	2,531	1,824	706
1980	1,250	914	73.2	336	122	214	9.4	11.3	7.7	5,517	4,036	1,481
1985	2,396	1,827	76.3	569	212	357	14.9	11.7	10.8	10,036	7,655	2,382
1986	2,788	2,130	76.4	659	248	411	16.5	16.9	15.3	11,565	8,833	2,733

- Represents zero. X Not applicable. [1] Data adjusted to system for reporting State and local data and therefore differ from figures in section 10 tables. [2] Represents average for period of intervals shown; for 1970, change from 1960. For explanation, see Guide to Tabular Presentation. Minus sign (–) indicates decrease. [3] 1970 and 1980, based on enumerated resident population as of April 1; 1985 and 1986 based on estimated resident population as of July 1. Excludes intergovernmental amounts. [4] Includes amounts, not shown separately. [5] Aggregates exclude duplicative transactions between levels of government; see source. [6] Minor amounts included in individual income tax. [7] Includes customs. [8] End of fiscal year.

Source: U.S. Bureau of the Census, *Census of Governments: 1977* and *1982, Historical Statistics on Governmental Finances and Employment* (GC 77(6)-4 and 82(6)-4); and *Government Finances,* series GF, No. 5, annual.

No. 447. All Governments—Revenue and Expenditure, by Level of Government: 1986

[For fiscal year ending in year shown, see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See also *Historical Statistics, Colonial Times to 1970,* series Y 505-637 and Y 652-848]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	All governments (mil. dol.)	Federal (mil. dol.)	State (mil. dol.)	Local (mil. dol.)	PERCENT		PER CAPITA[1] (dol.)	
					Federal	State and local	Federal	Sta and loc
Revenue	**[2] 1,515,523**	**847,516**	**481,174**	**[2] 434,802**	**100.0**	**100.0**	**3,515**	**3,26**
Intergovernment revenue	(2)	2,136	98,574	147,256	.3	14.4	9	40
Revenue from own sources	1,515,523	845,378	382,800	287,545	99.7	85.6	3,506	2,78
General revenue from own sources	1,106,832	578,473	294,902	233,457	68.3	67.5	2,399	2,19
Percent of total revenue	73.0	68.3	61.3	53.7	(x)	(x)	(x)	(x
Taxes [3]	844,949	471,898	228,054	144,997	55.7	47.6	1,957	1,547
Property	111,711	(x)	4,355	107,356	(x)	14.3	(x)	46
Individual income	423,376	348,959	67,469	6,948	41.2	9.5	1,447	30
Corporation income	83,094	63,143	18,363	1,588	7.5	2.5	262	8
Sales and gross receipts	182,017	47,046	112,343	22,628	5.6	17.2	195	58
Customs duties	13,420	13,420	(x)	(x)	1.6	(x)	56	(x
General sales and gross receipts	90,710	(x)	74,821	15,889	(x)	11.6	(x)	37
Selective sales and gross receipts [3]	77,886	33,626	37,522	6,739	4.0	5.7	139	18
Motor fuel	26,041	11,641	14,087	313	1.4	1.8	48	6
Alcoholic beverages	8,924	5,601	3,062	261	.7	.4	23	14
Tobacco products	9,257	4,608	4,449	200	.5	.6	19	1
Public utilities	15,074	5,047	6,003	4,024	.6	1.3	21	42
Motor vehicle and operators' licenses	8,942	(x)	8,374	568	(x)	1.1	(x)	37
Death and gift	9,492	6,958	2,534	-	.8	.3	29	11
Charges and misc. general revenue [3]	261,883	106,575	66,848	88,460	12.6	19.8	442	64
Current charges [3]	143,691	63,291	29,987	50,413	7.5	10.3	263	33
National defense and international relations	6,774	6,774	(x)	(x)	.8	(x)	28	(x
Postal service	29,099	29,099	(x)	(x)	3.4	(x)	121	(x
Education [3]	23,745	-	17,163	6,583	-	3.0	-	9
School lunch sales	2,794	(x)	10	2,784	(x)	.4	(x)	12
Higher education	19,060	-	16,960	2,100	-	2.4	-	7
Natural resources	15,844	14,705	807	331	1.7	.1	61	5
Hospitals	22,954	124	6,300	16,530	(z)	2.9	1	9
Sewerage and sanitation	10,809	(x)	2	10,807	(x)	1.4	(x)	45
Parks and recreation	2,264	61	519	1,684	(z)	.3	(z)	9
Housing and community development	5,597	3,395	228	1,974	.4	.3	14	9
Air transportation	3,522	68	306	3,148	(z)	.4	(z)	14
Water transport and terminals	1,757	527	324	906	.1	.2	2	5
Special assessments	2,163	(x)	142	2,021	(x)	.3	(x)	9
Sale of property	3,783	2,697	137	949	.3	.1	11	5
Interest earnings	49,833	13,931	17,745	18,156	1.6	4.6	58	14
Utility revenue	43,850	(x)	2,907	40,943	(x)	5.6	(x)	182
Liquor stores	3,313	(x)	2,807	506	(x)	.4	(x)	14
Insurance trust revenue	361,528	266,905	81,984	12,639	31.5	12.1	1,107	39
Expenditure	**[2] 1,696,208**	**1,096,401**	**424,216**	**[2] 427,980**	**100.0**	**100.0**	**4,548**	**2,97**
Intergovernment expenditure	(2)	115,632	131,966	4,791	10.5	.3	480	9
General revenue sharing	(2)	5,113	(x)	(x)	.5	(x)	21	(x
Direct expenditure	1,696,208	980,769	292,249	423,190	89.5	99.7	4,066	2,96
General expenditure	1,284,261	680,577	244,553	359,131	62.1	84.1	2,823	2,504
Percent of total expenditure	75.7	62.1	57.6	83.9	(x)	(x)	(x)	(x
Education [3]	224,400	13,581	58,260	152,559	1.2	29.4	56	874
Elementary and secondary education	145,111	-	1,159	143,952	-	20.2	-	60
Higher education	56,535	-	47,928	8,607	-	7.9	-	234
Public welfare	99,665	25,790	56,256	17,618	2.4	10.3	107	30
Health and hospitals	68,706	15,093	25,471	28,142	1.4	7.5	63	222
Highways	49,936	568	30,191	19,177	.1	6.9	2	20
Police protection	26,228	3,543	3,328	19,357	.3	3.2	15	94
Fire protection	9,587	(x)	(x)	9,587	(x)	1.3	(x)	40
Corrections	15,755	798	9,855	5,102	.1	2.1	3	62
Natural resources [4]	79,313	60,075	8,631	10,607	5.5	2.7	249	8
Sewerage and sanitation	19,142	(x)	341	18,801	(x)	2.7	(x)	7
Housing and community development	19,210	7,925	1,189	10,096	.7	1.6	33	47
Governmental administration	40,422	8,619	12,222	19,581	.8	4.4	36	132
Interest on general debt	181,231	144,167	16,876	20,188	13.1	5.2	598	154
Other	450,667	400,418	21,932	28,316	36.5	7.0	1,661	208
Utility expenditure	62,430	(x)	5,530	56,900	(x)	8.7	(x)	25
Liquor stores expenditure	2,867	(x)	2,418	449	(x)	.4	(x)	12
Insurance trust expenditure	346,651	300,192	39,749	6,710	27.4	6.5	1,245	19
By character and object:								
Current operation	897,954	386,388	186,188	325,378	35.2	71.3	1,603	2,122
Capital outlay	176,104	85,647	34,550	55,907	7.8	12.6	355	375
Construction	79,837	11,866	26,557	41,414	1.1	9.5	49	28
Equip., land and existing structures	96,266	73,781	7,993	14,493	6.7	3.1	306	9
Assistance and subsidies	86,963	64,375	14,162	8,426	5.9	3.1	267	94
Interest on debt (general and utility)	188,537	144,167	17,601	26,769	13.1	6.2	598	184
Insurance benefits and repayments	346,651	300,192	39,749	6,710	27.4	6.5	1,245	19
Expenditure for salaries and wages	379,676	123,054	76,096	180,526	11.2	35.8	510	1,06

- Represents or rounds to zero. X Not applicable. Z Less than .05 percent or $.50. [1] Based on estimated resid population as of July 1. [2] Aggregates exclude duplicative transactions between levels of government; see source. [3] Inclu amounts not shown seperately. [4] Includes parks and recreation.

Source: U.S. Bureau of the Census, *Government Finances, 1985-86,* series GF 86, No. 5.

No. 448. All Governments—Expenditure for Capital Outlay, by Level of Government and by Function: 1970 to 1986

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Except for 1982, local government data are estimates subject to sampling variation; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 523-524, Y 673-674, Y 740-741, and Y 787-788]

LEVEL AND FUNCTION	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total	**47,519**	**66,622**	**93,156**	**99,386**	**116,499**	**129,637**	**148,478**	**143,107**	**156,915**	**176,104**
Federal Government:										
Total	**17,869**	**21,798**	**39,960**	**36,492**	**48,903**	**62,835**	**80,744**	**72,456**	**77,014**	**85,647**
Annual percent change [1]	−6.0	4.1	10.1	−8.7	34.0	28.5	28.5	−10.3	6.3	11.2
As percent of direct expenditure	9.7	7.5	8.8	6.9	7.8	8.8	10.3	8.7	8.3	8.7
By function:										
National defense [2]	14,027	14,507	29,502	28,161	39,441	52,958	69,697	60,382	64,154	71,995
Education	9	2	63	97	1	19	26	58	39	5
Highways	9	70	126	132	115	84	153	187	121	204
Health and hospitals	166	311	579	673	606	827	1,146	1,016	916	1,160
Natural resources	1,891	3,416	5,986	4,046	5,097	4,963	4,500	4,435	4,002	3,651
Housing [3]	853	1,059	345	317	376	613	1,080	1,471	1,935	2,515
Air transportation	234	363	238	151	285	115	283	249	785	391
Water transportation [4]	285	251	557	1,003	858	780	634	482	563	245
All other	595	1,819	2,564	1,912	2,124	2,476	3,225	4,176	4,389	5,481
State and local governments:										
Total	**29,650**	**44,824**	**53,196**	**62,894**	**67,596**	**66,802**	**67,734**	**70,651**	**79,901**	**90,457**
Annual percent change [1]	5.0	8.6	18.8	18.2	7.5	−1.2	1.4	4.3	13.1	13.2
As percent of direct expenditure	20.0	16.7	14.0	14.5	13.9	12.8	12.0	11.8	12.2	12.6
By function:										
Education [5]	7,621	9,861	9,505	10,737	11,327	10,855	10,880	11,596	13,477	15,490
Higher education	2,705	2,834	2,781	2,972	3,474	3,696	3,403	3,855	4,629	5,217
Elementary and secondary	4,658	6,532	6,370	7,362	7,441	6,864	7,200	7,258	8,358	10,009
Highways	10,762	13,646	15,567	19,133	19,334	18,178	18,627	20,269	23,900	26,807
Health and hospitals	790	1,761	1,984	2,443	2,559	2,503	2,460	2,380	2,712	2,817
Natural resources	789	1,113	720	1,052	1,017	1,072	1,311	1,414	1,736	1,803
Housing [3]	1,319	1,821	1,685	2,248	2,689	3,259	2,921	3,104	3,217	3,516
Air transportation	691	852	966	1,391	1,438	1,374	1,406	1,814	1,875	2,183
Water transportation [4]	258	419	559	623	878	696	716	585	717	911
Sewerage	1,385	3,569	5,619	6,272	6,911	5,922	5,806	5,664	5,926	6,461
Parks and recreation [6]	684	1,261	1,791	2,023	2,072	2,029	2,100	1,962	2,196	2,554
Utilities [6]	2,437	4,846	8,357	9,933	11,562	12,484	12,870	12,599	13,435	15,340
Water	1,201	2,111	2,701	3,335	3,784	3,689	3,821	3,438	4,160	5,134
Electric	820	1,485	3,943	4,572	4,980	5,603	5,292	5,153	5,247	6,127
Transit	368	1,203	1,618	1,921	2,617	3,072	3,615	3,873	3,830	3,830
Gas	50	48	96	105	181	120	143	135	198	250
Other	2,915	5,656	6,443	7,036	7,809	8,427	8,634	9,265	10,711	12,573

[1] Change from immediate prior year. [2] Includes international relations and U.S. service schools. [3] Includes community development. [4] Includes terminals. [5] Includes other education. [6] Beginning 1979, includes outlays by State governments.

Source: U.S. Bureau of the Census, *Census of Governments: 1977* and *1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment;* and *Government Finances*, series GF No. 5, annual.

No. 449. State and Local Government Receipts and Expenditures in the National Income and Product Accounts: 1970 to 1987

[In billions of dollars. For explanation of national income, see text, p. 417]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Receipts	**135.6**	**239.6**	**390.0**	**425.6**	**449.4**	**487.7**	**540.5**	**581.8**	**623.0**	**655.7**
General, own source	102.1	168.2	271.6	305.2	329.7	363.0	406.7	438.9	470.2	504.9
Personal tax and nontax receipts [1]	23.6	44.7	82.6	94.5	104.9	116.1	129.8	140.2	150.0	164.7
Income taxes	10.9	22.5	42.6	47.9	51.9	58.3	67.6	72.2	76.8	86.1
Nontaxes	8.3	16.3	31.5	37.5	43.2	47.4	51.3	56.2	60.4	64.8
Corporate profits tax accruals	3.7	7.3	14.5	15.4	14.0	15.9	18.7	20.2	22.7	27.9
Indirect business tax and nontax accruals [1]	74.8	116.2	174.5	195.3	210.8	231.0	258.2	278.5	297.6	312.3
Sales taxes	31.6	51.7	82.9	90.7	96.2	106.6	120.8	131.0	139.9	148.7
Property taxes	36.7	53.4	68.8	77.1	85.3	91.9	99.7	107.1	114.6	121.9
Contributions for social insurance	9.2	16.8	29.7	32.5	35.8	38.5	40.2	43.2	46.0	48.1
Federal grants-in-aid	24.4	54.6	88.7	87.9	83.9	86.2	93.6	99.7	106.8	102.7
Expenditures [2]	**134.0**	**235.2**	**363.2**	**391.4**	**414.3**	**440.2**	**475.9**	**516.7**	**561.9**	**602.8**
Purchases of goods and services [1]	119.4	205.9	322.2	345.9	369.0	391.5	425.3	465.6	505.0	542.8
Compensation of employees	71.1	121.1	192.2	209.3	226.9	241.7	258.5	278.8	299.9	321.7
Transfer payments to persons	20.1	38.9	65.7	73.6	79.9	86.5	93.7	101.1	110.1	118.7
Net interest paid [3]	−1.8	−4.2	−17.0	−20.1	−24.4	−26.2	−28.4	−32.4	−34.8	−37.7
Less: Dividends received	.2	.9	1.9	2.3	2.9	2.8	3.5	4.5	5.5	6.9
Subsidies [4]	−3.8	−4.5	−5.8	−5.6	−7.3	−8.8	−11.3	−13.1	−13.1	−14.0
Surplus	**1.8**	**4.5**	**26.8**	**34.1**	**35.1**	**47.5**	**64.6**	**65.1**	**61.2**	**52.9**
Social insurance funds	6.9	13.1	27.1	30.0	36.9	43.1	44.8	51.3	56.2	62.1
Other	−5.1	−8.6	−.3	4.1	−1.7	4.4	19.8	13.8	5.0	−9.2

[1] Includes other items not shown separately. [2] Includes wage accruals less disbursements of −$40 million in 1980, not shown separately. [3] Interest paid less interest received. [4] Less current surplus of government enterprises.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–1982*, and *Survey of Current Business*, July issues.

No. 450. Federal Grants-in-Aid—Summary: 1965 to 1989

[For fiscal year ending in year shown; see text, section 9. Minus sign (–) indicates decrease]

YEAR	CURRENT DOLLARS							CONSTANT (1982) DOLLARS	
	Total grants (bil. dol.)	Average annual percent change [1]	Grants to individuals		Grants as percent of—			Total grants (bil. dol.)	Average annual percent change [1]
			Total (bil. dol.)	Percent of total grants	State-local govt. outlays [2]	Federal outlays	Gross national product		
1965	10.9	7.9	3.7	33.9	15.1	9.2	1.6	35.4	7.5
1970	24.0	17.2	8.6	35.8	19.0	12.3	2.4	61.2	11.6
1975	49.8	15.7	16.4	33.0	22.6	15.0	3.3	87.1	7.3
1978	77.9	16.1	24.2	31.0	26.5	17.0	3.6	109.7	8.0
1979	82.9	6.4	26.9	32.4	25.8	16.5	3.4	106.7	–2.7
1980	91.5	10.4	31.9	34.9	25.8	15.5	3.4	105.9	–.7
1981	94.8	3.6	36.9	39.0	24.7	14.0	3.2	100.7	–4.9
1982	88.2	–7.0	37.9	42.9	21.6	11.8	2.8	88.2	–12.4
1983	92.5	4.9	41.6	45.0	21.3	11.4	2.8	88.8	.7
1984	97.6	5.5	44.3	45.4	20.9	11.5	2.6	90.2	1.6
1985	105.9	8.5	48.1	45.4	20.9	11.2	2.7	93.9	4.1
1986	112.4	6.1	52.8	47.0	20.5	11.3	2.7	96.7	3.0
1987	108.4	–3.6	56.4	52.0	18.2	10.8	2.5	90.6	–6.3
1988, est	116.7	7.7	61.0	52.3	18.1	11.0	2.5	93.8	3.5
1989, est	119.0	2.0	63.8	53.6	17.1	10.9	2.4	92.2	–1.7

[1] Average annual percent change from prior year shown. For explanation, see Guide to Tabular Presentation. 1965, change from 1960. [2] Outlays as defined in the national income and product accounts.

Source: Advisory Commission on Intergovernmental Relations, Washington, DC, *Significant Features of Fiscal Federalism, 198 Edition*, vol. II, based on *Budget of the United States Government*, FY 89, Special Analysis H.

No. 451. Federal Aid to State and Local Governments: 1970 to 1988

[In millions of dollars. For fiscal year ending in year shown; see text, section 9. Includes trust funds. Minus sign (–) indicates previously disbursed funds returned to the Federal Government. See *Historical Statistics, Colonial Times to 1970*, series Y 638-651, for related data]

TYPE OF AID, FUNCTION, AND MAJOR PROGRAM	1970	1975	1980	1983	1984	1985	1986	1987	1988, est.
Grant-in-aid shared revenue	[1] 24,065	49,791	91,451	92,495	97,577	105,897	112,357	108,392	[illegible]
National defense	37	74	93	86	95	157	177	193	210
Natural resources and environment	411	2,437	5,363	4,018	3,779	4,069	4,255	4,073	[illegible]
Environmental Protection Agency	194	2,025	4,603	3,266	2,922	3,197	3,419	3,251	[illegible]
Energy	25	43	499	482	534	529	538	455	414
Agriculture	604	404	569	1,822	1,832	2,420	1,932	2,092	[illegible]
Transportation [2]	4,599	5,864	13,087	13,248	15,013	17,055	18,366	16,919	[illegible]
Airports	83	292	590	453	694	789	853	917	[illegible]
Highways	4,395	4,702	9,209	8,696	10,522	12,841	14,109	12,649	[illegible]
Railroads	-	(Z)	54	182	34	35	22	22	[illegible]
Urban mass transit	105	689	3,129	3,658	3,716	3,304	3,299	3,253	[illegible]
Commerce and housing credit	4	2	3	62	2	2	2	1	2
Community and regional development [2]	1,780	2,842	6,486	4,962	5,157	5,221	4,861	4,235	[illegible]
Appalachian development	184	306	335	262	209	198	154	141	123
Community development block grants	(X)	38	3,902	3,554	3,819	3,817	3,326	2,967	[illegible]
Urban renewal	1,054	1,374	214	38	24	28	13	-	-
Education, employment, training, social services [2]	6,417	12,133	21,862	16,125	16,669	17,817	18,953	18,657	[illegible]
Compensatory education for the disadvantaged [3]	1,470	2,184	3,370	2,629	3,067	4,194	3,392	3,199	[illegible]
School improvement programs [3]	86	332	523	509	570	479	576	785	[illegible]
Bilingual immigrant and refugee education [3]	-	93	166	108	112	111	98	103	131
Federally affected areas impact aid	622	577	622	548	567	629	678	695	[illegible]
Vocational and adult education	285	653	854	705	719	633	1,008	1,225	[illegible]
Library and learning resources	105	210	158	124	80	79	98	122	[illegible]
Work incentives	61	304	383	281	259	274	227	137	[illegible]
Social services—block grants to States	574	2,047	2,763	2,508	2,789	2,743	2,671	2,688	[illegible]
Human development	390	803	1,548	1,685	1,717	1,807	1,831	1,771	[illegible]
Employment and training assistance	954	2,504	6,191	3,187	2,555	2,775	3,019	2,929	[illegible]
Temporary employment assistance	(X)	372	1,797	46	–15	–18	-	-	-
Health [2]	3,849	8,810	15,758	20,224	21,837	24,451	26,823	29,466	[illegible]
Alcohol, drug abuse, and mental health [4]	146	590	679	506	501	501	494	622	714
Medicaid [4]	2,727	6,840	13,957	18,985	20,061	22,655	24,996	27,435	[illegible]
Income security [2]	5,795	9,352	18,495	24,756	25,678	27,153	29,070	28,872	[illegible]
Assistance payment program [4]	4,142	5,121	7,273	8,341	8,799	9,169	9,877	10,540	[illegible]
Food stamps—administration	559	136	413	629	732	886	968	1,108	[illegible]
Child nutrition and special milk programs [4]	379	1,565	3,388	3,115	3,361	3,480	3,678	3,922	[illegible]
Housing assistance [4]	436	1,326	3,435	5,695	5,750	6,407	7,418	7,375	[illegible]
Veterans benefits and services	18	33	90	66	66	91	90	85	[illegible]
Administration of justice	42	725	529	101	69	95	133	234	[illegible]
General government [5]	479	7,072	8,616	6,541	6,848	6,838	7,159	2,000	[illegible]
General revenue sharing	(X)	6,130	6,829	4,614	4,567	4,584	5,114	76	-

- Represents zero. X Not applicable. Z Less than $500,000. [1] Includes $5 million for international affairs subsequently provided to a private institution. [2] Includes items not shown separately. [3] The 1983 Budget proposed dismantlement of the Dept. of Education (DED). Budget data for elementary and secondary education previously performed by DED are included in the Foundation for Education Assistance under compensatory education for the disadvantaged, school improvement (formerly titled "Special programs and populations") programs and bilingual immigrant and refugee education. [4] Includes grants for payments to individuals. [5] Includes general purpose fiscal assistance.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, 198

No. 452. Federal Aid to State and Local Governments—Selected Programs, by State: 1987

[In millions of dollars, except per capita. For fiscal year ending Sept. 30]

DIVISION AND STATE	FEDERAL AID [1]		OE [3] compensatory education [4]	EPA [5] waste treatment facilities construction	HHS [6]		HUD [8]		ETA [10] employment/ training	DEPARTMENT OF—	
	Total	Per capita [2] (dol.)			Family support administration [7]	Medicaid	Lower income housing assistance [9]	Community development		Transportation, highway trust fund	Treasury, general revenue sharing
Total [11]	107,962	437	3,199	2,913	13,320	27,317	7,352	2,967	3,009	12,609	77
N.E.	6,414	499	180	211	862	1,872	599	156	135	602	5
ME	689	580	15	25	118	214	53	13	13	59	-
NH	380	368	8	28	22	85	26	9	8	63	-
VT	314	573	8	10	43	73	18	3	7	54	-
MA	2,983	510	79	86	390	954	315	94	64	120	3
RI	550	558	13	15	88	168	60	14	12	66	-
CT	1,489	464	36	47	221	378	129	24	31	240	1
M.A.	20,530	548	650	618	2,836	6,949	1,690	539	451	1,492	13
NY	11,932	669	360	412	1,590	4,738	941	259	211	848	7
NJ	3,327	434	114	102	562	801	365	99	88	248	2
PA	5,271	442	176	105	684	1,410	385	180	152	507	4
E.N.C.	17,186	410	524	646	2,700	4,717	1,186	517	620	1,493	12
OH	4,382	406	124	217	622	1,362	352	135	158	285	3
IN	1,982	358	53	98	155	585	117	51	81	232	1
IL	4,468	386	160	137	620	924	428	170	161	421	3
MI	4,199	456	134	124	845	1,151	189	107	162	408	3
WI	2,155	448	52	70	456	686	99	54	58	147	2
W.N.C.	7,368	418	187	241	895	1,745	439	213	180	1,096	5
MN	2,037	480	42	66	280	611	123	53	44	268	1
IA	1,090	385	30	36	149	265	39	29	30	162	1
MO	1,926	377	55	87	249	408	126	70	57	251	1
ND	419	623	8	7	30	89	31	7	9	72	-
SD	440	621	10	8	29	80	44	11	10	71	-
NE	607	381	18	15	65	137	36	16	12	91	1
KS	848	342	24	23	84	156	41	27	19	180	1
S.A.	15,870	381	554	411	1,582	3,483	1,045	411	432	2,177	11
DE	301	468	10	18	24	49	27	6	7	47	-
MD	2,002	441	59	86	269	309	180	32	40	365	1
DC	1,515	2,435	15	16	64	187	69	22	17	54	-
VA	1,905	323	66	58	164	377	143	55	51	387	2
WV	1,028	542	32	56	105	203	80	29	28	187	1
NC	2,171	339	81	36	267	597	146	56	77	211	2
SC	1,280	374	53	37	146	334	67	28	41	145	1
GA	2,512	404	82	37	220	621	169	63	57	352	2
FL	3,155	262	145	66	304	716	202	119	105	428	3
E.S.C.	6,552	429	268	143	439	1,707	443	166	228	749	5
KY	1,702	457	61	41	144	464	111	36	57	197	2
TN	2,018	416	73	44	111	622	141	45	65	233	1
AL	1,559	382	70	30	85	310	128	46	68	188	1
MS	1,274	485	64	29	120	311	63	39	37	132	1
W.S.C.	9,097	338	395	216	586	2,344	605	310	260	1,083	9
AR	1,009	422	41	24	60	317	59	27	32	112	1
LA	1,919	430	85	25	151	576	121	57	57	237	1
OK	1,317	403	35	28	102	343	103	33	32	155	1
TX	4,853	289	234	139	273	1,108	322	193	140	579	6
Mt.	5,678	431	137	92	386	842	380	123	154	1,063	4
MT	540	667	11	9	40	101	31	7	13	102	-
ID	392	392	10	7	32	67	13	10	13	70	-
WY	449	916	4	7	18	24	10	3	7	82	-
CO	1,152	350	32	19	106	204	70	29	28	203	-
NM	779	519	27	7	58	144	55	14	19	95	1
AZ	1,188	351	34	13	46	97	138	36	49	287	1
UT	784	467	12	13	67	159	18	18	14	156	1
NV	394	391	6	16	18	46	35	6	11	79	-
Pac.	15,311	419	417	296	2,915	3,576	799	438	448	1,448	11
WA	1,978	436	44	41	283	450	83	44	62	325	1
OR	1,243	456	29	19	129	201	58	26	40	151	1
CA	11,006	398	328	195	2,418	2,773	589	342	324	794	8
AK	624	1,188	6	22	41	57	43	6	12	140	1
HI	460	424	11	18	46	96	26	20	12	39	-
Outlying areas	2,626	736	111	32	99	81	186	91	98	70	-

- Represents zero. [1] Includes other amounts not shown separately. [2] Based on Bureau of the Census estimated resident population as of July 1. [3] Office of Education. [4] For the disadvantaged. [5] Environmental Protection Agency. [6] Department of Health and Human Services. [7] Includes work incentives, family support payments (Aid to Families with Dependent Children), community service block grant, low income home energy assistance, and refugee assistance. [8] Department of Housing and Urban Development. [9] Includes public housing, housing payments (section 8) to public agencies, and college housing, and operating assistance for low rent housing. [10] Employment and Training Administration, Job Training Partnership Act. [11] Includes $1,331 million undistributed by State (programs shown here which are affected are compensatory education ($–204 million), waste treatment facilities construction ($6 million), community development ($4 million), employment/training ($1 million), and highway trust fund ($1,348 million)).

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

No. 453. State and Local Governments—Summary of Finances: 1980 to 1986

[For fiscal year ending in year shown, see text, section 9. Local government amounts included here are estimates subject to sampling variations; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 652-708]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	TOTAL (mil. dol.)			PER CAPITA (dol.) [1]			PERCENT DISTRIBUTION		
	1980	1985	1986	1980	1985	1986	1980	1985	198
Revenue [2]	**451,537**	**730,082**	**783,244**	**1,993**	**3,016**	**3,249**	**100.0**	**100.0**	**100.0**
From Federal Government	**83,029**	**106,158**	**113,099**	**366**	**445**	**469**	**18.4**	**14.7**	**14.4**
Public welfare	24,921	39,061	42,194	110	164	175	5.5	5.4	5.4
Highways	8,980	12,893	14,142	40	54	59	2.0	1.8	1.8
Education	14,435	16,758	18,040	64	70	75	3.2	2.3	2.3
Employment security administration	2,756	2,805	2,801	9	11	12	.6	.4	.4
Revenue sharing	6,844	4,556	4,424	30	19	18	1.5	.6	.6
Other and unallocable	25,793	30,164	31,498	114	126	131	5.7	4.2	4.0
From State and local sources	**368,509**	**613,904**	**670,145**	**1,627**	**2,571**	**2,780**	**81.6**	**85.3**	**85.6**
General, net intergovernmental	299,293	491,963	528,359	1,321	2,061	2,191	66.3	68.3	67.3
Taxes	223,463	350,387	373,051	986	1,468	1,547	49.5	48.7	47.6
Property	68,499	103,757	111,711	302	435	463	15.2	14.4	14.3
Sales and gross receipts	79,927	126,376	134,971	353	529	560	17.7	17.8	17.2
Individual income	42,080	70,361	74,417	186	295	309	9.3	9.6	9.5
Corporation income	13,321	19,152	19,851	59	80	83	3.0	2.7	2.5
Other	19,636	30,721	32,001	87	129	133	4.3	4.3	4.1
Charges and miscellaneous	75,830	141,596	155,308	335	593	644	16.8	19.7	19.8
Utility and liquor stores	25,560	44,772	47,163	113	188	196	5.7	6.2	6.0
Water supply system	6,766	11,880	13,260	30	50	55	1.5	1.7	1.7
Electric power system	11,387	21,767	22,046	50	91	95	2.5	3.0	2.8
Transit system	2,397	4,216	4,453	11	18	18	.5	.6	.6
Gas supply system	1,809	3,573	3,291	8	15	14	.4	.5	.4
Liquor stores	3,201	3,235	3,313	14	14	14	.7	.4	.4
Insurance trust revenue [3]	43,656	77,170	94,823	193	323	392	9.7	10.7	12.1
Employee retirement	25,441	53,212	69,365	112	223	288	5.6	7.4	8.9
Unemployment compensation	13,529	17,640	18,267	60	74	76	3.0	2.4	2.3
Direct expenditure	**432,328**	**668,022**	**715,439**	**1,908**	**2,748**	**2,967**	**100.0**	**100.0**	**100.0**
By function:									
Direct general expenditure [3]	367,340	562,033	603,664	1,621	2,312	2,504	85.0	84.1	84.4
Education [3]	133,211	192,686	210,819	588	807	874	30.8	28.4	29.5
Higher education	33,919	52,316	56,535	150	219	234	7.8	8.0	7.9
Local schools	92,930	131,987	145,111	410	553	602	21.5	20.1	20.3
Highways	33,311	44,989	49,368	147	188	205	7.7	6.9	6.9
Public welfare	45,552	69,529	73,875	201	291	306	10.5	10.6	10.3
Health	8,387	13,711	15,550	37	57	64	1.9	2.1	2.2
Hospitals	23,787	35,987	38,063	105	151	158	5.5	5.5	5.3
Police protection	13,494	20,956	22,685	60	88	94	3.1	3.2	3.2
Fire protection	5,718	8,917	9,587	25	37	40	1.3	1.4	1.3
Natural resources	5,509	8,357	9,074	24	35	38	1.3	1.3	1.3
Sanitation and sewerage	13,214	17,398	19,142	58	73	79	3.1	2.7	2.7
Housing and urban renewal	6,062	10,378	11,295	27	43	47	1.4	1.6	1.6
Parks and recreation	6,520	9,180	10,164	29	38	42	1.5	1.4	1.4
Financial administration	6,719	10,471	11,897	30	44	49	1.6	1.6	1.7
General control	8,697	14,314	15,800	38	60	66	2.0	2.2	2.2
Interest on general debt [4]	14,747	32,427	37,064	65	136	154	3.4	4.9	5.2
Utility and liquor stores [4]	36,191	59,798	65,297	160	250	271	8.4	9.1	9.1
Water supply system	9,228	14,298	16,196	41	60	67	2.1	2.2	2.3
Electric power system	15,016	25,341	28,182	66	106	117	3.5	3.9	3.9
Transit system	7,641	13,908	14,761	34	58	61	1.8	2.1	2.1
Gas supply system	1,715	3,468	3,291	8	15	14	.4	.5	.5
Liquor stores	2,591	2,823	2,867	11	12	12	.6	.4	.4
Insurance trust expenditure [3]	28,797	44,191	46,459	127	185	193	6.7	6.7	6.5
Employee retirement	14,008	24,414	26,521	62	102	110	3.2	3.7	3.7
Unemployment compensation	12,070	14,995	14,887	53	63	62	2.8	2.3	2.1
By character and object:									
Current operation	307,811	472,406	511,566	1,359	1,979	2,122	71.2	72.0	71.5
Capital outlay	62,894	79,801	90,457	278	335	375	14.5	12.2	12.6
Construction	51,492	60,656	67,971	227	254	282	11.9	9.2	9.5
Equipment, land and existing structures	11,402	19,245	22,485	50	81	93	2.6	2.9	3.1
Assistance and subsidies	15,222	20,707	22,566	67	87	94	3.5	3.2	3.2
Interest on debt (general and utility)	17,604	38,817	44,370	78	163	184	4.1	5.8	6.2
Insurance benefits and repayments	28,797	44,191	46,459	127	185	193	6.7	6.7	6.5
Expenditure for salaries and wages	*163,896*	*236,621*	*256,622*	*723*	*992*	*1,064*	*37.9*	*36.1*	*35.8*
Debt outstanding, end of year	**335,603**	**568,633**	**658,875**	**1,481**	**2,382**	**2,733**	**100.0**	**100.0**	**100.0**
Long-term	322,456	549,050	640,550	1,423	2,300	2,657	96.1	96.6	97.2
Short-term	13,147	19,583	18,325	58	82	76	3.9	3.4	2.8
Long-term debt:									
Issued	42,364	101,164	162,045	187	424	672	12.6	17.8	24.6
Retired	17,404	43,521	74,380	77	182	308	5.2	7.7	11.3

[1] Based on estimated resident population as of July 1; except 1980 based on enumerated resident population as of April 1, 1980. [2] Aggregates exclude duplicative transactions between State and local governments; see source. [3] Includes amounts not shown separately. [4] Interest on utility debt included in "utility expenditure." For total interest on debt, see "Interest on debt (general and utility)," below.

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC 82(6)-4) and *Government Finances*, series GF, No. 5, annual.

No. 454. New Issues of Long-Term State and Local Government Securities: 1970 to 1987

[In billions of dollars. Beginning 1982, includes outlying areas]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
All issues, new capital and refunding	18.2	30.6	48.5	47.7	79.0	85.1	108.0	222.2	151.2	105.7
General obligations	11.9	16.0	14.1	12.4	21.1	21.5	26.7	54.1	42.7	30.8
Revenue	6.1	14.5	34.3	35.3	58.0	63.6	81.3	168.1	108.5	74.9
Type of issuer:										
State	4.2	7.4	5.3	5.3	10.3	9.2	9.1	13.1	14.7	10.0
Special district and statutory authority	5.6	12.4	27.0	27.5	43.3	48.6	64.5	138.6	85.1	61.3
Municipalities, counties, townships[1]	8.4	10.7	16.1	14.9	25.4	27.3	34.3	70.6	51.4	34.4
Issues for new capital, total	18.1	29.5	46.7	46.5	74.8	71.1	95.2	160.0	80.8	55.5
Use of proceeds:										
Education	5.0	4.7	4.6	4.6	6.5	8.2	7.9	16.6	11.4	9.1
Transportation	3.2	2.2	2.6	3.4	6.3	4.4	7.8	12.1	7.8	3.8
Roads, bridges	1.5	1.3	1.1	.9	1.7	1.3	2.0	4.7	4.2	1.3
Utilities and conservation	3.5	5.5	8.0	10.2	14.3	13.5	18.0	27.0	13.1	9.5
Electric and gas	.9	1.9	3.4	6.3	7.1	6.3	6.8	10.9	5.1	1.9
Social welfare	1.2	3.9	19.4	12.1	25.6	25.4	29.4	63.3	12.5	10.6
Public housing	.5	1.2	15.5	5.9	14.9	17.4	19.3	37.2	8.7	8.9
Industrial aid	.1	.4	1.7	3.4	2.9	3.6	15.7	14.1	4.7	2.2
Other	6.1	12.8	10.4	12.8	19.2	16.0	16.6	26.9	31.3	20.3

[1] Includes school districts.

Source: Public Securities Association, New York, NY, *Statistical Yearbook of Municipal Finances*, periodic, and IDD/PSA Municipal Database.

No. 455. State and Local Governments—Indebtedness and Debt Transactions: 1970 to 1986

[In billions of dollars, except per capita. As of end of fiscal year; see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series Y 680, Y 747, and Y 794, for debt outstanding]

ITEM	DEBT OUTSTANDING						LONG-TERM		
	Total	Per capita[1] (dol.)	Long-term			Short-term	Net long-term	Debt issued	Debt retired
			Local schools[2]	Utilities[3]	All other				
1970: Total	143.6	704	31.5	19.6	80.3	12.2	121.7	12.8	7.0
State	42.0	206	3.0	(NA)	35.9	3.1	34.5	3.9	1.9
Local	101.6	498	28.6	19.6	44.4	9.1	87.3	8.9	5.1
1980: Total	335.6	1,482	32.3	55.2	235.0	13.1	262.9	42.4	17.4
State	122.0	540	3.8	4.6	111.5	2.1	79.8	16.4	5.7
Local	213.6	942	28.5	50.6	123.5	11.0	183.1	25.9	11.7
1985: Total	568.6	2,382	43.8	90.8	414.5	19.6	430.5	101.2	43.5
State	211.9	890	6.7	8.6	193.8	2.8	110.4	41.7	16.4
Local	356.7	1,494	37.1	82.2	220.6	16.8	320.1	59.5	27.2
1986: Total	658.9	2,733	47.4	104.8	488.3	18.3	496.9	162.0	74.4
State	247.7	1,030	7.8	10.0	228.4	1.5	129.1	64.0	26.4
Local	411.2	1,705	39.6	94.9	260.0	16.7	367.8	98.1	48.0

NA Not available. [1] 1970 and 1980 based on enumerated resident population as of April 1; 1985 and 1986 based on estimated resident population as of July 1. [2] Includes debt for education activities other than higher education. [3] Beginning 1980, data for State governments classified as "utility," rather than in "All other."

Source: U.S. Bureau of the Census, *Government Finances*, series GF, No. 5, annual, and unpublished data.

No. 456. State and Local Government Revenues from Alcoholic Beverages: 1985 and 1986

[In millions of dollars, except per capita. For fiscal or calendar year; see text, section 9]

STATE	REVENUE		Revenue per capita[2] (dol.)	STATE	REVENUE		Revenue per capita[2] (dol.)	STATE	REVENUE		Revenue per capita[2] (dol.)
	Total	Taxes[1]			Total	Taxes[1]			Total	Taxes[1]	
Total, 1985	7,070.4	6,106.3	30								
Total, 1986	**7,280.5**	**6,392.3**	**30**	KY	64.7	59.8	17	ND	17.1	14.9	25
AL	196.7	173.6	49	LA	130.7	126.9	29	OH	311.9	244.2	29
AK	15.0	13.3	28	ME	47.0	30.6	40	OK	77.2	70.2	23
AZ	112.2	107.6	34	MD	99.0	90.7	22	OR	65.4	10.6	24
AR	41.6	40.3	18	MA	106.9	99.8	18	PA	299.8	221.6	25
CA	554.4	523.2	21	MI	278.5	209.3	30	RI	28.5	27.1	29
CO	100.9	98.3	31	MN	177.6	159.8	42	SC	150.7	145.2	45
CT	116.8	110.3	37	MS	96.3	70.2	37	SD	24.1	20.6	34
DE	5.8	5.2	9	MO	97.4	92.8	19	TN	186.0	175.5	39
DC	39.6	37.6	63	MT	20.9	14.1	26	TX	529.2	498.3	32
FL	602.7	582.7	52	NE	32.1	29.2	20	UT	47.9	29.7	29
GA	290.5	265.1	48	NV	74.4	71.9	77	VT	20.1	17.6	37
HI	55.3	51.7	52	NH	44.7	11.3	44	VA	201.6	149.0	35
ID	28.4	20.2	28	NJ	158.5	145.4	21	WA	241.5	208.7	54
IL	329.9	308.6	29	NM	42.4	40.2	29	WV	42.0	26.8	22
IN	108.2	99.4	20	NY	486.1	448.0	27	WI	117.5	111.0	25
IA	80.4	40.9	28	NC	218.1	192.5	34	WY	15.0	10.8	30
KS	50.9	49.3	21								

[1] Excise and sales taxes. [2] Based on estimated resident population as of July 1.

Source: Distilled Spirits Council of the United States, Inc., Washington, DC, unpublished data.

No. 457. State and Local Governments—Revenue, Expenditure, and Debt

[In millions of dollars, except as indicated. For fiscal years ending in year shown; see text, section 9. Except for 1982, loca

YEAR, DIVISION, AND STATE	GENERAL REVENUE										
	Total[1]	Amount from—					Per capita[2] (dol.)				Per $1,000 personal income (dol.)
		Federal Government	Taxes			Current charges	Total		Taxes		
			Total	Property	Other		Amount	Rank	Total	Rank	
1970	130,756	21,857	86,795	34,054	52,741	14,873	643	(x)	427	(x)	176
1975	228,171	47,034	141,465	51,491	89,974	25,588	1,071	(x)	664	(x)	198
1980	382,322	83,029	223,463	68,499	154,964	44,373	1,688	(x)	987	(x)	198
1981	423,404	90,294	244,514	74,969	169,545	50,238	1,869	(x)	1,079	(x)	196
1982	457,654	87,282	266,390	82,067	184,322	56,920	2,020	(x)	1,176	(x)	190
1983	486,753	90,007	284,436	89,105	195,332	62,625	2,078	(x)	1,214	(x)	172
1984	542,730	96,935	320,194	96,457	223,737	69,022	2,295	(x)	1,354	(x)	175
1985	598,121	106,158	350,367	103,757	246,610	74,323	2,505	(x)	1,466	(x)	180
U.S., 1986	**641,458**	**113,099**	**373,051**	**111,711**	**261,340**	**80,400**	**2,661**	(x)	**1,547**	(x)	**182**
New England:											
Maine	2,864	692	1,660	561	1,099	263	2,444	32	1,416	25	191
New Hampshire	2,170	397	1,249	758	491	238	2,113	43	1,216	41	133
Vermont	1,438	330	803	301	502	161	2,658	23	1,484	21	198
Massachusetts	17,559	3,201	11,275	3,506	7,769	1,650	3,010	7	1,933	6	170
Rhode Island	2,713	587	1,494	609	885	251	2,783	17	1,532	18	191
Connecticut	9,377	1,364	6,210	2,331	3,879	667	2,937	11	1,945	5	150
Middle Atlantic:											
New York	70,061	12,274	45,129	13,293	31,836	6,314	3,937	4	2,536	4	230
New Jersey	22,514	3,430	14,231	5,766	8,465	2,228	2,953	10	1,866	7	159
Pennsylvania	29,117	5,656	17,342	4,617	12,725	2,707	2,448	31	1,458	22	172
East North Central:											
Ohio	25,844	4,706	15,183	4,241	10,942	3,407	2,405	33	1,413	26	173
Indiana	11,928	2,146	6,754	2,166	4,588	2,067	2,167	41	1,227	39	165
Illinois	28,606	5,114	17,866	6,225	11,641	2,754	2,477	28	1,547	17	159
Michigan	26,336	4,736	15,577	5,945	9,633	3,527	2,882	12	1,705	13	195
Wisconsin	13,425	2,366	8,279	2,870	5,408	1,821	2,807	14	1,731	10	202
West North Central:											
Minnesota	13,254	2,187	7,228	2,229	4,999	1,929	3,146	5	1,716	12	210
Iowa	7,070	1,176	4,041	1,551	2,490	1,197	2,481	27	1,418	24	186
Missouri	10,235	1,896	5,835	1,233	4,602	1,361	2,021	48	1,152	43	147
North Dakota	1,878	409	872	247	625	336	2,765	18	1,284	33	222
South Dakota	1,650	410	808	338	470	191	2,330	35	1,142	44	197
Nebraska	3,997	682	2,138	926	1,213	727	2,501	26	1,338	30	182
Kansas	6,070	922	3,430	1,311	2,120	826	2,467	29	1,394	28	168
South Atlantic:											
Delaware	1,951	333	1,052	141	911	318	3,082	6	1,661	14	205
Maryland	12,488	2,083	7,776	1,955	5,821	1,218	2,799	15	1,743	9	186
District of Columbia	3,450	1,346	1,717	484	1,233	176	5,520	2	2,748	2	294
Virginia	13,235	2,275	8,125	2,289	5,836	1,768	2,284	38	1,402	27	148
West Virginia	4,317	981	2,330	390	1,940	478	2,252	39	1,215	42	213
North Carolina	13,044	2,448	7,738	1,675	6,063	1,610	2,060	46	1,222	40	168
South Carolina	7,014	1,357	3,844	879	2,965	1,167	2,075	45	1,137	45	184
Georgia	14,470	2,679	7,815	2,009	5,806	2,747	2,372	34	1,281	35	176
Florida	25,729	3,485	14,868	4,794	10,073	4,132	2,200	40	1,271	36	150
East South Central:											
Kentucky	7,880	1,740	4,114	726	3,388	917	2,115	42	1,104	46	188
Tennessee	9,684	2,168	5,172	1,131	4,041	1,595	2,018	49	1,077	47	188
Alabama	8,559	1,785	4,140	479	3,661	1,701	2,113	44	1,022	49	186
Mississippi	5,325	1,314	2,533	580	1,953	985	2,029	47	965	51	209
West South Central:											
Arkansas	4,486	1,050	2,398	431	1,968	589	1,892	51	1,011	50	171
Louisiana	11,075	2,034	5,640	852	4,788	1,647	2,462	30	1,254	37	220
Oklahoma	7,651	1,262	4,243	773	3,470	1,190	2,314	36	1,263	34	188
Texas	38,197	5,502	21,546	8,619	12,926	5,125	2,289	37	1,291	32	170
Mountain:											
Montana	2,285	548	1,127	533	594	216	2,796	16	1,379	29	236
Idaho	1,989	448	1,057	300	757	301	1,985	50	1,055	48	177
Wyoming	2,736	491	1,332	595	738	270	5,396	3	2,628	3	422
Colorado	8,765	1,405	4,852	1,702	3,150	1,284	2,684	22	1,486	20	176
New Mexico	4,436	772	1,836	211	1,625	456	2,999	8	1,241	38	263
Arizona	8,280	1,032	4,896	1,399	3,498	926	2,525	25	1,493	19	185
Utah	4,292	927	2,150	610	1,540	539	2,580	24	1,292	31	235
Nevada	2,626	425	1,501	327	1,174	408	2,716	20	1,552	16	177
Pacific:											
Washington	11,987	2,050	7,092	1,971	5,121	1,672	2,686	21	1,589	15	179
Oregon	7,389	1,426	3,874	1,755	2,119	975	2,735	19	1,434	23	206
California	80,297	14,041	46,585	12,165	34,419	10,589	2,974	9	1,725	11	178
Alaska	6,657	480	2,397	579	1,818	409	12,513	1	4,505	1	701
Hawaii	3,060	532	1,896	334	1,562	369	2,873	13	1,780	8	193

X Not applicable. [1] Includes miscellaneous revenue, not shown separately. [2] Data for 1975 based on estimated resident population as of July 1; 1970 and 1980–1982 based on enumerated resident population as of April 1, 1970 and 1980, respectively; 1983–1986 based on estimated resident population as of July 1.

1970 TO 1986 AND BY STATE, 1986

government amounts included here are estimates subject to sampling variation; see source and Appendix III]

DEBT OUTSTANDING			DIRECT GENERAL EXPENDITURE								CAPITAL OUTLAY [4]		
Total	Per capita [2] (dol.)	Rank	Total	Per capita [2] (dol.)	Rank	Education	Highways	Public welfare	Health, hospitals	All other	Total	Per capita [2] (dol.)	YEAR, DIVISION, AND STATE
143,570	706	(x)	131,332	646	(x)	52,718	16,427	14,679	9,668	37,840	29,650	146	1970
221,224	1,038	(x)	229,747	1,077	(x)	87,858	22,528	27,191	18,846	73,324	44,824	211	1975
335,603	1,482	(x)	367,340	1,622	(x)	133,211	33,311	45,552	32,174	123,092	62,894	278	1980
363,892	1,606	(x)	405,576	1,790	(x)	145,784	34,603	52,248	36,101	136,840	67,596	295	1981
404,579	1,786	(x)	435,103	1,921	(x)	154,283	34,520	56,216	40,882	149,202	66,802	296	1982
454,501	1,940	(x)	464,752	1,984	(x)	163,876	36,655	59,157	43,750	161,314	67,734	289	1983
506,330	2,141	(x)	503,375	2,128	(x)	176,108	39,419	64,709	46,419	176,720	70,651	299	1984
568,633	2,382	(x)	552,033	2,312	(x)	192,686	44,989	69,523	49,678	195,157	79,901	335	1985
658,875	**2,733**	(x)	**603,684**	**2,504**	(x)	**210,819**	**49,368**	**73,875**	**53,613**	**216,009**	**90,457**	**376**	**U.S., 1986**
													New England:
2,389	2,039	40	2,704	2,307	31	955	283	474	130	861	282	241	Maine
2,912	2,836	25	2,079	2,024	42	725	239	239	115	760	234	228	New Hampshire
1,373	2,537	30	1,386	2,562	24	534	161	176	57	458	158	293	Vermont
17,787	3,049	21	15,812	2,710	12	4,617	829	2,784	1,481	6,101	2,028	348	Massachusetts
3,580	3,652	13	2,605	2,671	16	819	172	458	186	969	236	242	Rhode Island
9,857	3,087	19	8,236	2,579	20	2,377	698	1,101	582	3,479	974	305	Connecticut
													Middle Atlantic:
70,881	3,983	9	63,485	3,568	4	18,447	3,589	10,336	6,439	24,675	7,961	447	New York
26,815	3,517	14	21,314	2,795	8	6,985	1,780	2,467	1,273	8,809	2,710	355	New Jersey
31,351	2,636	27	25,957	2,182	38	9,170	2,354	4,074	1,471	8,888	2,825	238	Pennsylvania
													East North Central:
18,012	1,676	45	24,616	2,290	32	9,202	1,905	3,955	2,005	7,549	2,935	273	Ohio
7,251	1,318	50	10,984	1,996	43	4,500	892	1,276	1,098	3,218	1,422	258	Indiana
25,635	2,219	35	27,155	2,351	30	9,198	2,403	3,811	1,752	9,992	3,783	327	Illinois
17,805	1,948	43	25,360	2,775	10	9,445	1,581	4,093	2,541	7,699	2,222	243	Michigan
9,487	1,984	42	13,012	2,720	11	4,901	1,137	2,097	991	3,886	1,510	316	Wisconsin
													West North Central:
16,428	3,899	11	12,846	3,049	5	4,235	1,312	1,935	1,031	4,333	1,985	471	Minnesota
4,594	1,612	46	6,951	2,439	26	2,672	900	838	681	1,861	1,023	359	Iowa
7,701	1,521	48	9,698	1,915	49	3,569	1,023	1,013	1,065	3,028	1,509	298	Missouri
1,488	2,192	37	1,838	2,707	13	706	241	181	98	612	263	387	North Dakota
1,689	2,385	33	1,596	2,254	33	560	264	148	86	537	268	378	South Dakota
6,241	3,906	10	3,826	2,394	28	1,475	486	375	403	1,088	791	495	Nebraska
5,670	2,304	34	5,862	2,382	29	2,301	775	495	471	1,821	878	357	Kansas
													South Atlantic:
3,553	5,612	3	1,783	2,817	7	701	163	122	93	704	202	319	Delaware
13,823	3,099	18	11,514	2,581	19	3,890	1,072	1,300	471	4,781	1,974	443	Maryland
3,696	5,914	2	2,938	4,701	2	502	92	527	282	1,536	558	893	District of Columbia
10,153	1,752	44	12,803	2,209	35	5,102	1,354	1,010	1,145	4,193	1,863	321	Virginia
5,012	2,615	28	4,141	2,160	39	1,597	506	448	291	1,299	536	280	West Virginia
12,860	2,031	41	12,099	1,911	50	5,322	981	1,140	1,162	3,494	2,056	325	North Carolina
8,639	2,555	29	6,662	1,970	45	2,713	439	605	905	1,999	1,566	463	South Carolina
12,447	2,040	39	13,425	2,201	37	4,649	1,178	1,168	2,515	3,915	2,674	438	Georgia
31,858	2,707	26	24,790	2,120	41	8,214	1,899	1,830	2,674	10,174	5,312	454	Florida
													East South Central:
11,388	3,056	20	7,162	1,922	47	2,570	821	945	472	2,355	956	257	Kentucky
9,797	2,041	38	9,214	1,920	48	3,131	926	1,050	1,156	2,950	1,517	316	Tennessee
8,982	2,213	36	8,615	2,127	40	3,213	825	749	1,361	2,466	1,256	310	Alabama
3,521	1,342	49	5,136	1,957	46	1,857	594	519	784	1,382	627	239	Mississippi
													West South Central:
3,781	1,595	47	4,371	1,844	51	1,677	514	507	378	1,095	827	349	Arkansas
18,696	4,156	8	10,908	2,424	27	3,531	1,065	984	1,294	4,014	1,719	382	Louisiana
8,311	2,514	31	7,364	2,228	34	2,889	702	786	723	2,264	1,322	400	Oklahoma
47,704	2,858	24	36,760	2,203	36	15,453	3,830	2,345	3,177	11,955	8,295	497	Texas
													Mountain:
2,397	2,934	23	2,280	2,791	9	841	340	208	118	772	410	502	Montana
1,245	1,242	51	1,984	1,980	44	765	255	156	184	624	337	336	Idaho
2,318	4,572	5	2,267	4,472	3	845	356	103	235	728	546	1,076	Wyoming
9,639	2,951	22	8,388	2,568	22	3,101	804	816	661	3,006	1,494	458	Colorado
4,951	3,347	15	3,987	2,696	14	1,580	429	292	303	1,385	726	491	New Mexico
13,802	4,209	7	8,429	2,571	21	3,274	912	605	410	3,227	2,328	710	Arizona
8,770	5,271	4	4,133	2,484	25	1,749	414	356	291	1,324	1,180	709	Utah
3,039	3,143	17	2,564	2,652	18	745	279	146	177	1,218	471	487	Nevada
													Pacific:
18,985	4,254	6	11,447	2,565	23	4,179	970	1,243	861	4,195	2,052	460	Washington
10,439	3,863	12	7,210	2,669	17	2,652	552	577	417	3,013	893	331	Oregon
65,096	2,411	32	76,082	2,818	6	24,463	3,424	10,455	6,780	30,960	9,182	340	California
11,896	22,304	1	5,039	9,473	1	1,214	484	275	143	2,925	1,068	2,007	Alaska
3,400	3,193	16	2,866	2,691	15	806	147	283	196	1,434	515	483	Hawaii

[2] 1970 to 1982, based on personal income for the previous calendar year; beginning 1983 based on income for calendar year.
[4] Includes general functions, liquor stores, and utilities.

Source: U.S. Bureau of the Census, *Government Finances*, series GF, No. 5, annual.

No. 458. State Governments—Summary of Finances: 1980 to 1986

[For fiscal years; see text section 9. See also *Historical Statistics, Colonial Times to 1970*, series Y 710-782]

ITEM	TOTAL (mil. dol.)			PER CAPITA [1] (dol.)			PERCENT DISTRIBUTION		
	1980	1985	1986	1980	1985	1986	1980	1985	1986
Borrowing and revenue	**293,356**	**476,964**	**534,176**	**1,299**	**2,003**	**2,221**	**100.0**	**100.0**	**100.0**
Borrowing	16,394	37,547	53,002	73	158	220	5.6	7.9	9.9
Revenue	276,962	439,416	481,174	1,226	1,845	2,001	94.4	92.1	90.1
General revenue	233,592	365,835	393,476	1,034	1,536	1,636	79.6	76.7	73.7
Taxes	137,075	215,893	228,054	607	907	948	46.7	45.3	42.7
Sales and gross receipts	67,855	105,419	112,343	300	443	467	23.1	22.1	21.0
General	43,168	69,633	74,821	191	292	311	14.7	14.6	14.0
Motor fuels	9,722	13,344	14,067	43	56	59	3.3	2.8	2.6
Alcoholic beverages	2,478	3,031	3,062	11	13	13	.8	.6	.6
Tobacco products	3,738	4,382	4,449	17	18	19	1.3	.9	.8
Other	8,750	15,049	15,923	39	63	66	3.0	3.2	3.0
Licenses	8,690	13,766	14,904	38	58	62	3.0	2.9	2.8
Motor vehicles	4,936	7,163	7,679	22	30	32	1.7	1.5	1.4
Corporations in general	1,388	2,813	3,065	6	12	13	.5	.6	.6
Other	2,366	3,791	4,160	10	16	17	.8	.8	.8
Individual income	37,089	63,906	67,460	164	268	281	12.6	13.4	12.6
Corporation net income	13,321	17,631	18,363	59	74	76	4.5	3.7	3.4
Property	2,892	3,984	4,355	13	17	18	1.0	.8	.8
Other	7,227	11,184	10,620	32	47	44	2.5	2.3	2.0
Charges and miscellaneous	32,190	60,055	66,848	142	252	278	11.0	12.6	12.5
Intergovernmental revenue	64,326	89,887	98,574	285	377	410	21.9	18.8	18.5
From Federal Government	61,892	84,434	92,666	274	355	385	21.1	17.7	17.3
Public welfare	24,680	38,664	41,802	109	162	174	8.4	8.1	7.8
Education	12,765	15,307	16,523	57	64	69	4.4	3.2	3.1
Highways	8,860	12,702	13,855	39	53	58	3.0	2.7	2.6
Other	15,587	17,761	20,486	69	75	85	5.3	3.7	3.8
From local governments	2,434	5,453	5,906	11	23	25	.8	1.1	1.1
Utility revenue	1,304	2,921	2,907	6	12	12	.4	.6	.5
Liquor stores revenue	2,765	2,753	2,807	12	12	12	.9	.6	.5
Insurance trust revenue [2]	39,301	67,907	81,984	174	285	341	13.4	14.2	15.3
Employee retirement	21,146	43,993	56,820	94	185	236	7.2	9.2	10.6
Unemployment compensation	13,468	17,596	18,173	60	74	76	4.6	3.7	3.4
Expenditure and debt redemption	**263,494**	**402,802**	**440,914**	**1,166**	**1,692**	**1,834**	**100.0**	**100.0**	**100.0**
Debt redemption	5,682	12,060	16,699	25	51	69	2.2	3.0	3.8
Expenditure [3]	257,812	390,742	424,216	1,141	1,641	1,764	97.8	97.0	96.2
General expenditure	228,223	345,047	376,519	1,010	1,449	1,566	86.6	85.7	85.4
Education	87,939	128,604	140,189	389	540	583	33.4	31.9	31.8
Public welfare	44,219	67,264	72,554	196	282	302	16.8	16.7	16.5
Highways	25,044	33,154	36,661	111	139	152	9.5	8.2	8.3
Health and hospitals	17,855	27,595	30,131	79	116	125	6.8	6.8	6.8
State hospitals	11,015	15,802	16,962	49	66	71	4.2	3.9	3.8
Other hospitals and health	6,840	11,793	13,170	30	50	55	2.6	2.9	3.0
Corrections	4,449	9,171	10,771	20	39	45	1.7	2.3	2.4
Natural resources	4,346	6,756	7,312	19	28	30	1.6	1.7	1.7
General control	3,232	5,231	5,767	14	22	24	1.2	1.3	1.3
Financial administration	3,031	5,019	5,856	13	21	24	1.2	1.2	1.3
Police protection	2,263	3,518	3,714	10	15	15	.9	.9	.8
Employment security	2,001	2,582	2,697	9	11	11	.8	.6	.6
Housing and community development	601	1,540	1,872	3	6	8	.2	.4	.4
Misc. and unallocable	33,242	54,611	58,995	147	229	245	12.6	13.6	13.4
Utility expenditure	2,401	5,364	5,530	11	23	23	.9	1.3	1.3
Liquor stores expenditure	2,206	2,391	2,418	10	10	10	.8	.6	.5
Insurance trust expenditure [2]	24,981	37,940	39,749	111	159	165	9.5	9.4	9.0
Employee retirement	10,256	18,230	19,878	45	77	83	3.9	4.5	4.5
Unemployment compensation	12,006	14,928	14,821	53	63	62	4.6	3.7	3.4
By character and object:									
Intergovernmental expenditure	84,504	121,571	131,966	374	511	549	32.1	30.2	29.9
Direct expenditure	173,307	269,171	292,249	767	1,130	1,215	65.8	66.8	66.3
Current operation	108,131	172,124	186,188	479	723	774	41.0	42.7	42.2
Capital outlay	23,325	30,657	34,550	103	129	144	8.9	7.6	7.8
Construction	19,736	23,877	26,557	87	100	110	7.5	5.9	6.0
Land and existing structures	1,345	1,833	2,176	6	8	9	.5	.5	.5
Equipment	2,243	4,947	5,816	10	21	24	.9	1.2	1.3
Assistance and subsidies	9,818	12,842	14,162	43	54	59	3.7	3.2	3.2
Interest on debt	7,052	15,606	17,601	31	66	73	2.7	3.9	4.0
Insurance benefits and repayments	24,981	37,940	39,749	111	159	165	9.5	9.4	9.0
Debt outstanding, yearend	**121,958**	**211,917**	**247,715**	**540**	**890**	**1,030**	**100.0**	**100.0**	**100.0**
Long-term	119,821	209,125	246,109	530	878	1,023	98.2	98.7	99.4
Full-faith and credit	49,364	60,432	64,640	219	254	269	40.5	28.5	26.1
Nonguaranteed	70,457	148,693	181,469	312	624	755	57.8	70.2	73.3
Short-term	2,137	2,792	1,606	9	12	7	1.8	1.3	.6
Net long-term	79,810	110,361	129,119	353	463	537	65.4	52.1	52.1
Full-faith and credit only	39,357	47,894	50,212	174	201	209	32.3	22.6	20.3

[1] Based on estimated resident population as of July 1; except 1980 based on enumerated resident population as of April 1, 1980. [2] Includes other items not shown separately. [3] Intergovernmental and direct.

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC82(6)–4) and *State Government Finances*, series GF, No. 3, annual.

NO. 459. STATE GENERAL FUND RESOURCES AND EXPENDITURES: 1987 TO 1989

[In millions of dollars, except percent. Fiscal year data; see text, section 9. General funds exclude special funds earmarked for particular purposes, such as highway trust funds and federal funds; they support most on-going broad-based State services, and are available for appropriation to support any governmental activity. Minus sign (–) indicates deficit]

STATE	GENERAL FUND RESOURCES [1]			EXPENDITURES [4]			BALANCE [5]					
							Total			As percent of expenditures		
	1987	1988 [2]	1989 [3]	1987	1988 [2]	1989 [3]	1987	1988 [2]	1989 [3]	1987	1988 [2]	1989 [3]
United States	**228,854**	**240,830**	**254,025**	**217,965**	**230,986**	**246,602**	**3,722**	**4,893**	**2,597**	**1.7**	**2.0**	**1.1**
Alabama	2,699	2,913	3,123	2,630	2,766	3,123	70	148	-	2.7	5.4	-
Alaska	1,642	2,292	2,133	2,395	2,255	2,240	20	162	–78	.8	7.2	–3.4
Arizona	2,462	2,619	2,863	2,406	2,613	2,845	56	6	19	2.3	.2	.7
Arkansas	1,461	1,546	1,612	1,461	1,546	1,612	-	-	-	-	-	-
California	33,233	33,277	36,136	31,469	33,239	35,534	77	29	-	.2	.1	-
Colorado	2,103	2,221	2,334	1,996	2,133	2,276	45	88	38	2.3	4.1	1.7
Connecticut	4,742	4,904	5,474	4,377	4,961	5,548	-	-	-	-	-	-
Delaware	1,101	1,204	1,186	931	1,039	1,044	170	165	142	18.3	15.9	13.6
Florida	7,761	8,771	9,509	7,725	8,629	9,509	36	106	-	.5	1.2	-
Georgia	5,518	6,067	6,363	5,354	5,958	6,363	164	109	-	3.1	1.8	-
Hawaii	2,031	2,427	2,705	1,692	1,957	2,275	339	471	430	20.0	24.1	18.9
Idaho	633	675	715	618	658	698	-	17	17	-	2.6	2.4
Illinois	10,620	10,834	11,348	10,340	10,625	11,012	154	246	246	1.5	2.3	2.2
Indiana	3,564	4,058	4,427	3,274	3,557	3,913	101	243	184	3.1	6.8	4.7
Iowa	2,512	2,719	2,858	2,445	2,657	2,857	-	-	-	-	-	-
Kansas	1,800	2,188	2,332	1,727	1,887	2,117	73	301	215	4.2	16.0	10.2
Kentucky	3,097	3,236	3,330	2,914	3,206	3,308	145	32	20	5.0	1.0	.6
Louisiana	3,169	3,118	3,324	3,804	3,881	4,034	–446	–714	140	–11.7	–18.4	3.5
Maine	1,128	1,254	1,339	1,045	1,185	1,339	60	58	-	5.7	4.9	-
Maryland	4,695	5,098	5,428	4,487	4,897	5,412	158	197	6	3.5	4.0	.1
Massachusetts	7,297	7,127	7,869	6,896	7,229	7,727	41	25	5	.6	.3	.1
Michigan	6,475	6,590	6,721	6,464	6,579	6,707	11	12	14	.2	.2	.2
Minnesota	5,799	6,284	6,152	5,167	5,560	5,710	227	279	-	4.4	5.0	-
Mississippi	1,578	1,773	1,822	1,490	1,682	1,806	116	89	24	7.8	5.3	1.3
Missouri	3,315	3,554	3,831	3,273	3,487	3,790	50	80	48	1.5	2.3	1.3
Montana	383	398	416	391	372	382	11	39	36	2.8	10.5	9.4
Nebraska	904	1,068	1,166	849	891	1,009	55	178	125	6.5	20.0	12.4
Nevada	642	637	690	575	586	646	27	51	45	4.7	8.7	6.9
New Hampshire	570	562	589	513	552	582	23	10	5	4.5	1.8	.9
New Jersey	9,860	10,883	11,779	9,138	10,372	11,450	722	690	213	7.9	6.7	1.9
New Mexico	1,496	1,623	1,593	1,458	1,546	1,579	46	-	-	3.2	-	-
New York	24,841	26,883	27,492	23,453	25,087	26,906	169	53	–64	.7	.2	–.2
North Carolina	5,711	6,168	6,614	5,349	5,774	6,586	362	394	28	6.8	6.8	.4
North Dakota	568	560	532	544	506	529	24	51	3	4.4	10.1	.6
Ohio	10,929	11,120	11,349	10,540	10,801	11,089	226	297	139	2.1	2.7	1.3
Oklahoma	2,070	2,397	2,616	2,059	2,203	2,437	-	116	159	-	5.3	6.5
Oregon	1,940	1,909	1,962	1,706	1,830	1,904	234	79	58	13.7	4.3	3.1
Pennsylvania	10,079	10,612	10,831	9,681	10,472	10,708	348	95	91	3.6	.9	.9
Rhode Island	1,239	1,365	1,424	1,123	1,252	1,395	106	99	11	9.4	7.9	.8
South Carolina	2,736	2,988	3,237	2,670	2,861	3,145	90	138	86	3.4	4.8	2.8
South Dakota	402	434	434	364	392	416	36	42	18	9.9	10.7	4.3
Tennessee	2,979	3,186	3,475	2,952	3,080	3,353	22	80	32	.7	2.6	1.0
Texas	11,707	11,722	12,577	9,901	9,263	9,484	–984	–471	52	–9.9	–5.1	.6
Utah	1,304	1,489	1,496	1,279	1,380	1,449	29	89	-	2.3	6.4	-
Vermont	485	580	614	431	488	570	61	74	14	14.2	15.2	2.4
Virginia	5,107	5,150	5,583	4,656	4,963	5,583	138	187	-	3.0	3.8	-
Washington	5,045	5,109	5,364	4,878	5,046	5,240	2	64	-	(Z)	1.3	-
West Virginia	1,644	1,449	1,500	1,611	1,414	1,450	33	35	-	2.0	2.5	-
Wisconsin	5,358	5,441	5,628	5,070	5,300	5,568	233	141	60	4.6	2.7	1.1
Wyoming	441	351	328	395	352	344	46	16	19	11.6	4.5	5.5

- Represents zero. Z Less than .05 percent. [1] Includes funds budgeted, adjustments, and balances from previous year. [2] Estimates. [3] Appropriated figures. [4] Does not include transfers (plus or minus). [5] Resources, less expenditures and transfers.

Source: National Governors' Association and National Association of State Budget Officers, Washington, DC, *Fiscal Survey of the States*, semi-annual (copyright).

No. 460. State Governments—Revenue,

[In millions of dollars, except as indicated

YEAR, DIVISION, AND STATE	Total revenue[1]	GENERAL REVENUE								DEBT OUTSTANDING
		Total		Per capita[2]		Intergovernmental revenue		Taxes	Charges and miscellaneous	
		Amount	Rank	Total (dol.)	Rank	From Federal Government	From local governments			Total
1970	88,939	77,755	(X)	384	(X)	12,252	905	47,962	9,545	42,008
1975	157,033	134,611	(X)	634	(X)	36,148	1,680	80,155	16,629	72,127
1980	276,962	233,592	(X)	1,034	(X)	61,892	2,434	137,075	32,190	121,958
1982	330,899	275,111	(X)	1,218	(X)	66,026	3,139	162,607	43,338	147,470
1983	357,661	290,480	(X)	1,243	(X)	68,985	3,742	171,440	46,312	167,290
1984	397,087	330,740	(X)	1,402	(X)	76,140	5,310	196,795	52,495	186,377
1985	439,416	365,835	(X)	1,536	(X)	84,434	5,453	215,893	60,055	211,917
U.S., 1986	**481,174**	**393,476**	(X)	**1,636**	(X)	**92,666**	**5,908**	**228,054**	**66,848**	**247,715**
New England:										
Maine	2,389	2,039	40	1,740	18	608	3	1,101	327	1,559
New Hampshire	1,548	1,247	48	1,214	48	328	32	484	402	2,384
Vermont	1,185	1,048	49	1,938	11	296	5	500	248	984
Massachusetts	13,121	12,050	10	2,065	7	2,377	150	7,668	1,855	11,844
Rhode Island	2,362	1,960	41	2,011	9	508	24	886	543	2,960
Connecticut	6,966	6,364	20	1,993	10	1,184	3	3,837	1,340	7,317
Middle Atlantic:										
New York	50,909	40,932	2	2,300	4	10,154	3,122	22,747	4,908	36,371
New Jersey	17,558	14,485	8	1,900	13	2,906	160	8,360	3,058	16,899
Pennsylvania	22,120	17,886	4	1,504	29	4,627	75	10,683	2,501	7,802
East North Central:										
Ohio	23,021	15,801	7	1,470	30	3,788	139	9,062	2,812	8,859
Indiana	8,485	7,617	18	1,384	39	1,809	24	4,458	1,327	2,180
Illinois	19,437	16,294	6	1,411	35	3,987	91	9,801	2,415	11,988
Michigan	20,507	16,608	5	1,817	16	4,005	482	9,314	2,806	7,084
Wisconsin	10,886	8,832	12	1,847	15	2,061	53	5,492	1,227	4,860
West North Central:										
Minnesota	9,540	8,077	14	1,917	12	1,824	92	4,898	1,263	3,760
Iowa	5,314	4,350	30	1,526	27	1,006	61	2,459	824	1,601
Missouri	7,491	6,304	21	1,245	46	1,541	9	3,608	1,146	3,751
North Dakota	1,565	1,380	46	2,033	8	349	16	616	399	743
South Dakota	1,241	1,038	50	1,466	31	343	6	404	284	1,302
Nebraska	2,334	2,165	39	1,355	41	561	29	1,119	455	1,309
Kansas	3,948	3,235	34	1,314	45	794	13	1,912	516	352
South Atlantic:										
Delaware	1,807	1,553	44	2,454	3	278	3	883	390	2,635
Maryland	9,140	7,762	17	1,740	18	1,659	37	4,670	1,397	5,410
Virginia	9,964	8,406	13	1,451	33	1,949	104	4,847	1,507	3,843
West Virginia	3,822	3,170	36	1,654	22	886	6	1,849	430	2,132
North Carolina	10,801	8,904	11	1,406	36	2,018	124	5,580	1,182	2,606
South Carolina	6,362	4,919	27	1,455	32	1,180	31	2,887	821	3,726
Georgia	9,391	8,044	15	1,319	44	2,186	60	4,917	881	2,451
Florida	15,815	13,319	9	1,139	50	2,612	97	9,120	1,490	5,880
East South Central:										
Kentucky	6,710	5,706	24	1,531	26	1,525	12	3,216	953	4,110
Tennessee	6,813	5,886	22	1,226	47	1,812	41	3,272	761	2,158
Alabama	6,801	5,718	23	1,412	34	1,520	29	2,997	1,172	3,752
Mississippi	4,434	3,586	32	1,367	40	1,154	18	1,917	497	1,164
West South Central:										
Arkansas	3,623	3,172	35	1,338	43	927	5	1,827	413	1,087
Louisiana	8,359	7,035	19	1,564	24	1,752	17	3,630	1,636	10,479
Oklahoma	5,905	5,032	26	1,522	28	1,055	19	2,960	999	3,830
Texas	23,103	19,904	3	1,193	49	4,547	12	11,125	4,221	5,432
Mountain:										
Montana	1,754	1,388	45	1,699	20	455	13	617	303	1,240
Idaho	1,744	1,354	47	1,351	42	386	18	745	206	658
Wyoming	2,004	1,732	42	3,416	2	440	8	795	489	825
Colorado	5,995	4,550	29	1,393	38	1,174	19	2,344	1,013	1,986
New Mexico	3,925	3,380	33	2,285	5	600	31	1,462	1,287	2,137
Arizona	6,038	4,605	28	1,404	37	733	74	3,196	602	1,473
Utah	3,311	2,727	37	1,639	23	811	24	1,365	527	1,325
Nevada	2,391	1,614	43	1,669	21	345	8	1,048	212	1,224
Pacific:										
Washington	10,668	8,013	16	1,795	17	1,625	147	5,219	1,022	3,572
Oregon	5,524	4,179	31	1,547	25	1,063	37	1,931	1,148	7,142
California	63,987	50,234	1	1,860	14	12,090	321	30,878	6,944	20,122
Alaska	6,115	5,444	25	10,232	1	414	5	1,856	3,168	6,961
Hawaii	2,945	2,430	38	2,282	6	416	2	1,491	521	2,828

X Not applicable. [1] Includes liquor stores, utilities, and insurance trust activities, not shown separately. [2] 1970 based on enumerated resident population as of April 1, 1970. 1980 and 1982 based on enumerated resident population as of April 1, 1980. 1975 and 1983–1986 based on estimated resident population as of July 1.

DEBT, AND EXPENDITURE 1970 TO 1986, AND BY STATE: 1986

for fiscal year ending in year shown; see text, section 9]

DEBT OUTSTANDING—Con.		Total expenditure [1]	GENERAL EXPENDITURES								YEAR, DIVISION, AND STATE
Per capita [2]			Total [3]			Selected functions					
Total (dol.)	Rank		Amount	Per capita [2] Total (dol.)	Per capita [2] Rank	Education	Public welfare	Highways	Health and hospitals	Natural resources	
207	(x)	85,055	77,642	383	(x)	30,865	13,206	13,483	5,355	2,223	1970
340	(x)	158,882	138,303	651	(x)	54,012	25,559	17,483	10,158	3,554	1975
540	(x)	257,812	228,223	1,010	(x)	87,939	44,220	25,044	17,855	4,346	1980
653	(x)	310,358	269,490	1,193	(x)	102,984	55,257	25,131	22,284	5,485	1982
716	(x)	333,669	284,691	1,218	(x)	107,703	57,544	26,431	23,557	5,834	1983
790	(x)	351,182	309,775	1,313	(x)	116,056	62,749	28,840	24,982	5,945	1984
890	(x)	390,742	345,047	1,449	(x)	128,604	67,264	33,154	27,595	6,758	1985
1,030	(x)	**424,216**	**378,519**	**1,566**	(x)	**140,189**	**72,554**	**36,661**	**30,131**	**7,312**	**U.S., 1986.**
											N. Eng.:
1,330	17	2,156	1,914	1,633	20	647	476	203	97	54	ME.
2,321	7	1,348	1,159	1,128	49	266	209	170	112	23	NH.
1,819	13	1,095	1,014	1,874	11	340	164	121	55	32	VT.
2,030	11	12,449	11,445	1,962	9	2,735	2,868	558	1,102	113	MA.
3,025	3	2,167	1,925	1,974	8	529	466	131	185	14	RI.
2,292	8	6,009	5,404	1,692	18	1,389	1,019	514	547	55	CT.
											Mid. Atl.:
2,044	10	43,139	36,364	2,043	7	10,416	10,567	1,699	3,433	183	NY.
2,216	9	16,043	13,616	1,786	14	3,918	2,365	1,290	937	144	NJ.
656	38	19,278	16,322	1,372	36	5,232	4,154	1,957	1,306	246	PA.
											E. No. Cent.:
824	29	19,010	15,372	1,430	31	5,888	3,579	1,496	1,141	153	OH.
396	48	7,548	7,111	1,292	45	3,108	1,118	855	500	147	IN.
1,036	25	17,823	16,106	1,395	35	5,524	3,656	1,836	1,019	201	IL.
775	33	17,563	15,602	1,707	17	4,843	4,031	1,162	1,848	223	MI.
974	26	9,125	8,424	1,761	15	2,775	1,958	619	577	161	WI.
											W. No. Cent.:
892	28	8,581	7,858	1,865	12	2,909	1,512	796	541	196	MN.
562	40	4,852	4,451	1,562	26	1,672	789	680	337	99	IA.
741	35	6,477	6,064	1,197	46	2,434	996	838	553	137	MO.
1,094	24	1,537	1,427	2,101	4	560	174	185	95	54	ND.
1,840	12	1,074	1,029	1,454	28	282	136	176	69	55	SD.
819	30	2,205	2,122	1,328	39	690	361	353	188	74	NE.
143	50	3,522	3,240	1,316	43	1,448	485	507	268	85	KS.
											So. Atl.:
4,162	2	1,415	1,319	2,083	6	523	123	136	92	27	DE
1,213	19	8,132	7,154	1,604	21	2,107	1,284	1,035	564	150	MD.
663	36	8,873	8,239	1,422	34	3,357	962	1,205	920	128	VA.
1,112	21	3,621	3,065	1,599	22	1,268	448	473	150	81	WV.
412	46	9,369	8,649	1,366	37	4,227	1,075	876	737	197	NC.
1,102	23	5,641	4,812	1,423	33	2,220	594	380	538	112	SC.
402	47	8,530	7,974	1,307	44	3,498	1,284	927	670	198	GA.
486	41	13,740	12,867	1,109	50	5,310	1,681	1,395	1,120	449	FL.
											E. So. Cent.:
1,103	22	5,791	5,372	1,442	30	2,134	927	718	306	159	KY.
449	44	6,060	5,671	1,181	47	2,229	1,012	800	483	90	TN.
926	27	6,436	5,900	1,457	27	2,667	738	656	617	127	AL.
451	43	3,836	3,483	1,328	40	1,420	509	440	287	110	MS.
											W. So. Cent.:
458	42	3,355	3,133	1,321	41	1,342	503	470	222	90	AR.
2,329	6	8,218	7,151	1,589	24	2,697	985	777	755	216	LA.
1,158	20	5,629	4,801	1,452	29	2,155	791	575	386	87	OK.
325	49	20,782	18,918	1,134	48	9,729	2,253	2,533	1,426	292	TX.
											Mt.:
1,518	15	1,643	1,396	1,709	16	447	195	270	82	77	MT.
657	37	1,517	1,323	1,320	42	567	145	218	68	65	ID.
1,627	14	1,633	1,476	2,911	2	466	102	298	81	57	WY.
612	39	4,952	4,376	1,340	38	1,842	762	538	365	107	CO.
1,445	16	3,300	3,098	2,095	5	1,392	282	329	240	66	NM.
449	45	5,074	4,688	1,430	32	2,070	480	739	192	65	AZ.
796	32	3,071	2,793	1,679	19	1,327	355	325	246	72	UT.
1,266	18	1,917	1,539	1,591	23	573	128	219	62	29	NV.
											Pac.:
900	31	9,669	8,100	1,815	13	3,675	1,325	672	549	229	WA.
2,843	5	4,925	4,233	1,566	25	1,326	559	495	304	130	OR.
745	34	57,370	50,791	1,881	10	20,087	11,412	2,485	3,466	1,236	CA.
13,085	1	4,221	3,888	7,309	1	927	259	437	104	164	AK.
2,855	4	2,472	2,241	2,105	3	806	282	94	190	54	HI.

[3] Includes amounts not shown separately.

Source: U.S. Bureau of the Census, *State Government Finances*, series GF, No. 3, and *Census of Governments: 1977* and 1982, Vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment*.

NO. 461. STATE GOVERNMENT TAX COLLECTIONS AND EXCISE TAXES, 1970 TO 1987, AND BY STATE, 1987

[Tax collections for **fiscal year**; see text, section 9. Excise taxes as of **September 1**. Collections include local shares of State-imposed taxes. 1987 tax collections preliminary. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	STATE TAX COLLECTIONS (mil. dol.)								EXCISE TAXES		
	Total [1]	Sales and gross receipts				Individual income	Corporation net income	Motor vehicle and operators' licenses	General sales and gross receipts (percent) [2]	Cigarettes (cents per package)	Gasoline (cents per gal.)
		Total [1]	General sales and gross receipts	Motor fuels	Alcoholic beverages and tobacco products						
1970 [3]	47,962	27,254	14,177	6,283	3,726	9,183	3,738	2,728	(x)	(x)	(x)
1975 [3]	80,155	43,346	24,780	8,255	5,249	18,819	6,642	3,941	(x)	(x)	(x)
1980 [3]	137,075	67,855	43,168	9,722	6,216	37,089	13,321	5,325	(x)	(x)	(x)
1985 [3]	215,893	105,419	69,633	13,344	7,393	63,908	17,631	7,780	(x)	(x)	(x)
1986 [3]	228,295	112,353	74,927	14,101	7,511	67,469	18,462	8,372	(x)	(x)	(x)
1987 [3]	**247,149**	**119,970**	**79,819**	**15,661**	**7,696**	**76,038**	**20,740**	**9,037**	(x)	(x)	(x)
Region:											
Northeast	61,809	25,695	16,168	2,329	1,753	23,228	6,478	1,815	(x)	(x)	(x)
Midwest	56,881	28,041	18,956	4,171	1,744	18,790	4,758	2,433	(x)	(x)	(x)
South [3]	69,819	40,033	25,132	6,097	3,048	15,110	3,826	2,885	(x)	(x)	(x)
West	58,640	26,201	19,563	3,065	1,152	18,910	5,678	1,904	(x)	(x)	(x)
New England	**16,262**	**7,174**	**4,589**	**838**	**554**	**5,398**	**2,230**	**539**	(x)	(x)	(x)
Maine	1,288	668	439	97	73	423	68	53	5 F&D	28	14
New Hampshire	563	243	(x)	84	43	9	152	48	(x)	17	14
Vermont	538	278	109	40	27	162	38	34	4 F&D	17	13
Massachusetts	8,464	2,758	1,867	310	252	3,979	1,204	179	5 F&D	26	11
Rhode Island	1,050	531	351	53	37	359	88	27	6 F&D	25	15
Connecticut	4,359	2,696	1,823	254	122	466	680	197	7.5 F&D	26	19
Middle Atlantic	**45,547**	**18,521**	**11,579**	**1,491**	**1,199**	**17,830**	**4,248**	**1,276**	(x)	(x)	(x)
New York	24,676	7,876	5,098	496	563	12,477	2,143	480	[4] 4 F&D	21	8
New Jersey	9,491	4,911	2,912	344	269	2,603	1,088	350	6 F&D	27	8
Pennsylvania	11,379	5,734	3,569	651	368	2,750	1,016	446	6 F&D	18	12
East North Central	**40,452**	**19,943**	**13,521**	**2,916**	**1,214**	**13,201**	**3,688**	**1,572**	(x)	(x)	(x)
Ohio	9,717	5,131	3,383	642	251	3,218	475	352	[4] 5 F&D	18	14.7
Indiana	4,774	2,856	2,252	397	110	1,455	236	89	5 F&D	15.5	14
Illinois	10,430	5,388	3,405	741	319	3,095	862	614	[4] 5 F&D	20	13
Michigan	9,857	4,092	2,829	718	360	3,208	1,645	354	4 F&D	21	15
Wisconsin	5,674	2,475	1,652	419	174	2,224	471	163	[4] 5 F&D	30	20
West North Central	**16,430**	**8,098**	**5,435**	**1,255**	**530**	**5,589**	**1,070**	**861**	(x)	(x)	(x)
Minnesota	5,546	2,407	1,469	357	135	2,312	423	274	[4] 6 F&D	38	17
Iowa	2,662	1,245	826	252	91	955	150	188	4 F&D	26	16
Missouri	3,942	2,093	1,624	215	108	1,248	235	197	[4] 4.225 D	13	11
North Dakota	573	300	194	55	17	80	33	33	5.5 F&D	27	17
South Dakota	416	327	205	57	22	(x)	24	35	[4] 5 D	23	13
Nebraska	1,203	664	391	162	51	360	67	54	[4] 4 F&D	27	17.8
Kansas	2,085	1,062	727	157	107	634	137	80	[4] 4 D	24	11
South Atlantic [3]	**38,295**	**20,320**	**13,226**	**2,880**	**1,535**	**11,265**	**2,605**	**1,282**	(x)	(x)	(x)
Delaware	989	94	(x)	33	17	432	121	44	(x)	14	16
Maryland	5,204	2,306	1,302	328	95	2,181	270	94	5 F&D	13	18.5
District of Columbia [3]	1,915	562	379	25	17	507	169	20	6 F&D	17	15.5
Virginia	5,527	2,260	1,103	439	112	2,446	321	249	[4] 3.5 D	2.5	17.5
West Virginia	1,830	1,134	790	162	42	482	90	68	5 F&D	17	10.5
North Carolina	6,235	2 530	1,456	554	148	2,566	566	238	[4] 3 D	2	15.5
South Carolina	3,340	1,921	1,356	262	137	1,009	190	80	5 D	7	15
Georgia	5,324	2,487	1,739	386	208	2,149	449	87	[4] 3 D	12	[5] 7.5
Florida	9,846	7,588	5,478	716	776	(x)	596	422	[4] 5 F&D	24	4
East South Central	**12,289**	**7,390**	**4,786**	**1,175**	**471**	**2,192**	**831**	**468**	(x)	(x)	(x)
Kentucky	3,520	1,563	892	294	66	921	267	147	[4] 5 F&D	3	15
Tennessee	3,603	2,786	1,994	489	145	68	299	145	[4] 5.5 D	13	17
Alabama	3,222	1,741	884	263	169	888	162	113	[4] 4 D	16.5	11
Mississippi	1,943	1,301	1,015	128	91	315	103	64	6 D	18	15
West South Central	**19,235**	**12,323**	**7,120**	**2,042**	**1,042**	**1,653**	**391**	**1,136**	(x)	(x)	(x)
Arkansas	1,889	1,082	716	206	87	535	116	77	[4] 4 D	21	13.5
Louisiana	3,449	1,955	1,190	357	131	439	191	85	4 F&D	16	16
Oklahoma	2,669	1,169	614	205	127	679	84	228	[4] 4 D	23	16
Texas	11,228	8,116	4,601	1,273	697	(x)	(x)	746	[4] 5.25 F&D	20.5	15
Mountain	**12,215**	**6,773**	**4,526**	**1,137**	**352**	**3,031**	**565**	**512**	(x)	(x)	(x)
Montana	591	149	(x)	85	26	195	35	32	(x)	16	20
Idaho	830	439	298	82	22	265	47	36	5 D	18	14.5
Wyoming	632	211	151	35	6	(x)	(x)	37	[4] 3 D	8	8
Colorado	2,561	1,216	719	292	103	1,035	124	82	[4] 3 F&D	20	18
New Mexico	1,575	924	700	108	36	243	99	40	[4] 4.75	15	14
Arizona	3,469	2,125	1,547	310	92	762	199	187	[4] 5 F&D	15	16
Utah	1,438	753	559	127	33	532	61	45	[4] 5.094 F&D	23	19
Nevada	1,118	956	553	98	34	(x)	(x)	53	[4] 5.75 F&D	20	14.25
Pacific	**46,425**	**19,428**	**15,037**	**1,927**	**799**	**15,879**	**5,113**	**1,392**	(x)	(x)	(x)
Washington	5,639	4,245	3,264	449	235	(x)	(x)	154	6.5 D	31	18
Oregon	2,235	302	(x)	150	89	1,462	136	183	(x)	27	12
California	35,791	13,759	10,935	1,248	400	13,874	4,759	1,019	[4] 4.75 F&D	10	9
Alaska	1,062	82	(x)	32	22	(z)	141	18	(x)	16	8
Hawaii	1,697	1,041	818	48	54	543	77	18	4 D	[6]	[7] 11

X Not applicable. Z Less than $500,000. [1] Includes amounts for types of taxes not shown separately. [2] F=food exempt from sales tax; D=prescription drugs exempt from sales tax. [3] DC excluded from total. [4] Local sales tax rates are additional. [5] An additional tax is levied at the rate of 3 percent of the retail sales price, less the current 7.5 cents per gallon tax. [6] Tax is 40 percent of wholesale price. [7] Combined State and county rates are: Hawaii 16 cents; Honolulu 22.5 cents; Kauai 15 cents; and Maui 19 cents.

Source: U.S. Bureau of the Census, *State Government Tax Collections*, series GF, No. 1, annual.

No. 462. State Government Individual Income Taxes: 1987

[As of August 1987. Only basic rates, brackets and exemptions are shown. Local income tax rates, even those mandated by the State, are not included. Taxable income rates and brackets listed below apply to single individuals and married taxpayers filing "combined separate" returns (in States where this is permitted). Alaska, Florida, Nevada, South Dakota, Texas, Washington, and Wyoming have no State income tax]

STATE	Taxable income rates (range in percent)	TAXABLE INCOME BRACKETS		PERSONAL EXEMPTIONS			SIZE OF STANDARD DEDUCTION [1]			Federal income tax deductible [2]
		Lowest: amount under	Highest: amount over	Single	Married—joint return	Dependents	Percent	Single	Married—joint return	
AL[4]	2.0-5.0	[4] $500	[4] $3,000	$1,500	$3,000	$300	20	$2,000	$4,000	Yes
AZ[5]	2.0-8.0	1,155	6,930	1,996	3,992	1,198	19.4	998	1,996	Yes [6]
AR	1.0-7.0	2,999	25,000	[7] 20	[7] 40	[7] 20	10	1,000	1,000	No
CA[5]	1.0-11.0	1,710	28,790	[7] 43	[7] 86	[7] 14	(x)	1,710	3,420	No
CO				5% of federal income tax liability						
CT				Very limited income tax [8]						
DE[3]	1.0-8.8	1,000	40,000	1,000	2,000	1,000	10	1,000	1,000	Yes [9]
DC	2.0-11.0	1,000	25,000	750	1,500	750	(x)	1,000	1,000	No
GA	1.0-6.0	750	7,000	1,500	3,000	700	[10] 15	[10] 2,300	[10] 3,000	No
HI	2.25-10	1,000	20,000	1,900	3,800	1,900	(x)	1,000	1,700	No
ID	2.0-8.2	1,000	20,000	Same as federal [11]						No
IL	2.5	Flat rate		1,000	2,000	1,000	(x)	(x)	(x)	No
IN[3]	3.4	Flat rate		1,000	2,000	1,000	(x)	(x)	(x)	No
IA[3 5]	.5-13.0	[12] 1,023	[12] 76,725	[7] 20	[7] 40	[7] 15	[10] 15	[10] 1,200	[10] 3,000	Yes
KS	2.0-9.0	2,000	25,000	1,000	2,000	1,000	[10] 16	[10] 2,400	[10] 2,800	Yes [13]
KY[3]	2.0-6.0	3,000	8,000	[7] 20	[7] 40	[7] 20	(x)	650	650	Yes
LA	2.0-6.0	10,000	50,000	[14] 4,500	[14] 9,000	[14] 1,000	([14])	([14])	([14])	Yes
ME[5]	1.0-10.0	2,000	25,000	1,000	2,000	1,000	[10] 16	[10] 2,500	[10] 3,100	No
MD[3]	[15] 2.0-5.0	1,000	3,000	1,000	2,000	1,000	[10] 13	[10] 2,000	[10] 4,000	No
MA	5.0	Flat rate		2,200	4,400	1,000	(x)	(x)	(x)	No
MI[3]	4.6	Flat rate		1,500	3,000	1,500	(x)	(x)	(x)	No
MN[5]	1.0-9.9	310	16,800	[7] 73	[7] 146	[7] 73	10	2,500	2,500	Yes [16]
MS	3.0-5.0	5,000	10,000	6,000	9,500	1,500	15	2,300	3,400	No
MO[3]	1.5-6.0	[17] 1,000	[17] 9,000	1,200	1,200	400	(x)	Same as federal [11]		Yes
MT[5]	2.0-11.0	1,300	46,400	1,060	2,120	1,060	20	1,990	3,980	Yes
NE	2.0-5.9	1,800	27,000	1,100	2,200	1,100	(x)	2,530	3,740	No
NH				Very limited income tax [18]						
NJ	[19] 2.0-3.5	20,000	50,000	1,000	2,000	1,000	(x)	(x)	(x)	No
NM	1.8-8.5	5,200	41,600	2,000	4,000	2,000	(x)	Same as federal [11]		No
NY[3]	2.0-8.5	1,000	14,000	900	1,800	900	(x)	3,600	5,300	No
NC	3.0-7.0	2,000	10,000	1,100	[20] 2,200	800	10	550	([20])	No
ND	[21] 2.67-12	[21] 3,000	[21] 50,000	Same as federal [11]						Yes [21]
OH[3]	.751-6.9	5,000	100,000	650	1,300	650	(x)	(x)	(x)	No
OK	[22] .5-6.0	[22] 1,000	[22] 7,500	1,000	2,000	1,000	15	2,000	2,000	Yes [22]
OR[5]	5.0-9.0	2,000	5,000	[7] 85	[7] 170	[7] 85	[10] 13	[10] 1,800	[10] 3,000	Yes [23]
PA[3]	2.1	Flat rate		(x)	(x)	(x)	(x)	(x)	(x)	No
RI				23.46% of federal income tax liability						No
SC	3.0-7.0	4,000	10,000	Same as federal [11]						No
TN				Very limited income tax [24]						
UT	2.75-7.75	750	3,750	750	1,500	750	[10] 15	2,000	2,000	Yes
VT				25.8% of federal income tax liability						No
VA	2.0-5.75	3,000	14,000	700	1,400	700	15	2,000	4,000	No
WV	3.0-6.5	10,000	60,000	2,000	4,000	2,000	No deductions [25]			No
WI[5]	5.0-7.9	7,500	30,000	[7] 20	[7] 40	[7] 20	(x)	5,200	7,200	No

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X Not applicable. [1] The lesser of either (a) the percentage indicated, multiplied by adjusted gross income or (b) the dollar value listed. [2] A State provision that allows the taxpayer to deduct fully the Federal income tax payment reduces the effective marginal tax rate for persons in the highest State and Federal tax brackets by approximately one-half the nominal tax rate—the deduction is of a lesser benefit to other taxpayers. [3] States in which one or more local governments levy a local income tax. [4] Social Security (FICA) taxes are deducted from taxable income. [5] Indexed by an inflation factor. Brackets shown are for 1986. Oregon and Wisconsin are scheduled to begin indexing in 1987. 1987 inflation adjustment will be determined in the fall. [6] Limited to 46% of Federal tax liability or $475, whichever is greater. [7] Tax credit. [8] There is an income tax on interest and dividend income only. The rate of this tax ranges from 1% of interest and dividend income for taxpayers with an AGI of $54,000 to $57,999 to 12% of such income of taxpayers with an AGI over $100,000. Capital gains are taxed at 7% after an exemption of $100 is applied. [9] Federal income tax deduction limited to $300 ($600 married). [10] A minimum standard deduction exists. In instances where the percentage standard deduction is less than the minimum, the minimum deduction amount should be taken. [11] Personal exemptions on the 1987 return are $1,900 each; standard deduction for single is $2,540 and for those filing joint returns, $3,760. [12] Tax cannot reduce after-tax income of taxpayer to below $5,000. [13] FICA taxes also deductible. [14] Personal exemption and standard deduction are combined. [15] All counties have a local income tax surcharge of at least 20% of State tax liability; most counties have a surcharge of 50%. [16] Taxpayers may choose between two tax tables: whether to deduct Federal taxes or to use a lower rate. Figures shown here are lower rate option. [17] FICA taxes deductible when itemizing deductions. [18] There is a 5% tax on dividend and interest income (excluding income from savings bank deposits) in excess of $1,200 ($2,400 married.) [19] No taxpayer is subject to tax if gross income is $3,000 or less ($1,500 married, filing separately). [20] An additional exemption of $1,100 is allowed the spouse with the smallest income. Joint returns not allowed. [21] Taxpayers have the option of paying a tax of 14% of the taxpayers adjusted Federal income tax liability or using the long form with a separate schedule; taxpayers using the long form may deduct Federal income tax paid; a 10% surtax is also imposed in 1987. [22] These tax rates and brackets apply to single persons not deducting Federal income tax. For individuals deducting Federal income tax, rates range from .5% of the first $1,000 to 17% on income over $49,000. [23] Federal tax deduction limited to $7,000 ($3,500 married, filing separately). [24] Interest and dividends taxed at 6%. [25] Eliminated standard deduction; no itemized deductions are permitted.

Source: Advisory Commission on Intergovernmental Relations, Washington, DC, *Significant Features of Fiscal Federalism, 1988 Edition.*

NO. 463. GROSS REVENUE OF SELECTED STATES FROM PARIMUTUEL AND AMUSEMENT TAXE LOTTERIES, 1980 TO 1986, AND BY STATE, 1986

[**In millions of dollars, except percent.** For fiscal years; see text, section 9]

YEAR AND STATE	Gross revenue	Pari-mutuel taxes	Amusement taxes [1]	LOTTERY REVENUE		STATE	Gross revenue	Pari-mutuel taxes	Amusement taxes [1]	LOTTERY
				Total [2]	Percent for prizes					Total [2]
1980	3,153.7	731.5	234.1	2,188.1	52.3	MA	958.3	37.5	9.9	910.9
1982	4,588.3	730.5	309.8	3,548.0	52.2	MI	952.2	21.3	(x)	931.0
1983	5,859.3	729.3	366.0	4,764.0	52.1	MO	196.5	(x)	(x)	196.5
1984	7,360.1	739.4	383.7	[3] 6,237.0	52.4	NE	11.0	7.1	3.9	(x)
1985	9,227.0	693.9	411.6	[3] 8,121.5	52.1	NV	217.3	(z)	217.3	(x)
1986 [4]	**12,163.9**	**646.6**	**462.7**	[3] **11,054.5**	**52.5**	NH	44.5	10.7	(x)	33.8
AZ	126.3	12.1	.6	113.6	48.5	NJ	1,136.4	7.6	191.6	937.1
AR	19.8	19.8	(x)	(x)	(x)	NM	4.1	2.9	1.2	(x)
CA	1,788.0	112.3	(x)	1,675.7	53.0	NY	1,296.3	90.3	1.3	1,204.7
CO	111.4	8.5	.5	102.4	60.2	OH	899.2	10.9	(x)	888.3
CT	484.3	63.9	13.8	406.6	53.6	OK	1.5	1.5	(z)	(x)
DE	38.1	.4	(x)	37.7	52.4	OR	87.8	4.7	(x)	83.1
DC	112.3	(x)	(x)	112.3	52.6	PA	1,243.8	9.3	.3	1,234.2
FL	115.7	113.1	2.6	(x)	(x)	RI	55.9	5.8	.1	50.0
IA	77.2	(x)	(x)	77.2	50.9	SC	7.4	(x)	7.4	(x)
IL	1,264.0	55.8	8.3	1,199.9	52.7	SD	3.4	3.4	(x)	(x)
KY	11.1	10.8	.3	(x)	(x)	VT	12.3	.5	(x)	11.8
LA	23.3	23.1	.2	(x)	(x)	WA	190.3	8.7	.1	181.5
ME	37.5	1.3	(x)	36.2	55.5	WV	53.0	(x)	(x)	53.0
MD	693.1	2.4	1.2	689.5	48.9					

X Not applicable. Z Less than $50,000. [1] Represents nonlicense taxes. [2] Excludes commissions. [3] Exc whose lottery began in 1984: ($80.5) in 1984, ($105.5) in 1985, and ($112.3) in 1986. [4] Includes States whose gross were less than $1,000,000 not shown separately.

Source: U.S. Bureau of the Census, *State Government Finances*, series GF, No. 3, annual.

NO. 464. STATE GOVERNMENT REVENUE FROM SEVERANCE TAXES, BY STATE: 1984 TO 1

[**In millions of dollars.** For fiscal years; see text, section 9. Severance taxes are taxes imposed distinctively on the r natural products, such as oil, gas, other minerals, timber, and fish; from land or water and measured by value and/or q products removed or sold. See source for information on particular taxes (including changes in tax rates) and additional detail. For composition of regions, see fig. I, inside front cover]

REGION AND STATE	1984	1985	1986	1987	REGION AND STATE	1984	1985	1986
Total	**7,266**	**7,211**	**6,038**	**4,048**	Mississippi	103.0	92.9	72.9
					Missouri	(z)	(z)	(z)
Region:					Montana	144.8	150.7	129.9
Northeast	.1	.1	.5	.1	Nebraska	4.5	4.6	4.0
Midwest	486.4	463.7	333.0	240.1	Nevada	.1	.1	(z)
South	4,338.7	4,244.9	3,232.4	2,416.3	New Hampshire	.1	.1	.5
West	2,441.0	2,502.5	2,472.4	1,391.4	New Mexico	367.4	390.8	367.2
Alabama	119.5	89.6	75.1	53.3	North Carolina	1.3	1.5	1.4
Alaska	1,393.0	1,389.3	1,432.9	666.9	North Dakota	199.6	176.3	147.0
Arkansas	27.1	26.0	22.2	15.1	Ohio	6.6	8.2	9.9
California	17.5	19.1	19.2	22.8	Oklahoma	703.7	708.8	571.4
Colorado	30.0	30.4	22.6	9.7	Oregon	29.2	31.8	32.4
Florida [1]	157.8	173.2	83.9	81.3	South Dakota	8.9	4.5	5.6
Idaho	1.2	.7	.5	.4	Tennessee	3.3	2.8	2.3
Indiana	1.5	1.5	1.3	.6	Texas	2,218.8	2,175.3	1,552.1
Kansas	117.0	111.8	102.1	63.6	Utah	38.4	49.4	43.9
Kentucky	210.7	228.0	229.3	211.2	Virginia	1.4	1.6	1.6
Louisiana	792.1	745.2	619.7	449.6	Washington	31.1	36.2	37.0
Michigan	73.3	75.7	52.8	53.4	Wisconsin	.9	1.0	.8
Minnesota	74.1	80.0	9.5	8.3	Wyoming	388.3	404.0	387.3

Z Less than $50,000. [1] Beginning 1986, corporate excise tax ($86,995,000) was reclassified to corporate net in

Source: U.S. Bureau of the Census, *State Government Tax Collections*, series GF, No. 1, annual.

NO. 465. MINIMUM DRINKING AGES—STATES: 1970 TO 1988

[As of **June.** Effective July 1, 1988, all states have 21 minimum drinking age for all beverage alcohol. Includes District of C

BEVERAGE AND AGE	NUMBER OF STATES						BEVERAGE AND AGE	NUMBER OF STATES				
	1970	1975	1980	1985	1986	1988		1970	1975	1980	1985	19
Distilled spirits:							Fortified wine: [1]					
18 years	3	19	8	3	2	-	18 years	5	20	7	3	
19 years	1	7	13	11	7	1	19 years	1	7	14	11	
20 years	4	1	5	1	1	-	20 years	4	1	5	2	
21 years	43	24	25	36	41	50	21 years	41	23	25	35	
Table wine:							Beer: [2]					
18 years	7	24	11	5	4	-	18 years	10	24	13	4	
19 years	1	7	14	12	8	1	19 years	-	7	13	14	
20 years	4	1	5	2	2	-	20 years	4	1	5	2	
21 years	39	19	21	32	37	50	21 years	37	18	20	31	

- Represents zero. [1] A wine having an alcohol content of 14% to 21%.

[2] Excludes 3.2% beer. Purchases of over 3.2% beer illegal in West Virginia in 1975.

Source: Distilled Spirits Council of the United States, Inc., Washington, DC, unpublished data.

NO. 466. STATE GOVERNMENT INTERGOVERNMENTAL EXPENDITURES, 1980 TO 1986, AND BY STATE, 1986

[For **fiscal year**, see text, section 9]

YEAR, DIVISION, AND STATE	Total (mil. dol.)	Per capita [1] (dol.)	Rank	As percent of general expenditure
1980	84,504	374	(x)	37.0
1983	100,887	432	(x)	35.4
1984	108,373	459	(x)	35.0
1985	121,571	511	(x)	35.2
1986, U.S	**131,966**	**549**	(x)	**35.0**
N. Eng.: ME	428	385	42	22.4
NH	175	170	49	15.1
VT	159	294	47	15.7
MA	3,326	570	13	29.1
RI	348	357	44	18.1
CT	1,147	359	43	21.2
Mid. Atl.: NY	15,182	853	4	41.8
NJ	4,803	630	9	35.3
PA	5,364	451	21	32.9
E. No. Cent.: OH	5,537	515	16	36.0
IN	2,592	471	19	36.4
IL	4,798	415	31	29.8
MI	4,843	530	15	31.0
WI	3,286	687	7	39.0
W. No. Cent.: MN	3,124	742	6	39.8
IA	1,457	511	17	32.7
MO	1,916	378	40	31.6
ND	399	588	11	28.0
SD	195	275	48	18.9
NE	537	336	45	25.3
KS	995	404	34	30.7
So. Atl.: DE	254	401	35	19.3
MD	1,855	416	30	25.9
So. Atl.—Con.:				
VA	2,513	434	26	30.5
WV	856	446	24	27.9
NC	3,403	537	14	39.3
SC	1,429	423	28	29.7
GA	2,605	427	27	32.7
FL	5,199	445	25	40.1
E. So. Cent.: KY	1,416	380	39	26.4
TN	1,430	298	46	25.2
AL	1,563	386	38	26.5
MS	1,237	471	18	35.5
W. So. Cent.: AR	989	417	29	31.6
LA	1,867	415	32	26.1
OK	1,478	447	22	30.8
TX	6,147	368	41	32.5
Mt.: MT	320	391	37	22.9
ID	399	399	36	30.2
WY	590	1,164	2	40.0
CO	1,459	447	23	33.3
NM	1,119	757	5	36.1
AZ	1,914	584	12	40.8
UT	782	470	20	28.0
NV	590	610	10	38.4
Pac.: WA	3,011	675	8	37.2
OR	1,106	409	33	26.1
CA	24,929	923	3	49.1
AK	864	1,624	1	22.2
HI	30	28	50	1.3

X Not applicable. [1] 1980 based on enumerated resident population as of April 1; 1983-1986 based on estimated resident population as of July 1.

Source: U.S. Bureau of the Census, *Census of Governments: 1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *State Government Finances*, series GF, No. 3, annual.

NO. 467. LOCAL GOVERNMENT GENERAL REVENUE, BY SOURCE, 1980 TO 1986, AND BY STATE, 1986

[In **millions of dollars**, for **fiscal year**, see text, section 9. Data are estimates based on sample and subject to sampling variability; see source and Appendix III]

YEAR, DIVISION, AND STATE	Total [1]	INTERGOVERNMENTAL FROM—		FROM OWN SOURCES	
		Federal	State	Total	Taxes
1980	232,453	21,136	81,289	130,027	86,387
1983	298,394	21,021	98,378	178,994	112,996
1984	323,118	20,795	105,820	196,504	123,399
1985	354,119	21,724	116,380	216,014	134,473
1986, U.S	**380,714**	**20,433**	**126,824**	**233,457**	**144,997**
N. Eng	**16,731**	**1,272**	**5,100**	**10,359**	**8,214**
ME	1,209	84	381	744	558
NH	1,092	69	136	887	764
VT	520	35	125	360	303
MA	8,847	824	3,189	4,834	3,607
RI	1,062	79	285	698	608
CT	4,001	180	984	2,836	2,373
Mid. Atl	**76,573**	**3,672**	**24,827**	**48,075**	**34,912**
NY	47,681	2,120	15,429	30,132	22,382
NJ	12,582	523	4,393	7,666	5,871
PA	16,310	1,029	5,004	10,276	6,659
E. No. Cent	**61,949**	**3,418**	**20,174**	**38,357**	**25,532**
OH	15,346	918	5,165	9,263	6,121
IN	6,932	337	2,598	3,997	2,295
IL	16,933	1,127	4,530	11,277	8,065
MI	14,775	731	4,565	9,479	6,263
WI	7,963	305	3,317	4,340	2,787
W. No. Cent	**25,763**	**1,262**	**7,933**	**16,567**	**9,337**
MN	8,510	363	3,242	4,905	2,329
IA	4,179	170	1,398	2,611	1,582
MO	5,374	355	1,434	3,585	2,227
ND	858	59	345	454	256
SD	793	67	175	551	404
NE	2,309	121	448	1,740	1,019
KS	3,740	127	891	2,721	1,519
So. Atl	**57,205**	**4,222**	**17,124**	**35,860**	**20,513**
DE	708	56	307	345	169
So. Atl.—Con.:					
MD	6,593	424	1,831	4,338	3,106
DC	3,450	1,346	(x)	2,104	1,717
VA	7,304	326	2,371	4,606	3,278
WV	2,017	96	864	1,057	481
NC	7,240	431	2,976	3,834	2,158
SC	3,304	177	1,178	1,949	957
GA	8,854	493	2,368	5,993	2,898
FL	17,736	873	5,228	11,635	5,747
E. So. Cent	**16,143**	**996**	**5,492**	**9,656**	**4,556**
KY	3,513	215	1,327	1,971	897
TN	5,232	356	1,393	3,483	1,900
AL	4,397	265	1,526	2,606	1,143
MS	3,002	160	1,245	1,597	616
W. So. Cent	**36,756**	**1,567**	**10,437**	**24,751**	**14,287**
AR	2,217	123	898	1,196	571
LA	5,856	281	1,799	3,776	2,011
OK	4,031	207	1,394	2,431	1,283
TX	24,651	955	6,347	17,349	10,422
Mt	**21,308**	**1,102**	**7,055**	**13,151**	**7,180**
MT	1,194	92	285	817	510
ID	1,064	62	411	591	312
WY	1,476	51	464	961	537
CO	5,698	231	1,464	4,002	2,508
NM	2,137	172	1,051	915	374
AZ	5,742	299	1,994	3,449	1,701
UT	2,354	116	764	1,474	786
NV	1,643	80	623	941	453
Pac	**68,286**	**2,922**	**28,682**	**36,682**	**20,467**
WA	6,821	425	2,700	3,695	1,873
OR	4,253	363	1,006	2,884	1,943
CA	54,465	1,951	24,081	28,434	15,706
AK	2,065	66	847	1,152	540
HI	681	116	49	516	405

X Not applicable. [1] Excludes duplicative intergovernmental transactions.

Source: U.S. Bureau of the Census, *Census of Governments: 1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *Government Finances*, series GF, No. 5, annual.

No. 468. Number of Local Governments, by Type—States: 1982 and 1987

[Governments in existence in January. Limited to governments actually in existence. Excludes, therefore, a few counties an numerous townships and "incorporated places" existing as areas for which statistics can be presented as to population an other subjects, but lacking any separate organized county, township, or municipal government]

STATE	1982			1987							
	All local governmental units [1]	School district governments	Special district governments	All local governmental units	County governments	Municipal governments	Township governments [2]	School district governments	Special district governments		
									Total [1]	Natural resources	Fire protection
U.S	**81,780**	**14,851**	**28,078**	**83,186**	**3,042**	**19,200**	**16,691**	**14,721**	**29,532**	**6,360**	**5,070**
AL	1,018	127	390	1,053	67	436	-	129	421	69	4
AK	156	-	6	172	9	149	-	-	14	-	-
AZ	452	232	130	576	15	81	-	227	253	82	116
AR	1,424	372	505	1,396	75	483	-	333	505	245	33
CA	4,102	1,111	2,506	4,331	57	442	-	1,098	2,734	521	389
CO	1,544	185	1,030	1,593	62	266	-	180	1,085	188	213
CT	479	16	281	477	-	31	149	16	281	1	55
DE	217	19	139	281	3	57	-	19	202	197	-
DC	2	-	1	2	-	1	-	-	1	-	-
FL	969	95	417	965	66	390	-	95	414	133	48
GA	1,268	187	390	1,286	158	532	-	186	410	28	6
HI	18	-	14	18	3	1	-	-	14	14	-
ID	1,018	117	659	1,065	44	198	-	118	705	169	119
IL	6,467	1,049	2,602	6,627	102	1,279	1,434	1,029	2,783	913	801
IN	2,865	305	897	2,806	91	567	1,008	304	836	129	-
IA	1,871	456	361	1,877	99	955	-	451	372	234	69
KS	3,795	326	1,370	3,803	105	627	1,360	324	1,387	271	-
KY	1,241	180	517	1,303	119	437	-	178	569	127	85
LA	468	66	39	452	61	301	-	[illegible]	24	2	-
ME	806	98	195	800	16	22	471	[illegible]	203	13	-
MD	439	-	264	401	23	155	-	-	223	165	-
MA	798	81	354	836	12	39	312	82	391	16	20
MI	2,643	599	184	2,699	83	534	1,242	590	250	85	1
MN	3,529	436	356	3,555	87	855	1,798	441	374	119	-
MS	858	169	315	853	82	293	-	171	307	227	-
MO	3,117	557	1,195	3,147	114	930	325	561	1,217	155	145
MT	1,029	399	450	1,243	54	128	-	547	514	117	128
NE	3,324	1,069	1,157	3,152	93	534	454	952	1,119	110	427
NV	184	17	134	197	16	18	-	17	146	29	15
NH	517	160	113	524	10	13	221	160	120	9	15
NJ	1,591	548	454	1,625	21	320	247	551	486	16	172
NM	319	89	101	331	33	98	-	88	112	73	-
NY	3,249	726	923	3,302	57	618	929	720	978	2	898
NC	905	-	321	916	100	495	-	-	321	142	1
ND	2,795	325	692	2,787	53	366	1,355	310	703	83	279
OH	3,393	669	377	3,377	88	940	1,318	821	410	100	30
OK	1,702	638	406	1,802	77	591	-	636	498	110	17
OR	1,454	352	825	1,502	36	240	-	350	876	213	270
PA	5,198	514	2,050	4,956	66	1,022	1,548	515	1,805	5	1
RI	122	3	80	125	-	8	31	3	83	3	39
SC	645	92	242	707	46	269	-	92	300	46	86
SD	1,767	196	199	1,762	64	309	984	193	212	102	31
TN	913	15	469	904	94	334	-	14	462	124	-
TX	4,180	1,124	1,681	4,415	254	1,156	-	1,113	1,892	399	70
UT	504	40	211	530	29	225	-	40	236	71	13
VT	664	273	83	673	14	55	237	272	95	20	19
VA	407	-	83	430	95	229	-	-	106	43	-
WA	1,734	300	1,130	1,779	39	266	-	297	1,177	161	411
WV	633	55	292	630	55	230	-	55	290	15	-
WI	2,592	408	263	2,719	72	580	1,268	433	366	150	-
WY	395	56	225	424	23	95	-	56	250	114	44

- Represents zero. [1] Includes other types of governments not shown separately. [2] Includes "town" governments in the New England States and in Minnesota, New York, and Wisconsin.

Source: U.S. Bureau of the Census, *Census of Governments: 1982* and *1987, Vol. 1, No. 1, Government Organizatio*

No. 469. COUNTY, MUNICIPAL, AND TOWNSHIP GOVERNMENTS, 1987, AND THEIR POPULATION, 1986, BY POPULATION-SIZE GROUP

[Number of governments as of **January 1987**; population estimated as of **July 1986**. Township governments include "towns" in the 6 New England States, Minnesota, New York, and Wisconsin]

POPULATION-SIZE GROUP	COUNTY GOVERNMENTS			MUNICIPAL GOVERNMENTS			TOWNSHIP GOVERNMENTS		
	Number, 1987	Population, 1986		Number, 1987	Population, 1986		Number, 1987	Population, 1986	
		Number (1,000)	Percent		Number (1,000)	Percent		Number (1,000)	Percent
Total	**3,042**	**217,397**	**100.0**	**19,200**	**149,864**	**100.0**	**16,691**	**52,065**	**100.0**
250,000 or more	167	113,164	52.1	61	44,059	29.4	4	1,744	3.4
100,000-249,999	231	35,559	16.4	122	17,882	11.9	29	4,015	7.7
50,000-99,999	387	27,279	12.6	285	19,522	13.0	74	4,989	9.6
25,000-49,999	616	21,807	10.0	561	19,386	13.0	233	7,832	15.1
10,000-24,999	943	15,580	7.2	1,303	20,425	13.6	706	10,899	20.9
5,000-9,999	698	4,007	1.9	1,544	10,950	7.3	1,005	7,021	13.5
2,500-4,999				2,151	7,646	5.1	1,775	6,215	11.9
1,000-2,499				3,804	6,061	4.1	3,722	5,958	11.4
Less than 1,000				9,369	3,933	2.6	9,143	3,392	6.5

Source: U.S. Bureau of the Census, *Census of Governments: 1987, Vol. 1, No. 1, Government Organization.*

No. 470. COUNTY GOVERNMENTS—SUMMARY OF FINANCES, 1980 TO 1986, AND PER CAPITA, BY POPULATION-SIZE GROUP, 1986

[Covers fiscal years ending between **July 1** of preceding year and **June 30** of year stated. Represents all counties and their dependent agencies (including dependent school systems where applicable). Per capita based on estimated resident population as of **July 1986**]

ITEM	ALL COUNTIES (mil. dol.) [1]					PER CAPITA (dollars), 1986					
						All counties		Counties with 1986 population (1,000) of—			
	1980	1983	1984	1985	1986	Total (3,042) [2]	Percent distribution	Less than 100 [3] (2,655) [2]	100-199.9 (179) [2]	200-299.9 (75) [2]	300 or more (133) [2]
General revenue	**54,573**	**70,577**	**77,182**	**85,500**	**92,850**	**427.10**	**100.0**	**397.33**	**364.99**	**360.40**	**473.91**
Intergovernmental revenue [4]	24,746	27,773	29,779	32,614	34,791	160.03	37.5	146.00	131.84	134.25	180.89
From State government	18,969	22,756	24,690	26,716	29,490	135.65	31.8	124.72	111.38	112.15	153.06
From Federal government	4,948	4,048	4,047	4,708	3,954	18.19	4.3	16.55	15.86	17.75	19.94
General revenue sharing	1,746	1,736	1,723	1,749	1,714	7.88	1.8	9.60	7.21	6.30	7.17
Tax revenue [4]	18,813	25,218	27,901	30,898	34,062	156.68	36.7	132.25	137.19	124.91	183.36
Property	14,300	19,609	21,343	23,193	25,386	116.68	27.3	98.53	101.83	91.36	136.99
Charges and miscellaneous	11,014	17,587	19,502	21,988	23,997	110.39	25.8	119.11	95.93	101.24	109.66
General expenditure	**54,291**	**69,133**	**74,247**	**80,948**	**89,372**	**411.10**	**100.0**	**377.02**	**360.63**	**350.74**	**456.85**
Capital outlay	6,505	6,562	6,912	7,603	8,738	40.19	9.8	34.81	35.48	30.51	46.68
Other	47,786	62,572	67,335	73,345	80,634	370.91	90.2	342.21	325.15	320.23	410.17
Public welfare	8,591	10,442	11,276	12,237	13,236	60.88	14.8	33.26	46.73	66.50	81.90
Education	8,412	10,083	10,744	11,683	12,777	58.77	14.3	77.57	76.58	34.31	46.14
Highways	5,227	6,142	6,460	7,008	7,566	34.80	8.5	55.25	31.51	26.22	23.37
Hospitals	5,975	8,101	8,647	9,005	9,350	43.01	10.5	47.32	21.40	29.86	47.69
General control	3,374	4,826	5,119	5,566	6,195	28.50	6.9	23.43	24.46	26.22	33.29
Police protection	2,661	3,736	4,015	4,392	4,810	22.10	5.4	19.19	20.14	17.32	25.43
Financial administration	1,521	2,018	2,191	2,410	2,619	12.05	2.9	12.27	11.18	11.29	12.25
General public buildings	1,072	1,237	1,347	1,489	1,522	7.00	1.7	7.03	6.22	6.84	7.20
Health	2,806	4,098	4,341	4,794	5,395	24.82	6.0	21.41	25.13	26.93	26.66
Correction	1,759	2,766	3,118	3,466	4,045	18.61	4.5	(5)	(5)	(5)	(5)
Natural resources	687	789	854	1,033	1,077	4.95	1.2	4.52	2.58	1.95	6.35
Parks and recreation	1,094	1,351	1,390	1,506	1,775	8.16	2.0	3.94	5.19	5.21	12.25
Interest on general debt	1,542	3,235	4,004	4,652	5,475	25.18	6.1	21.24	22.32	21.33	29.22
Other and unallocable	9,570	10,309	10,741	11,709	13,531	62.24	15.1	50.59	67.19	76.76	105.09
Debt outstanding, end of year	**32,993**	**55,277**	**63,081**	**72,260**	**85,885**	**395.06**	**100.0**	**327.38**	**358.85**	**317.14**	**463.19**
Long-term	31,543	52,304	60,442	69,192	82,828	381.00	96.4	321.34	353.34	302.75	441.72
Short-term	1,450	2,973	2,638	3,068	3,058	14.06	3.6	6.03	5.51	14.39	21.48

[1] Data for counties under 100,000 population are estimates subject to sampling variation; see Appendix III and source. [2] Figures in parentheses represent number of counties in each size group. [3] Estimated. [4] Includes other revenues not shown separately. [5] Included in other and unallocable.

Source: U.S. Bureau of the Census, *County Government Finances*, series GF, No. 8, annual.

No. 471. City Governments—Summary of Finances: 1980 to 1986

[For fiscal years ending in year shown; see text, section 9. Data revised since originally published and may not agree, therefore, with table 474. Represents all municipalities and their dependent agencies (including dependent school systems where applicable); excludes other local governments overlying city areas. Includes sample-based estimates for cities of less than 50,000; thus subject to sampling variation. See Appendix III and source]

ITEM	TOTAL (mil. dol.)			PER CAPITA [1] (dol.)			PERCENT DISTRIBUTION		
	1980	1985	1986	1980	1985	1986	1980	1985	1986
Revenue	**94,862**	**147,672**	**158,886**	**672**	**1,007**	**1,080**	**100.0**	**100.0**	**100.0**
General revenue	76,056	114,649	122,100	539	781	815	80.2	77.6	76.8
Intergovernmental revenue	28,270	35,859	37,131	200	244	248	29.8	24.3	23.4
From State governments only	15,939	23,103	24,626	113	157	164	16.8	15.6	15.5
Taxes	31,256	47,647	50,859	222	325	339	32.9	32.3	32.0
Property	16,859	23,459	25,061	119	160	167	17.8	15.9	15.8
Percent of total taxes	53.9	49.2	49.3	(x)	(x)	(x)	(x)	(x)	(x)
Sales and gross receipts	8,208	13,877	14,644	58	95	98	8.7	9.4	9.2
General	5,096	8,569	9,021	36	58	60	5.4	5.8	5.7
Selective	3,112	5,307	5,623	22	36	38	3.3	3.6	3.5
Income, licenses and other	6,189	10,312	11,154	44	70	74	6.5	7.0	7.0
Charges and miscellaneous	16,530	31,142	34,110	117	212	228	17.4	21.1	21.5
Current charges only	9,875	16,514	18,072	70	113	121	10.4	11.2	11.4
Utility and liquor store revenue	15,719	26,471	27,822	111	180	186	16.6	17.9	17.5
Water system	4,989	8,504	9,203	35	58	61	5.3	5.8	5.8
Electric power system	8,007	13,363	14,204	57	91	95	8.4	9.0	8.9
Gas supply system	1,444	2,796	2,570	10	19	17	1.5	1.9	1.6
Transit system	1,032	1,548	1,578	7	11	11	1.1	1.0	1.0
Liquor stores	247	260	267	2	2	2	.3	.2	.2
Insurance trust revenue	3,088	6,552	8,965	22	45	60	3.3	4.4	5.6
Expenditure	**93,899**	**140,000**	**152,181**	**664**	**954**	**1,015**	**100.0**	**100.0**	**100.0**
General expenditure	72,433	105,652	114,864	513	720	766	77.3	75.5	75.5
Police protection	8,200	12,574	13,637	58	86	91	8.8	9.0	9.0
Fire protection	4,535	6,796	7,303	32	46	49	4.8	4.9	4.8
Highways	5,977	8,709	9,336	42	59	62	6.4	6.2	[illegible]
Sewerage and other sanitation	7,907	11,446	12,359	56	78	82	8.4	8.2	8.1
Public welfare	3,801	5,762	6,254	27	39	42	4.1	4.1	4.1
Education	9,284	11,433	12,361	66	78	82	9.9	8.2	8.1
Libraries	883	1,304	1,446	6	9	10	.9	.9	1.0
Health and hospitals	4,457	6,575	7,056	32	45	47	4.8	4.7	4.6
Parks and recreation	3,433	4,993	5,430	24	34	36	3.7	3.6	3.6
Housing and community development	3,459	5,105	5,556	25	35	37	3.7	3.6	3.7
Airports	1,100	1,694	1,976	8	12	13	1.2	1.2	1.3
Financial administration	1,843	2,703	3,059	13	18	20	2.0	1.9	2.0
General control	2,015	3,401	3,758	14	23	25	2.2	2.4	2.5
General public buildings	1,090	1,483	1,433	8	10	10	1.2	1.1	.9
Interest on general debt	3,054	6,859	8,097	22	47	54	3.3	4.9	5.3
Other and unallocable	11,395	14,814	15,806	81	101	105	12.2	10.6	10.4
Utility and liquor store expenditure	18,274	29,534	32,141	130	201	214	19.5	21.1	21.1
Water system	5,933	9,601	10,641	42	65	71	6.3	6.9	7.0
Electric power system	8,596	13,588	14,978	61	93	100	9.2	9.7	9.8
Gas supply system	1,334	2,724	2,582	9	19	17	1.4	1.9	1.7
Transit system	2,189	3,381	3,698	16	23	25	2.3	2.4	2.4
Liquor stores	222	240	243	2	2	2	.2	.2	.2
Insurance trust expenditure	2,993	4,814	5,175	21	33	35	3.2	3.4	3.4
By character and object:									
Direct expenditure	91,892	136,601	147,961	650	931	987	97.9	97.6	97.2
Current operation	66,867	99,301	106,330	473	677	709	71.2	70.9	69.9
Capital outlay	16,285	21,374	23,878	115	146	159	17.4	15.3	15.7
Construction	13,341	16,638	17,693	95	113	118	14.2	11.9	11.6
Land and existing structures [2]	2,944	4,736	6,185	21	32	41	3.1	3.4	4.1
Assistance payments	1,546	2,060	2,093	11	14	14	1.6	1.5	1.4
Interest on debt	4,182	9,052	10,485	30	62	70	4.5	6.5	6.9
Insurance benefits, repayments	2,992	4,814	5,175	21	33	35	3.2	3.4	3.4
Intergovernmental expenditure	2,007	3,399	4,220	14	23	28	2.1	2.4	2.8
Total salaries and wages [3]	*34,709*	*48,050*	*51,837*	*246*	*328*	*346*	*37.0*	*34.3*	*34.1*
Debt outstanding, year end	**86,019**	**141,139**	**164,796**	**610**	**961**	**1,099**	**100.0**	**100.0**	**100.0**
Long-term	82,346	135,912	159,142	584	926	1,062	95.7	96.3	96.6
Full faith and credit	39,570	46,345	51,583	280	316	344	46.0	32.8	31.3
Nonguaranteed	42,776	89,567	107,560	303	611	718	49.7	63.5	65.3
Short-term	3,673	5,227	5,654	26	36	38	4.3	3.7	3.4
Net long-term debt outstanding	72,528	124,516	144,075	514	849	961	84.3	88.2	87.4
Long-term debt issued	12,582	25,683	41,198	89	175	275	(x)	(x)	(x)
Long-term debt retired	5,541	11,397	18,060	39	78	120	(x)	(x)	(x)

X Not applicable. [1] 1980 based on enumerated resident population as of April 1, 1980; 1985 and 1986 based on estimated resident population as of July 1, 1984 and 1986 respectively. [2] Includes equipment. [3] Included in items shown above.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF No. 4, annual.

No. 472. City Governments—Total and Per Capita Revenue, Expenditure, and Debt for Largest Cities: 1986

[For fiscal year closed in the 12 months ending June 30, 1986. Cities ranked by size of population estimated as of July 1, 1986, except Honolulu and Baton Rouge ranked by county population. Data reflect inclusion of fiscal activity of dependent school systems, where applicable. Intercity comparisons should be made with caution due to variations in responsibilities among urban areas; for details see text, section 9 and source]

CITIES RANKED BY 1986 POPULATION	GENERAL REVENUE		INTERGOVERNMENTAL REVENUE		TAXES		GENERAL EXPENDITURE		GROSS DEBT OUTSTANDING	
	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)
New York City, NY [2]	24,333	3,350	9,616	1,324	11,241	1,548	22,253	3,064	15,717	2,164
Los Angeles, CA	2,538	779	510	156	1,266	388	2,135	655	4,368	1,340
Chicago, IL	2,275	756	638	212	1,192	396	2,211	735	2,904	965
Houston, TX	1,262	730	145	84	611	354	1,219	705	2,589	1,498
Philadelphia, PA [2]	2,101	1,279	516	314	1,231	749	1,923	1,170	3,128	1,904
Detroit, MI	1,456	1,341	698	642	515	474	1,194	1,099	1,058	974
San Diego, CA	713	702	176	173	242	238	584	575	1,362	1,342
Dallas, TX	736	733	119	118	412	411	619	617	972	969
San Antonio, TX	465	509	89	98	148	162	468	512	2,700	2,953
Phoenix, AZ	763	854	266	297	215	241	794	888	1,761	1,970
Honolulu, HI [2]	503	615	119	145	296	362	485	594	425	521
Baltimore, MD [2]	1,425	1,892	734	975	498	661	1,195	1,588	1,252	1,663
San Francisco, CA [2]	1,857	2,480	628	838	646	862	1,463	1,954	1,824	2,435
Indianapolis, IN [2]	592	823	213	296	227	315	538	748	488	679
San Jose, CA	495	695	88	123	239	336	478	671	724	1,016
Memphis, TN	686	1,051	424	650	144	221	622	954	825	1,264
Washington, DC [2]	3,107	4,963	1,039	1,660	1,717	2,743	3,040	4,856	2,664	4,255
Jacksonville, FL [2]	635	1,041	114	187	149	244	434	711	3,086	5,058
Milwaukee, WI	499	824	243	402	128	212	432	714	557	921
Boston, MA [2]	1,221	2,129	585	1,019	448	781	977	1,704	689	1,202
Columbus, OH	371	655	72	128	185	327	350	619	905	1,599
New Orleans, LA [2]	566	1,021	129	232	237	428	549	990	903	1,628
Cleveland, OH	446	833	135	253	219	409	450	840	487	909
Denver, CO [2]	786	1,556	171	339	291	577	711	1,407	1,106	2,190
El Paso, TX	222	451	51	103	75	153	192	390	367	786
Seattle, WA	472	971	94	194	228	468	425	874	704	1,448
Nashville-Davidson, TN [2]	677	1,430	153	324	323	681	646	1,365	1,886	3,982
Austin, TX	439	940	53	114	138	295	472	1,013	1,814	3,889
Oklahoma City, OK	315	705	35	78	124	278	253	565	368	826
Kansas City, MO	462	1,047	71	162	247	560	425	962	456	1,034
Fort Worth, TX	283	660	38	88	135	314	258	601	628	1,462
St. Louis, MO [2]	469	1,100	89	209	257	602	434	1,017	483	1,133
Atlanta, GA	526	1,252	125	296	155	368	438	1,038	1,060	2,511
Long Beach, CA	475	1,197	94	237	125	317	452	1,141	519	1,311
Portland, OR	298	768	62	161	132	340	308	794	561	1,446
Pittsburgh, PA	324	836	90	231	195	502	314	810	447	1,152
Miami, FL	274	733	57	152	163	437	253	675	263	702
Tulsa, OK	360	963	32	85	139	373	336	899	1,298	3,472
Cincinnati, OH	370	1,001	82	222	161	435	353	954	197	533
Baton Rouge, LA [2]	322	873	77	209	132	357	278	752	642	1,739
Albuquerque, NM	393	1,071	145	396	81	221	360	981	938	2,556
Tucson, AZ	301	839	110	308	103	287	291	810	808	2,250
Oakland, CA	378	1,059	74	206	144	403	346	970	1,042	2,918
Minneapolis, MN	617	1,730	163	457	128	358	451	1,263	1,936	5,425
Charlotte, NC	249	706	68	194	95	271	217	617	419	1,190
Omaha, NE	193	562	46	131	108	309	189	540	177	506
Toledo, OH	200	586	39	113	110	322	181	532	185	544
Virginia Beach, VA [2]	408	1,224	151	454	198	595	386	1,158	347	1,040
Buffalo, NY	526	1,620	350	1,079	109	336	518	1,595	260	800
Sacramento, CA	192	593	32	100	96	295	189	584	150	462
Newark, NJ	314	993	196	621	67	212	280	885	141	446
Wichita, KS	234	811	37	130	65	227	221	767	420	1,458
Louisville, KY	185	643	40	140	100	347	176	613	609	2,119
Fresno, CA	152	533	36	128	65	228	143	503	207	727
Tampa, FL	222	799	50	180	80	288	265	955	661	2,380
Birmingham, AL	222	801	37	132	121	435	218	786	486	1,750
Norfolk, VA [2]	387	1,409	152	553	156	569	410	1,491	414	1,506
Colorado Springs, CO	213	781	28	104	73	269	155	567	275	1,007
Corpus Christi, TX	141	533	26	97	64	244	143	541	353	1,339
St. Paul, NM	272	1,031	84	317	71	269	300	1,139	908	3,445
Mesa, AZ	135	537	37	148	38	149	145	576	378	1,504
Arlington, TX	108	432	8	32	57	229	120	480	369	1,476
Anaheim, CA	160	666	27	110	61	254	175	728	537	2,230
St. Petersburg, FL	140	585	29	121	47	195	127	531	217	906
Santa Ana, CA	134	584	29	121	66	280	168	708	409	1,729
Rochester, NY	389	1,650	216	917	125	528	406	1,720	209	886
Anchorage, AK [2]	642	2,733	294	1,250	136	579	681	2,898	914	3,888
Akron, OH	185	835	57	256	80	359	166	748	135	606
Shreveport, LA	132	600	15	69	74	334	134	606	310	1,405
Jersey City, NJ	386	1,758	222	1,013	86	392	392	1,787	134	613
Aurora, CO	124	567	11	52	80	368	99	456	486	2,230
Richmond, VA [2]	398	1,830	159	731	191	876	417	1,916	400	1,840
Lexington-Fayette, KY [2]	148	694	35	163	74	346	140	654	363	1,700
Jackson, MS	118	565	54	261	31	149	123	591	226	1,084
Mobile, Al	138	681	11	56	68	336	102	504	526	2,509

[1] Based on estimated population as of July 1, 1986. [2] Represents, in effect, city-county consolidated government.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF86, No. 4, annual.

No. 473. City Governments—Finances,

[In millions of dollars. For fiscal year closed

CITIES RANKED BY 1986[1] POPULATION	REVENUE									Gross debt outstanding
	Total[2]	General revenue							Utility revenue	
		Total[2]	Intergovernmental revenue		Taxes					
			From State and local govt's.	From Federal Government	Total[2]	Property	Sales and gross receipts			
New York City, NY[3]	29,399	24,333	8,293.5	1,322.9	11,240.8	4,640.8	2,756.3		1,527.4	15,717
Los Angeles, CA	4,800	2,538	328.4	181.5	1,266.2	441.1	575.6		1,552.3	4,388
Chicago, IL	2,829	2,275	346.8	291.1	1,191.9	408.1	652.0		174.3	2,904
Houston, TX	1,620	1,262	51.4	93.3	611.2	349.8	245.3		153.3	2,589
Philadelphia, PA[3]	2,725	2,101	351.5	164.3	1,231.3	243.5	25.0		560.9	3,128
Detroit, MI	1,906	1,456	546.2	151.6	515.1	177.6	56.5		131.9	1,058
San Diego, CA	869	713	106.8	68.8	241.7	84.2	134.9		87.8	1,382
Dallas, TX	926	736	89.3	29.6	412.5	215.7	181.8		106.4	972
San Antonio, TX	1,351	465	23.1	66.2	148.1	71.3	70.9		864.8	2,700
Phoenix, AZ	871	763	182.2	83.5	215.1	74.8	126.3		74.3	1,761
Honolulu, HI[3]	561	503	24.6	94.1	295.8	242.9	31.7		58.7	425
Baltimore, MD[3]	1,624	1,425	610.2	124.1	497.8	333.2	36.7		41.5	1,252
San Francisco, CA[3]	2,411	1,857	495.6	132.3	645.8	335.3	151.0		211.1	1,824
Indianapolis, IN[3]	614	592	147.2	65.5	227.1	196.1	12.6		8.3	488
San Jose, CA	564	495	58.8	28.8	239.3	83.1	105.5		5.6	724
Memphis, TN	1,475	686	375.2	48.8	144.1	106.5	26.6		694.5	825
Washington, DC[3]	3,445	3,107	34.3	1,004.8	1,717.2	484.1	526.8		51.7	2,684
Jacksonville, FL[3]	1,173	635	70.0	44.3	148.9	107.9	32.8		495.0	3,086
Milwaukee, WI	634	499	206.8	36.4	128.2	120.4	2.4		34.7	557
Boston, MA[3]	1,321	1,221	518.4	66.3	448.1	397.3	31.3		28.4	689
Columbus, OH	438	371	38.1	34.4	185.1	14.6	3.6		67.4	905
New Orleans, LA[3]	634	566	46.0	82.8	237.1	89.9	135.5		44.3	903
Cleveland, OH	562	446	48.1	87.2	219.2	43.4	1.9		115.6	487
Denver, CO[3]	887	786	134.6	36.8	291.2	90.1	177.4		68.4	1,106
El Paso, TX	270	222	6.8	44.0	75.3	41.1	31.5		28.2	387
Seattle, WA	774	472	64.3	30.1	227.7	71.9	103.8		261.7	704
Nashville-Davidson, TN[3]	1,178	677	125.3	28.1	322.6	165.7	130.4		462.2	1,886
Austin, TX	880	439	21.5	31.5	137.7	73.1	57.6		403.5	1,814
Oklahoma City, OK	350	315	5.8	29.1	124.2	20.4	99.5		27.4	388
Kansas City, MO	536	462	26.6	44.8	247.2	31.0	115.1		33.4	456
Fort Worth, TX	368	283	9.7	28.0	135.0	77.9	51.7		54.7	628
St. Louis, MO[3]	546	469	28.9	60.3	256.7	33.5	115.5		19.7	483
Atlanta, GA	639	528	65.1	59.7	155.1	78.2	51.6		59.7	1,000
Long Beach, CA	621	475	58.5	35.3	125.4	48.9	63.0		145.2	519
Portland, OR	334	298	38.6	23.9	131.8	94.7	23.3		33.1	561
Pittsburgh, PA	338	324	53.9	35.7	194.7	90.4	15.7		-	447
Miami, FL	319	274	32.3	24.4	163.4	102.1	47.5		-	283
Tulsa, OK	404	360	13.6	18.1	139.3	15.9	125.9		34.9	1,288
Cincinnati, OH	507	370	40.4	41.8	160.9	33.0	1.6		38.2	197
Baton Rouge, LA[3]	357	322	42.4	34.7	131.8	35.7	87.9		3.0	642
Albuquerque, NM	430	393	90.1	55.1	81.1	36.6	40.1		37.2	938
Tucson, AZ	370	301	78.3	32.2	102.9	14.9	82.2		51.5	808
Oakland, CA	403	378	46.7	26.9	143.8	64.0	51.4		-	1,042
Minneapolis, MN	747	617	111.4	51.8	127.8	107.5	12.4		22.4	1,936
Charlotte, NC	280	249	47.6	20.6	95.3	91.4	-		22.4	419
Omaha, NE	215	193	22.5	23.2	107.8	50.3	50.1		-	177
Toledo, OH	217	200	20.3	18.3	109.8	10.9	.6		17.6	186
Virginia Beach, VA[3]	430	408	135.8	15.6	198.5	119.2	57.5		21.6	347
Buffalo, NY	542	526	276.9	73.6	109.1	96.6	9.4		15.6	280
Sacramento, CA	244	192	24.4	7.8	95.6	29.9	52.2		13.7	150
Newark, NJ	345	314	162.6	33.9	67.1	43.9	6.5		29.1	141
Wichita, KS	251	234	22.4	15.0	65.4	46.3	16.7		16.8	420
Louisville, KY	248	185	8.6	31.6	99.7	29.6	12.7		43.9	[illegible]
Fresno, CA	201	152	28.2	8.3	64.8	22.5	33.7		13.3	207
Tampa, FL	289	222	27.6	22.3	79.8	27.2	46.0		23.1	661
Birmingham, AL	254	222	17.0	19.6	120.8	19.2	43.7		-	[illegible]
Norfolk, VA[3]	440	387	124.2	27.9	156.5	80.9	58.1		24.3	414
Colorado Springs, CO	468	213	16.6	11.8	73.4	12.7	59.4		253.4	275
Corpus Christi, TX	190	141	8.5	17.0	64.5	36.7	26.7		49.7	353
St. Paul, MN	329	272	59.4	24.1	70.9	51.4	16.3		19.2	[illegible]
Mesa, AZ	189	135	30.9	6.3	37.5	2.6	31.9		54.3	378
Arlington, TX	133	108	1.4	6.6	57.3	29.2	26.2		25.3	360
Anaheim, CA	358	160	20.9	5.6	61.3	24.5	46.2		197.6	537
St. Petersburg, FL	184	140	16.4	12.5	46.7	24.5	20.1		30.5	217
Santa Ana, CA	147	134	21.6	7.1	66.3	24.7	32.9		13.3	408
Rochester, NY	410	389	180.7	35.8	124.6	104.8	9.6		20.6	[illegible]
Anchorage, AK[3]	738	642	278.6	15.2	136.1	120.7	3.5		72.2	914
Akron, OH	204	185	19.1	37.8	79.8	12.0	.2		18.2	136
Shreveport, LA	153	132	5.3	9.8	73.7	27.1	42.5		14.2	310
Jersey City, NJ	409	386	169.1	53.3	86.1	83.9	-		18.5	134

- Represents zero. Z Less than $50,000. [1] Based on estimated resident population as of July 1, 1986.
[2] Includes other categories, not shown seperately. [3] Represents, in effect, city-county consolidated government.

ARGEST CITIES: 1986

the 12 months ending **June 30, 1986. See headnote, table 472]**

EXPENDITURE										
	General expenditure									
otal [2]	Total [2]	Education	Housing and community development	Public welfare	Health and hospitals	Police protection	Fire protection	Highways	Utility expenditure	CITIES RANKED BY 1986 [1] POPULATION
7,092	22,253	4,717.1	1,408.2	4,588.0	2,338.3	1,279.0	590.0	592.0	2,862.2	New York City, NY [3]
4,175	2,135	7.4	162.0	-	4.9	426.3	177.1	107.2	1,615.2	Los Angeles, CA
2,567	2,211	30.3	138.5	80.5	53.6	485.1	182.3	159.3	134.0	Chicago, IL
1,469	1,219	-	15.6	-	37.0	207.5	132.0	99.3	210.4	Houston, TX
2,690	1,923	15.8	99.9	114.4	160.9	251.9	97.0	58.1	591.1	Philadelphia, PA [3]
1,592	1,194	5.5	99.1	-	74.6	214.4	62.7	123.9	218.5	Detroit, MI
745	584	-	62.1	(Z)	.2	90.1	40.8	34.5	121.3	San Diego, CA
850	619	-	10.8	-	9.4	114.3	62.3	66.4	181.4	Dallas, TX
1,541	468	3.9	13.0	3.4	22.7	57.2	29.5	31.6	1,064.8	San Antonio, TX
928	794	5.7	41.1	.5	.4	105.4	49.9	122.2	123.1	Phoenix, AZ
609	485	-	36.9	-	5.8	68.6	31.1	35.0	123.9	Honolulu, HI [3]
1,304	1,195	378.6	42.8	.5	39.7	125.2	60.6	68.3	57.4	Baltimore, MD [3]
1,968	1,463	38.5	43.7	174.6	295.9	118.4	66.6	15.7	349.8	San Francisco, CA [3]
607	538	.4	28.8	54.8	108.6	53.4	23.1	30.6	45.8	Indianapolis, IN [3]
502	478	-	81.1	-	-	61.7	36.9	38.9	6.9	San Jose, CA
1,360	622	292.4	18.3	(Z)	12.3	54.2	45.4	15.4	607.9	Memphis, TN
3,349	3,040	501.9	170.6	526.6	282.0	212.0	72.0	91.6	59.3	Washington, DC [3]
1,355	434	(Z)	35.5	8.0	26.3	49.7	32.9	28.3	808.2	Jacksonville, FL [3]
512	432	-	31.4	-	14.8	84.3	41.5	46.9	32.7	Milwaukee, WI
1,140	977	307.0	56.8	2.4	122.0	87.2	61.1	24.4	28.2	Boston, MA [3]
427	350	-	10.8	-	14.9	67.6	39.0	35.7	77.2	Columbus, OH
610	549	-	37.9	12.3	8.8	65.5	31.7	37.6	39.3	New Orleans, LA [3]
603	450	-	42.6	.9	13.0	99.6	53.0	32.9	153.2	Cleveland, OH
821	711	-	9.8	83.8	93.7	83.2	40.7	32.1	100.7	Denver, CO [3]
241	192	.1	2.8	.2	7.5	28.9	16.9	23.2	41.8	El Paso, TX
752	425	-	28.3	-	6.3	58.4	38.0	17.2	282.6	Seattle, WA
1,193	646	213.1	7.3	6.7	50.7	42.5	22.6	26.1	515.4	Nashville-Davidson, TN [3]
1,047	472	.7	9.4	.8	93.3	41.0	23.8	32.7	563.5	Austin, TX
293	253	-	15.4	-	40.1	28.5	23.5	13.5	35.7	Oklahoma City, OK
476	425	21.0	13.1	-	27.8	65.6	29.9	39.2	35.4	Kansas City, MO
345	258	-	5.5	-	6.0	35.1	25.9	37.2	74.4	Fort Worth, TX
484	434	3.1	33.5	2.2	43.8	75.2	22.4	26.7	20.8	St Louis, MO [3]
561	438	24.1	16.2	3.7	.2	40.9	28.8	22.1	55.9	Atlanta, GA
620	452	2.1	54.5	-	6.9	65.2	39.7	20.6	167.3	Long Beach, CA
369	308	-	11.7	-	14.8	49.4	35.1	18.6	37.5	Portland, OR
354	314	-	20.5	(Z)	6.2	46.9	35.1	26.3	13.7	Pittsburgh, PA
274	253	.2	14.2	1.9	.5	56.6	33.8	17.0	-	Miami, FL
405	336	.1	6.9	-	3.7	37.0	25.5	42.5	67.0	Tulsa, OK
419	353	-	40.4	-	24.5	47.6	36.8	25.4	36.7	Cincinnati, OH
296	278	-	4.4	.7	18.6	24.4	13.5	18.2	5.1	Baton Rouge, LA [3]
420	360	-	13.9	-	3.9	39.0	12.7	27.0	60.5	Albuquerque, NM
360	291	-	16.7	3.7	-	37.2	20.9	44.9	65.6	Tucson, AZ
380	346	1.5	25.4	-	.5	47.5	29.4	15.8	-	Oakland, CA
528	451	-	67.5	-	7.8	38.5	24.1	39.1	19.5	Minneapolis, MN
273	217	-	10.6	.1	1.4	25.7	18.9	27.5	54.3	Charlotte, NC
195	189	.1	8.6	-	.4	25.7	19.6	28.7	-	Omaha, NE
199	181	-	7.7	-	4.0	40.6	26.1	18.2	18.3	Toledo, OH
412	386	186.0	.3	8.7	8.8	24.4	13.8	30.8	25.8	Virginia Beach, VA [3]
533	518	233.2	51.7	-	.9	33.0	26.8	22.5	15.0	Buffalo, NY
216	189	-	2.4	-	-	42.2	25.7	30.4	12.5	Sacramento, CA
302	280	-	29.4	33.7	5.4	41.0	30.2	1.1	15.5	Newark, NJ
239	221	-	.2	-	1.7	17.9	10.3	10.7	18.5	Wichita, KS
220	176	-	8.4	6.4	6.5	29.8	18.8	6.4	46.2	Louisville, KY
184	143	-	3.9	-	2.3	34.5	16.9	16.1	24.4	Fresno, CA
310	265	-	5.8	-	(Z)	31.3	16.2	14.1	26.0	Tampa, FL
229	218	3.3	10.8	-	1.7	23.0	21.0	22.8	-	Birmingham, AL
444	410	145.0	34.9	21.6	22.7	22.9	17.9	18.3	26.1	Norfolk, VA [3]
396	155	-	.6	.6	46.9	19.5	11.5	15.3	241.6	Colorado Springs, CO
196	143	-	1.2	.2	4.4	16.3	10.5	16.4	51.9	Corpus Christi, TX
325	300	-	20.0	-	5.5	24.3	18.8	33.4	14.6	St. Paul, MN
231	145	-	4.8	.1	-	22.1	14.0	21.8	88.1	Mesa, AZ
157	120	-	.1	4.5	1.2	13.1	10.7	25.3	36.6	Arlington, TX
381	175	-	33.7	-	-	27.9	13.6	9.8	205.9	Anaheim, CA
177	127	-	4.2	-	-	25.0	10.1	11.2	40.2	St. Petersburg, FL
183	168	-	58.4	-	1.9	31.5	14.0	14.6	14.9	Santa Ana, CA
423	406	187.9	16.3	-	-	27.9	20.6	27.1	16.7	Rochester, NY
819	681	271.5	-	9.7	18.8	34.2	28.8	36.4	135.6	Anchorage, AK [3]
189	166	-	27.3	-	3.9	21.3	18.3	22.6	22.4	Akron, OH
165	134	-	3.9	-	(Z)	13.9	14.7	21.2	24.2	Shreveport, LA
409	392	149.9	14.6	5.0	74.5	38.2	26.0	5.9	13.4	Jersey City, NJ

urce: U.S. Bureau of the Census, *City Government Finances*, series GF, No. 4, annual.

No. 474. City Governments—Finances, by Population-Size Groups: 1986

[For fiscal year closed in the 12 months ending June 30, 1986. Represents all municipalities and their dependent agenc
including dependent school systems where applicable]

ITEM	All cities [1]	CITIES HAVING A 1986 POPULATION OF— Less than 50,000 [1]	50,000 to 99,999	100,000 to 199,999	200,000 to 299,999	300,000 to 499,999	500,000 to 999,999
Number of cities, 1986	19,200	18,769	248	108	24	27	18
Population, 1986 (1,000)	149,890	70,446	17,504	14,721	5,902	10,521	10,788
FINANCES, 1986 (mil. dol.)							
General revenue [2]	**122,049**	**33,919**	**11,653**	**11,326**	**5,263**	**10,056**	**14,417**
Taxes [2]	50,873	12,832	4,959	4,628	1,944	4,011	5,768
Property	25,061	7,341	2,995	2,800	895	1,678	2,791
Percent of total taxes	49.3	57.2	60.4	60.5	46.0	41.8	48.2
Sales and gross receipts	14,657	3,632	1,388	1,334	681	1,522	1,473
Intergovernmental [2]	37,117	9,018	3,071	3,372	1,658	2,532	5,049
From State governments	24,626	5,526	2,024	2,216	1,104	1,366	2,736
From Federal Government	9,813	2,356	873	868	449	928	2,036
Revenue sharing	2,358	857	244	232	104	202	217
Current charges	18,072	6,198	1,966	1,800	931	1,693	1,851
Water supply and other utilities revenue [3]	27,822	12,077	2,447	3,259	1,045	1,836	2,864
General expenditure [2]	**114,864**	**32,446**	**11,364**	**11,260**	**5,427**	**9,244**	**12,986**
Police and fire protection	20,941	6,882	2,478	2,275	949	1,837	2,107
Education	12,361	1,641	1,207	1,812	912	685	1,528
Sewerage and sanitation	12,359	4,782	1,201	1,183	502	1,101	1,318
Highways	9,337	4,244	1,096	972	406	692	696
Health and hospitals	7,055	1,707	557	456	213	384	1,060
Public welfare	6,254	182	67	201	91	62	868
Housing and community development	5,556	882	636	537	285	519	701
Interest on general debt	8,097	2,466	877	828	511	977	918
Water supply and other utilities expenditure [3]	32,142	12,692	2,745	3,458	1,215	2,240	3,858
Gross debt outstanding	**164,796**	**51,437**	**17,896**	**14,907**	**9,949**	**18,113**	**20,397**
Long-term	159,142	50,202	17,141	14,387	9,658	17,780	19,622
Short-term	5,654	1,233	756	520	291	334	775
PERCENT DISTRIBUTION							
General revenue [2]	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Taxes [2]	41.7	37.8	42.6	40.9	36.9	39.9	40.1
Property	20.5	21.6	25.7	24.7	17.0	16.7	19.4
Sales and gross receipts	12.0	10.7	11.9	11.8	12.9	15.1	10.2
Intergovernmental	30.4	26.6	26.4	29.8	31.5	25.2	35.0
Current charges	14.8	18.3	16.9	15.9	17.7	16.8	12.8
General expenditure [2]	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Police and fire protection	18.2	21.2	21.8	20.2	17.5	19.9	16.2
Education	10.8	5.1	10.6	14.3	16.8	7.4	11.8
Sewerage and sanitation	10.8	14.7	10.6	10.5	9.3	11.9	10.1
Highways	8.1	13.1	9.6	8.6	7.5	7.5	5.3
Health and hospitals	6.1	5.3	4.9	4.0	3.9	4.2	8.2
Public welfare	5.4	.6	.6	1.8	1.7	.7	6.7
Housing and community development	4.8	2.7	5.6	4.8	5.3	5.6	5.4
Interest on general debt	7.0	7.7	7.7	7.4	9.4	10.6	7.1
PER CAPITA [4] (dollars)							
General revenue [2]	**814**	**481**	**666**	**769**	**892**	**956**	**1,336**
Taxes [2]	339	182	283	314	329	381	537
Property	167	104	171	190	152	159	259
Sales and gross receipts	98	52	79	91	115	145	137
Intergovernmental [2]	248	128	175	229	281	241	468
From State governments	164	78	116	151	187	130	254
From Federal Government	65	33	50	59	76	88	189
Revenue sharing	16	12	14	16	18	19	20
Current charges	121	88	112	122	158	161	172
Water supply and other utilities revenue [3]	186	171	140	221	177	175	265
General expenditure [2]	**766**	**461**	**649**	**765**	**920**	**879**	**1,204**
Police and fire protection	140	98	142	155	161	175	195
Education	82	23	69	110	155	65	142
Sewerage and sanitation	82	68	69	80	85	105	122
Highways	62	60	63	66	69	66	64
Health and hospitals	47	24	32	31	36	36	98
Public welfare	42	3	4	14	15	6	80
Housing and community development	37	13	36	36	48	49	65
Interest on general debt	54	35	50	56	87	93	85
Water supply and other utilities expenditure [3]	214	180	157	235	206	213	358
Gross debt outstanding	**1,099**	**730**	**1,022**	**1,013**	**1,686**	**1,722**	**1,891**
Long-term	1,062	713	979	977	1,636	1,690	1,819
Short-term	38	18	43	35	49	32	72

[1] Data are estimates subject to sampling variation, see source and Appendix III. [2] Includes items not shown sepa
[3] Includes liquor stores. [4] Based on estimated resident population as of July 1, 1986.

Source: U.S. Bureau of the Census, *City Government Finances,* series GF86, No. 4, annual.

No. 475. Estimated State and Local Taxes Paid by a Family of Four in Selected Large Cities, by Income Level: 1987

[Preliminary. Data based on average family of four (two wage earners and two school age children) owning their own home and living in a city where taxes apply. Comprises State and local sales, income, auto, and real estate taxes. For definition of median, see Guide to Tabular Presentation]

CITY	TOTAL TAXES PAID BY GROSS FAMILY INCOME LEVEL (dol.)					PERCENT OF INCOME BY INCOME LEVEL				
	$20,000	$35,000	$50,000	$75,000	$100,000	$20,000	$35,000	$50,000	$75,000	$100,000
Albuquerque, NM	1,504	2,594	4,056	6,448	8,996	7.5	7.4	8.1	8.6	9.0
Atlanta, GA	1,897	3,388	5,283	7,946	10,365	9.5	9.7	10.5	10.6	10.4
Baltimore, MD	2,148	3,767	5,669	8,525	11,236	10.7	10.8	11.3	11.4	11.2
Bridgeport, CT	2,742	4,374	6,514	9,566	12,019	13.7	12.5	13.0	12.8	12.0
Burlington, VT	1,570	2,709	4,225	7,035	9,895	7.8	7.7	8.4	9.4	9.9
Charleston, WV	1,560	2,695	4,393	7,043	9,565	7.8	7.7	8.8	9.4	9.6
Charlotte, NC	1,663	2,887	4,562	6,920	9,196	8.3	8.2	9.1	9.2	9.2
Chicago, IL	1,707	2,821	4,150	6,006	7,748	8.5	8.1	8.3	8.0	7.7
Cleveland, OH	1,832	3,260	4,940	7,682	10,567	9.2	9.3	9.9	10.2	10.6
Columbia, SC	1,566	2,918	4,739	7,282	9,620	7.8	8.3	9.5	9.7	9.6
Des Moines, IA	2,027	3,586	5,569	8,410	11,041	10.1	10.2	11.1	11.2	11.0
Detroit, MI	2,400	4,102	6,139	9,280	12,282	12.0	11.7	12.3	12.4	12.3
Honolulu, HI	1,905	3,380	5,240	8,012	10,700	9.5	9.7	10.5	10.7	10.7
Indianapolis, IN	1,648	2,672	3,936	5,831	7,441	8.2	7.6	7.9	7.8	7.4
Jackson, MS	1,508	2,685	4,300	6,546	8,529	7.5	7.7	8.6	8.7	8.5
Louisville, KY	1,800	3,104	4,610	6,733	8,652	9.0	8.9	9.2	9.0	8.7
Memphis, TN	1,601	2,366	3,222	4,536	5,788	8.0	6.8	6.4	6.0	5.8
Milwaukee, WI	2,542	4,671	7,009	10,620	13,946	12.7	13.3	14.0	14.2	13.9
Newark, NJ	2,706	4,711	6,906	10,474	13,707	13.5	13.5	13.8	14.0	13.7
New York City, NY	1,913	3,932	6,462	10,199	13,950	9.6	11.2	12.9	13.6	13.9
Norfolk, VA	1,619	2,757	4,283	7,051	8,542	8.1	7.9	8.6	9.4	8.5
Omaha, NE	1,642	2,714	4,237	6,648	8,977	8.2	7.8	8.5	8.9	9.0
Philadelphia, PA	2,527	4,173	5,799	8,446	10,924	12.6	11.9	11.6	11.3	10.9
Portland, ME	1,570	3,055	5,140	8,625	12,903	7.9	8.7	10.3	11.5	12.9
Portland, OR	2,281	4,008	6,163	9,558	12,643	11.4	11.5	12.3	12.7	12.6
Providence, RI	2,297	3,865	6,166	9,840	13,224	11.5	11.0	12.3	13.1	13.2
St. Louis, MO	1,557	2,607	3,998	5,816	7,213	7.8	7.4	8.0	7.8	7.2
Salt Lake City, UT	1,866	3,304	5,168	7,766	10,279	9.3	9.4	10.3	10.4	10.3
Sioux Falls, SD	1,912	2,903	3,991	5,558	6,950	9.6	8.3	8.0	7.4	6.9
Washington, DC	2,086	3,797	5,623	8,726	11,935	10.4	10.8	11.2	11.6	11.9
Median [1]	1,568	2,709	4,225	6,648	8,884	7.8	7.7	8.4	8.9	8.9

[1] Median of all 51 cities. For complete list of cities, see table 476.

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Rates and Tax Burdens in the District of Columbia: a Nationwide Comparison.*

No. 476. Residential Property Tax Rates in Selected Large Cities: 1987

CITY	EFFECTIVE TAX RATE PER $100		Assessment level (percent)	Nominal rate per $100
	Rank	Rate		
Newark, NJ	1	4.20	31.7	13.26
Detroit	2	4.09	49.9	8.20
Milwaukee	3	3.48	96.7	3.60
Des Moines	4	2.96	77.4	3.82
Bridgeport	5	2.95	46.6	6.33
Portland, OR	6	2.75	100.0	2.75
Baltimore	7	2.68	43.2	6.21
Providence	8	2.58	35.6	7.25
Philadelphia	9	2.54	34.0	7.48
Sioux Falls	10	2.32	35.3	6.59
Omaha	11	2.18	85.6	2.55
Minneapolis	12	2.14	18.5	11.58
Cleveland	13	2.08	35.0	5.95
Atlanta	14	2.00	40.0	5.00
Jacksonville	15	1.96	98.1	2.00
Memphis	16	1.77	25.0	7.09
Burlington	17	1.72	81.0	2.12
Portland, ME	18	1.71	55.0	3.11
Manchester	19	1.71	20.0	8.56
Houston	20	1.71	100.0	1.71
Boise City	21	1.70	99.6	1.71
Chicago	22	1.66	16.0	10.35
Indianapolis	23	1.56	15.0	10.37
Fargo	24	1.56	4.5	34.70
Wilmington, DE	25	1.48	100.0	1.48
Louisville	26	1.39	100.0	1.39
Jackson	27	1.30	10.0	12.98
Billings	28	1.30	3.9	33.35
New Orleans	29	1.26	10.0	12.62
Seattle	30	1.22	95.0	1.29
Boston	31	1.20	100.0	1.20
Charlotte	32	1.19	97.4	1.22
New York City	33	1.18	12.7	9.33
Wichita	34	1.13	8.0	14.11
Columbia	35	1.13	4.0	28.18
Washington, DC	36	1.11	91.1	1.22
Anchorage	37	1.10	87.9	1.26
Albuquerque	38	1.10	33.3	3.29
Norfolk	39	1.10	88.0	1.25
Salt Lake City	40	1.08	60.0	1.80
Charleston, WV	41	1.07	62.0	1.73
St. Louis	42	1.02	19.0	5.37
Oklahoma City	43	.95	10.7	8.92
Las Vegas	44	.91	34.4	2.64
Little Rock	45	.89	19.2	4.66
Denver	46	.89	18.0	4.97
Birmingham	47	.70	10.0	6.95
Casper	48	.70	9.1	7.74
Phoenix	49	.64	5.4	11.83
Los Angeles	50	.64	61.2	1.05
Honolulu	51	.59	89.0	.66

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Rates and Tax Burdens in the District of Columbia: a Nationwide Comparison.*

No. 477. Number of Locally Assessed Taxable Real Property Parcels, and Gross Assessed Value, by Use: 1986

[Data are estimates subject to sampling variability; see source for details]

REGION, DIVISION AND STATE	NUMBER OF PARCELS [1] (1,000)						GROSS ASSESSED VALUE (bil. dol.)				
	Total [2]	Residential		Acreage	Vacant platted lots	Commercial and industrial	Total [2]	Residential		Acreage	Vacant platted lots
		Total	Single-family only					Total	Single-family only		
U.S.	**107,890.8**	**64,753.7**	**61,113.6**	**16,004.3**	**19,484.1**	**4,479.4**	**4,104.5**	**2,511.6**	**2,180.3**	**309.3**	**189.2**
Region:											
Northeast	16,618.4	12,626.3	11,276.1	905.8	2,067.6	894.4	752.7	520.3	429.7	14.0	21.3
Midwest	28,400.8	16,047.2	15,276.4	6,706.8	4,112.2	1,227.8	548.8	307.6	278.4	105.2	11.5
South	42,539.5	23,305.2	22,610.6	6,170.2	9,043.3	1,545.1	1,478.1	847.5	761.5	116.1	88.0
West	20,332.2	12,775.0	11,950.5	2,221.5	4,261.1	812.0	1,325.1	839.3	713.1	74.6	68.3
N. Eng	**4,884.5**	**3,676.2**	**3,181.6**	**303.6**	**661.3**	**221.9**	**365.0**	**268.6**	**213.6**	**5.0**	**10.8**
ME	648.4	423.4	401.9	89.0	106.0	26.4	25.0	16.9	15.2	1.2	.7
NH	498.5	347.1	323.4	52.5	76.8	18.1	27.7	18.1	16.2	.9	.8
VT	282.0	198.0	185.8	47.5	20.1	15.5	.2	.1	.1	-	-
MA	2,038.4	1,586.8	1,235.9	72.4	276.1	98.5	229.4	172.3	126.2	2.0	7.0
RI	362.7	252.7	212.1	9.2	80.3	15.9	17.5	13.2	11.0	.2	.7
CT	1,054.5	868.2	822.4	33.0	102.0	47.4	66.2	48.0	44.9	.7	1.6
Mid. Atl	**11,733.9**	**8,950.1**	**8,094.5**	**602.2**	**1,406.3**	**672.6**	**387.7**	**251.7**	**216.1**	**9.0**	**10.5**
NY	4,821.5	3,655.0	2,966.5	205.8	586.4	332.4	154.8	87.0	61.4	5.1	2.8
NJ	2,250.2	1,785.3	1,768.1	47.4	289.6	127.8	185.9	132.6	125.5	1.7	6.8
PA	4,662.1	3,509.8	3,359.9	349.0	530.3	212.4	47.0	32.1	28.2	2.2	.9
E. No. Cent	**18,298.7**	**11,246.8**	**10,655.7**	**2,926.1**	**3,082.2**	**826.6**	**381.6**	**234.8**	**213.1**	**46.9**	**9.4**
OH	4,910.3	3,019.4	2,827.1	536.0	1,082.5	212.1	73.7	49.8	44.9	5.6	2.4
IN	2,483.0	1,432.6	1,394.3	475.2	476.5	91.0	19.1	10.7	9.8	3.7	.4
IL	4,532.7	2,898.0	2,665.8	584.9	654.8	259.1	90.5	51.2	44.5	7.6	2.2
MI	3,769.4	2,572.2	2,482.5	501.4	518.2	169.6	92.8	57.6	53.8	10.1	2.0
WI	2,603.3	1,324.5	1,286.1	626.5	350.3	94.8	105.5	65.5	60.1	19.9	2.4
W. No. Cent	**10,102.1**	**4,800.4**	**4,620.7**	**3,780.7**	**1,029.9**	**401.3**	**167.2**	**72.8**	**65.3**	**58.3**	**2.1**
MN	2,494.4	1,339.3	1,281.6	744.9	289.3	84.7	27.6	15.9	13.6	4.0	.5
IA	1,983.9	752.5	738.1	1,036.6	112.1	82.6	67.7	23.7	22.0	32.6	.6
MO	2,251.1	1,338.5	1,276.6	579.5	228.1	94.5	23.0	11.5	10.1	2.5	.4
ND	559.1	147.4	142.1	324.8	61.8	24.8	.9	.3	.2	.5	-
SD	536.3	167.3	163.3	285.4	63.0	20.0	6.4	2.3	2.1	3.3	.1
NE	858.0	408.6	396.7	329.0	81.6	36.5	36.0	16.5	15.0	13.6	.4
KS	1,419.3	646.6	622.2	480.6	194.0	58.1	5.6	2.6	2.3	1.6	.1
So. Atl	**19,803.8**	**12,026.3**	**11,608.5**	**2,069.6**	**4,506.0**	**728.9**	**791.1**	**514.5**	**464.1**	**57.2**	**46.2**
DE	273.3	202.0	201.5	9.3	51.4	10.6	13.0	8.3	7.7	.5	.4
MD	1,694.3	1,276.7	1,256.1	51.4	293.4	72.8	54.6	39.8	36.6	1.6	2.1
DC	159.7	130.6	114.3	-	11.0	8.9	28.9	13.6	10.8	-	1.0
VA	2,611.8	1,603.3	1,564.4	396.5	533.9	73.2	166.5	110.7	100.9	15.5	7.2
WV	1,271.8	629.8	617.0	142.8	270.0	25.0	8.7	5.4	5.0	.6	.3
NC	3,009.9	1,737.7	1,688.9	552.9	573.4	134.6	121.4	75.8	69.9	16.6	4.0
SC	1,705.2	986.8	938.5	239.8	391.9	78.8	3.2	1.8	1.6	.2	.2
GA	2,356.7	1,527.5	1,480.8	233.5	486.9	103.2	50.8	31.5	28.1	6.2	1.8
FL	6,521.0	3,932.0	3,746.9	443.6	1,888.1	221.7	344.0	227.6	203.5	16.0	20.2
E. So. Cent	**6,773.4**	**3,953.4**	**3,883.9**	**1,376.0**	**1,134.5**	**281.2**	**92.2**	**52.8**	**48.8**	**15.0**	**2.2**
KY	1,489.5	1,010.0	994.0	272.4	127.6	62.2	54.2	32.6	30.1	9.6	.8
TN	2,136.3	1,233.1	1,216.5	277.0	518.1	105.6	24.3	12.3	11.6	3.0	.9
AL	1,853.3	1,043.5	1,020.4	477.1	260.4	66.0	8.8	5.1	4.6	1.5	.3
MS	1,294.3	666.8	653.0	349.5	228.4	47.3	4.8	2.8	2.5	.9	.2
W. So. Cent	**16,162.3**	**7,325.4**	**7,118.3**	**2,724.6**	**3,408.8**	**535.0**	**594.8**	**280.2**	**248.6**	**43.9**	**39.8**
AR	1,797.9	684.3	669.1	562.2	451.2	56.5	8.9	5.0	4.7	1.8	.3
LA	1,899.4	1,188.7	1,135.7	282.5	354.9	72.0	8.9	5.4	4.9	.8	.4
OK	1,828.8	912.6	896.8	390.4	452.9	69.1	7.3	4.4	4.1	1.1	.2
TX	10,636.2	4,539.9	4,416.7	1,489.5	2,149.8	337.5	569.7	265.4	234.9	40.2	38.7
Mt	**7,117.4**	**3,718.2**	**3,589.9**	**875.0**	**2,193.6**	**228.7**	**102.4**	**60.0**	**55.0**	**9.4**	**7.3**
MT	465.3	224.5	216.4	150.0	71.1	18.5	.5	.4	.4	.2	-
ID	518.8	267.0	261.7	145.8	84.7	18.6	24.3	13.9	13.3	5.2	1.1
WY	212.5	120.2	113.9	29.4	50.6	12.3	1.2	.6	.6	.2	.1
CO	1,726.9	1,031.0	997.0	165.2	385.2	59.1	15.8	8.4	7.5	.9	1.0
NM	1,094.8	424.1	416.8	131.4	516.0	22.5	8.7	5.8	5.5	.7	.8
AZ	1,986.2	977.9	932.3	96.0	850.3	54.6	12.6	6.3	5.3	.7	1.5
UT	688.6	432.9	422.5	111.0	116.2	26.6	27.5	18.4	17.2	1.2	1.4
NV	424.3	240.6	229.4	46.2	119.4	16.2	11.5	6.2	5.2	.3	1.4
Pac	**13,214.8**	**9,056.8**	**8,360.5**	**1,346.5**	**2,067.5**	**583.4**	**1,222.7**	**779.3**	**658.1**	**65.2**	**61.0**
WA	2,265.2	1,359.8	1,296.6	428.7	391.0	84.4	142.9	91.3	60.6	12.1	7.7
OR	1,399.3	748.5	716.1	365.4	207.7	67.4	72.6	41.8	37.0	9.8	3.1
CA	8,865.9	6,580.0	5,993.5	471.5	1,306.1	412.5	928.6	598.5	497.3	38.4	44.4
AK	253.0	120.2	111.0	15.4	105.5	9.0	28.1	15.7	13.3	.7	4.0
HI	391.4	248.4	243.4	65.5	57.3	10.1	50.5	32.0	29.9	4.2	1.8

- Represents zero. [1] Parcels are defined by the local assessors. [2] Includes amounts not shown seperately.

Source: U.S. Bureau of the Census, *1987 Census of Governments*, vol. 2, GC87(2), *Taxable Property Values*.

No. 478. GROSS ASSESSED VALUE OF PROPERTY AND GOVERNMENT REVENUE FROM PROPERTY TAXES: 1971 TO 1986

[In billions of dollars, except percent. Data are estimates subject to sampling variability; see Appendix III and source]

ITEM	1971	1975	1979	1981	1982	1983	1984	1985	1986
Gross assessed value of property [1]	**717.8**	**1,096.3**	**1,678.8**	**2,958.2**	(NA)	(NA)	**4,053.1**	(NA)	**4,817.8**
State assessed	53.5	74.8	113.5	159.2	(NA)	(NA)	200.1	(NA)	242.9
Locally assessed	664.2	1,021.5	1,565.3	2,799.0	(NA)	(NA)	3,853.0	(NA)	4,574.9
Real property	573.9	881.6	1,356.5	2,514.9	(NA)	(NA)	3,446.5	(NA)	4,104.5
Percent of locally assessed	86.4	86.3	86.8	89.8	(NA)	(NA)	89.4	(NA)	89.7
Net assessed value of locally taxable property [2]	694.6	1,062.9	1,607.3	2,837.5	(NA)	(NA)	3,868.8	(NA)	4,619.7
Percent of gross assessed	96.8	97.0	95.7	95.9	(NA)	(NA)	95.5	(NA)	95.9
Approximate market value: [3]									
Locally assessed realty	1,755.0	(NA)	(NA)	6,760.4	(NA)	(NA)	(NA)	(NA)	(NA)
Ordinary realty	(NA)	(NA)	(NA)	5,500.7	(NA)	(NA)	(NA)	(NA)	(NA)
REVENUE FROM PROPERTY TAXES									
Total revenue, State and local	**37.9**	**51.5**	**64.9**	**75.0**	**82.1**	**89.1**	**96.5**	**103.8**	**111.7**
Percent of general revenue	26.1	22.6	18.9	17.7	17.9	18.3	17.8	17.4	17.4
Percent of tax revenue	39.9	36.4	31.6	30.7	30.8	31.3	30.1	29.7	29.9
Revenue, State governments	1.1	1.5	2.5	2.9	3.1	3.3	3.9	4.0	4.4
Percent of all revenue	1.1	.9	1.0	.9	.9	.9	1.0	.9	.9
Percent of tax revenue	2.2	1.8	2.0	2.0	1.9	1.9	2.0	1.9	1.9
Revenue, local governments	36.7	50.0	62.5	72.0	79.0	85.8	92.6	99.8	107.4
Annual average percent change from prior year shown	[4] 9.0	6.6	5.7	9.8	9.6	8.7	7.7	7.8	7.6
Percent of all revenue	36.4	32.2	26.6	25.0	25.0	25.4	25.3	24.8	24.7
Percent of tax revenue	84.6	81.6	77.5	76.0	76.1	76.0	75.0	74.2	74.0

NA Not available. [1] Gross assessed value amounts may include prior year components for those states unable to report data for indicated year at time of publication. See sources for definitions of terms and limitations of data. [2] Value subject to local general property taxation, including State-assessed property, after deduction of partial exemptions. [3] See source for details for computation of approximate market value. [4] Change from 1966.

Source: U.S. Bureau of the Census, *Census of Governments: 1972, 1982,* and *1987,* vol. 2; *Property Values Subject to Local General Property Taxation in the United States: 1975* and *1979,* series GSS Nos. 80, 92, and 98; and *Government Finances,* series GF, No. 5, annual.

No. 479. GOVERNMENTAL EMPLOYMENT AND PAYROLLS: 1970 TO 1986

[For October. Covers both full-time and part-time employees. Except for 1982, local government data are estimates subject to sampling variation; see source, and Appendix III. See also *Historical Statistics, Colonial Times to 1970,* series Y 272–307]

TYPE OF GOVERNMENT	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
EMPLOYEES (1,000)											
Total	**13,028**	**14,973**	**15,628**	**15,971**	**16,213**	**15,968**	**15,841**	**16,034**	**16,436**	**16,690**	**16,933**
Federal (civilian) [1]	2,881	2,890	2,885	2,869	2,898	2,865	2,848	2,875	2,942	3,021	3,019
State and local	10,147	12,084	12,743	13,102	13,315	13,103	12,993	13,159	13,494	13,669	13,913
Percent of total	77.9	80.7	81.5	82.0	82.1	82.1	82.0	82.1	82.1	81.9	82.2
State	2,755	3,271	3,539	3,699	3,753	3,726	3,744	3,816	3,898	3,984	4,068
Local	7,392	8,813	9,204	9,403	9,562	9,377	9,249	9,344	9,595	9,685	9,846
Counties	1,229	1,563	1,766	1,804	1,853	1,808	1,824	1,811	1,872	1,891	1,926
Municipalities	2,244	2,506	2,509	2,553	2,561	2,469	2,397	2,424	2,434	2,467	2,494
School districts	3,316	3,969	4,113	4,200	4,270	4,222	4,194	4,211	4,387	4,416	4,502
Townships	330	392	411	401	394	386	356	379	386	392	400
Special districts	275	383	403	445	484	492	478	519	516	519	524
OCTOBER PAYROLLS (mil. dol.)											
Total	**8,334**	**13,224**	**16,483**	**18,077**	**19,935**	**21,193**	**23,173**	**24,525**	**26,904**	**28,945**	**30,670**
Federal (civilian) [1]	2,428	3,584	4,344	4,728	5,205	5,239	5,959	6,301	7,137	7,580	7,561
State and local	5,906	9,640	12,139	13,349	14,730	15,954	17,214	18,224	19,767	21,365	23,109
Percent of total	70.9	72.9	73.7	73.8	73.9	75.3	74.2	74.3	73.5	73.8	75.3
State	1,612	2,653	3,483	3,869	4,285	4,668	5,022	5,346	5,815	6,329	6,810
Local	4,294	6,987	8,656	9,480	10,445	11,287	12,192	12,878	13,952	15,036	16,298
Counties	640	1,183	1,564	1,726	1,936	2,083	2,287	2,387	2,596	2,819	3,009
Municipalities	1,361	2,129	2,535	2,729	2,951	3,222	3,428	3,640	3,872	4,191	4,407
School districts	2,032	3,160	3,897	4,272	4,683	5,021	5,442	5,729	6,283	6,746	7,517
Townships	122	215	269	291	330	349	370	398	421	446	474
Special districts	140	300	392	463	546	612	665	724	780	834	892

[1] Includes employees outside U.S.

Source: U.S. Bureau of the Census, *1982 Census of Governments, Vol. 6, No. 5, Historical Statistics on Governmental Finances and Employment,* and *Public Employment,* series GE, No. 1, annual.

No. 480. Governmental Employment and Payrolls, by Level of Government and by Function: 1986

[For **October**. Covers both full-time and part-time employees. Local government data are estimates subject to sampling variation; see source, and Appendix III]

FUNCTION	EMPLOYEES (1,000)					OCTOBER PAYROLLS (mil. dol.)				
	Total	Federal (civilian)[1]	State and local			Total	Federal (civilian)[1]	State and local		
			Total	State	Local			Total	State	Local
Total	**16,933**	**3,019**	**13,913**	**4,068**	**9,846**	**30,670**	**7,561**	**23,109**	**6,810**	**16,299**
National defense[2]	1,079	1,079	(x)	(x)	(x)	2,801	2,801	(x)	(x)	(x)
Postal Service	795	795	(x)	(x)	(x)	1,847	1,847	(x)	(x)	(x)
Space research and technology	22	22	(x)	(x)	(x)	83	83	(x)	(x)	(x)
Education	7,253	14	7,239	1,800	5,439	11,717	37	11,680	2,583	9,097
Teachers	4,079	(x)	4,079	536	3,543	8,240	(x)	8,240	1,178	7,062
Highways	553	4	550	253	297	969	14	956	485	471
Health and hospitals	1,649	260	1,389	682	707	2,858	622	2,236	1,159	1,077
Public welfare	443	14	430	190	239	713	36	677	333	343
Police protection	771	67	704	79	625	1,600	191	1,410	183	1,227
Fire protection	326	(x)	326	(x)	326	603	(x)	603	(x)	603
Sanitation and sewerage	226	(x)	226	1	225	394	(x)	394	1	393
Parks and recreation	268	(x)	268	36	233	306	(x)	306	48	258
Natural resources	430	235	195	157	38	909	587	322	269	52
Financial administration	449	121	328	134	194	785	259	526	247	280
General control	673	62	610	140	470	1,071	163	908	316	592
All other	1,996	349	1,648	596	1,052	4,013	922	3,091	1,185	1,906

X Not applicable. [1] Includes employees outside United States. [2] Includes international relations.

Source: U.S. Bureau of the Census, *Public Employment in 1986*, series GE 86, No. 1.

No. 481. State and Local Government—Full-Time Employment and Salary, by Sex and Race/Ethnic Group: 1973 to 1986

[**As of June 30.** Excludes school systems and educational institutions. Based on reports from State governments (44 in 1973, 49 in 1975 and 1976, 47 in 1977, 45 in 1978, 48 in 1979, 42 in 1980, 49 in 1981, 47 in 1983, 50 in 1984 through 1986) and a sample of county, municipal, township, and special district jurisdictions employing 15 or more nonelected, nonappointed full-time employees. For definition of median, see Guide to Tabular Presentation]

YEAR AND OCCUPATION	EMPLOYMENT (1,000)							MEDIAN ANNUAL SALARY ($1,000)					
	Total	Male	Female	White[1]	Minority			Male	Female	White[1]	Minority		
					Total[2]	Black[1]	Hispanic[3]				Total[2]	Black[1]	Hispanic[3]
1973	3,809	2,486	1,322	3,115	693	523	125	9.6	7.0	8.8	7.5	7.4	7.4
1975	3,899	2,436	1,464	3,102	797	602	147	11.3	8.2	10.2	8.8	8.6	8.9
1976	4,369	2,724	1,645	3,490	880	664	165	11.8	8.6	10.7	9.2	9.1	9.4
1977	4,415	2,737	1,678	3,480	935	705	175	12.4	9.1	11.3	9.7	9.5	9.9
1978	4,447	2,711	1,736	3,481	966	723	181	13.3	9.7	12.0	10.4	10.1	10.7
1979	4,576	2,761	1,816	3,568	1,008	751	192	14.1	10.4	12.8	10.9	10.6	11.4
1980	3,987	2,350	1,637	3,146	842	619	163	15.2	11.4	13.8	11.8	11.5	12.3
1981	4,665	2,740	1,925	3,591	1,074	780	205	17.7	13.1	16.1	13.5	13.3	14.7
1983	4,492	2,674	1,818	3,423	1,069	788	219	20.1	15.3	18.5	15.9	15.6	17.3
1984	4,580	2,700	1,880	3,458	1,121	799	233	21.4	16.2	19.6	17.4	16.5	18.4
1985	4,742	2,789	1,952	3,563	1,179	835	248	22.3	17.3	20.6	18.4	17.5	19.2
1986, total	**4,779**	**2,797**	**1,982**	**3,549**	**1,230**	**865**	**259**	**23.4**	**18.1**	**21.5**	**19.6**	**18.7**	**20.2**
Officials/ administrators	260	186	74	226	34	23	7	36.5	29.3	34.3	33.0	32.4	33.0
Professionals	1,005	523	482	812	194	119	36	29.8	24.3	27.1	25.6	24.8	27.0
Technicians	459	278	181	360	99	65	22	23.9	18.3	21.7	20.7	19.1	21.5
Protective service	736	661	75	586	150	105	37	24.5	20.7	24.3	24.1	22.5	26.2
Paraprofessionals	364	107	257	228	136	113	18	17.7	15.6	16.2	16.8	15.9	17.1
Office/clerical	868	105	763	626	242	165	56	17.8	16.0	15.9	16.7	16.6	16.9
Skilled craft	401	385	16	312	89	57	25	21.9	16.2	21.7	21.3	20.6	22.4
Service/ maintenance	686	552	134	400	286	219	57	17.9	14.1	17.3	16.7	16.5	17.9

[1] Nonhispanic. [2] Includes other minority groups, not shown separately. [3] Hispanic may be of any race.

Source: U.S. Equal Employment Opportunity Commission, *State and Local Government Information Report*, annual.

NO. 482. STATE AND LOCAL GOVERNMENT—EMPLOYEE BENEFITS: 1987

[For January through July. Covers full-time employees in state and local governments. Excludes executive employees, traveling operating employees, elected officials, and Alaska and Hawaii. Covers only benefits for which the employer pays part or all of the premium or expenses involved, except unpaid maternity and paternity leave. Based on sample survey of establishments. For data on employee benefits in medium to large firms, see table 672]

TYPE OF EMPLOYEE BENEFIT	All employees	Regular employees [1]	Teachers [2]	Police and firefighters
Percent of employees participating in—				
Paid: Vacations	72	93	13	100
Holidays	81	95	45	93
Jury duty leave	98	99	97	92
Funeral leave	56	56	52	75
Rest time [3]	58	74	16	48
Military leave	80	85	65	86
Sick leave	97	97	95	97
Personal leave	38	32	56	36
Lunch time [3]	17	10	32	39
Insurance plans:				
Health	94	94	95	96
Hospital/surgical [4]	93	93	93	95
Mental health care	92	93	93	94
Private duty nursing	91	91	91	92
Dental	59	58	61	59
Extended care facility	73	72	71	76
Home health care	71	72	67	75
Vision	35	36	33	40
Health maintenance organization [5]	23	24	18	25
Life	85	85	82	91
Noncontributory	69	70	66	73
Accident/sickness	14	18	5	14
Noncontributory	12	15	4	11
Long-term disability	31	28	41	18
Noncontributory	28	25	38	15
Retirement and savings plans:				
Defined benefit pension	93	92	95	93
Noncontributory	20	22	17	17
Defined contribution	9	9	8	13
Savings and thrift	1	1	1	1
Retirement and savings plans—Con.				
Money purchase pension	8	8	7	11
Additional benefits:				
Parking	73	68	86	73
Educational assistance:				
Job related	53	59	36	65
Not job related	15	16	14	7
Travel accident insurance	16	15	19	13
In-house infirmary	19	19	18	13
Severance pay	6	6	7	5
Relocation allowance	15	20	5	8
Recreation facilities	11	11	12	11
Subsidized meals	12	10	19	1
Nonproduction bonuses, cash	7	8	3	16
Financial counseling	10	11	9	9
Subsidized commuting	5	5	2	7
Prepaid legal services	6	6	5	11
Child care	2	2	1	1
Unpaid maternity leave	57	55	65	51
Average months	11.7	11.0	12.7	14.8
Unpaid paternity leave	30	29	32	30
Average months	14.9	14.5	14.7	19.9
Mean number of—				
Paid holidays	10.9	11.1	9.8	11.2
Paid vacation days after—				
1 year	12.0	11.8	14.3	12.6
3 years	12.9	12.8	14.8	13.5
5 years	15.0	14.8	15.7	15.8
10 years	17.7	17.7	16.9	18.8
15 years	19.8	19.7	17.8	21.1
20 years	21.4	21.4	18.7	22.7
25 years	22.0	22.0	18.8	23.4

[1] Includes all white-collar employees (professional, administrative, technical, clerical) and blue-collar employees (production, service) except those classified as teachers or police and firefighters. [2] Includes all personnel in primary and secondary schools, junior colleges, colleges, and universities whose primary duty is teaching or closely related activities. [3] Data for teachers relate only to primary and secondary school teachers. [4] Includes physician visits in hospitals, diagnostic X-ray and lab, and auxiliary hospital services. [5] For definition, see table 148.

Source: U.S. Bureau of Labor Statistics, *Employee Benefits in State and Local Governments, 1987.*

NO. 483. STATE AND LOCAL GOVERNMENT BARGAINING AGREEMENTS: 1985 TO 1987

[Agreements covering 1,000 or more workers. Averages presented are means; for definition of mean, see Guide to Tabular Presentation]

ITEM	TOTAL			UNITS WITH—					
				1,000 to 4,999 workers			5,000 or more workers		
	1985	1986	1987	1985	1986	1987	1985	1986	1987
Workers covered, total [1] (1,000):									
All settlements	1,475	873	1,291	595	450	538	880	423	754
State government	546	313	462	143	89	115	403	224	347
Local government	929	560	830	452	361	422	476	199	407
Average wage adjustment [2] (percent):									
First year of contract:									
All settlements	4.6	5.7	4.9	5.0	5.2	4.7	4.3	6.2	5.0
State government	4.8	6.3	4.1	4.7	5.0	4.2	4.8	6.8	4.1
Local government	4.4	5.3	5.3	5.1	5.1	4.9	3.8	5.6	5.8
Over the life of contract: [3]									
All settlements	5.4	5.7	5.1	5.4	5.4	4.8	5.3	6.0	5.3
State government	4.9	6.0	4.2	4.7	6.0	4.3	4.9	6.0	4.2
Local government	5.7	5.6	5.6	5.7	5.4	4.9	5.6	6.0	6.2
Total effective wage adjustments [4] (percent)	5.7	5.5	4.9	(NA)	(NA)	4.6	(NA)	(NA)	5.2
Source:									
Current settlements	4.1	2.4	2.7	(NA)	(NA)	2.6	(NA)	(NA)	2.7
Prior settlements	1.6	3.0	2.2	(NA)	(NA)	1.9	(NA)	(NA)	2.5
Cost-of-living adjustments	(Z)	(Z)	(Z)	(NA)	(NA)	(Z)	(NA)	(NA)	(Z)
State government	4.5	5.6	4.3	(NA)	(NA)	3.9	(NA)	(NA)	4.5
Local government	6.5	5.4	5.3	(NA)	(NA)	4.8	(NA)	(NA)	6.0

NA Not available. Z Less than .05 percent. [1] Number of workers covered by settlements reached in each calendar year. [2] Data relate to settlements reached in each calendar year and exclude possible cost-of-living adjustments. [3] Average annual rate of change. [4] Data relate to all wage changes implemented in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living clauses.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments,* May 1986, March 1987 and 1988; and unpublished data.

No. 484. State and Local Government Employment (Full-Time Equivalent) by Selected Function, 1970 to 1986, and by State, 1986

[In thousands, for October. Except 1982, local government data are estimates subject to sampling variation; see source and Appendix III. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	EDUCATION				HEALTH AND HOSPITALS		HIGHWAYS		POLICE AND FIRE PROTECTION		PUBLIC WELFARE	
	Total		Higher education									
	State	Local	State	Local	State	Local	State	Local	State [1]	Local	State	Local
1970	803.0	3,454.6	722.2	119.4	482.0	469.0	296.8	271.4	55.8	583.7	97.3	152.5
1975	952.1	4,000.0	849.2	191.2	588.4	562.3	271.5	298.1	68.6	690.1	157.1	182.3
1980	1,062.8	4,278.3	947.7	212.1	649.8	646.4	255.3	277.4	75.5	745.0	171.5	200.4
1981	1,062.5	4,239.6	951.7	210.2	654.3	639.3	244.1	265.4	73.1	753.1	169.4	199.7
1982	1,052.5	4,177.8	944.5	213.2	652.6	661.6	241.4	268.0	75.3	760.4	169.9	208.6
1983	1,072.1	4,164.8	965.7	193.9	637.9	651.9	239.5	265.4	75.9	760.3	172.5	203.1
1984	1,091.0	4,303.7	961.2	197.6	644.1	642.9	243.9	274.5	78.7	774.4	174.5	208.7
1986 [2]	**1,256.4**	**4,595.3**	**1,140.4**	**212.8**	**652.5**	**643.9**	**249.7**	**284.4**	**78.5**	**813.8**	**186.6**	**223.1**
Region:												
Northeast	168.7	942.6	151.0	32.0	175.9	112.7	53.3	67.7	19.0	196.2	40.3	86.4
Midwest	364.8	1,117.7	343.6	51.5	130.0	152.8	51.2	79.2	16.6	187.3	46.9	62.0
South	442.9	1,656.0	401.0	61.6	255.4	250.4	100.7	92.5	26.0	262.7	74.4	32.7
West	279.9	879.1	244.9	67.7	91.2	128.0	44.4	44.9	16.8	167.6	25.0	42.0
N. Eng	**62.5**	**233.1**	**54.9**	.1	**46.4**	**14.5**	**16.0**	**14.7**	**5.0**	**60.5**	**16.8**	**5.5**
ME	5.9	24.5	4.6	-	2.7	1.1	2.7	1.6	.6	3.1	1.9	.2
NH	7.2	18.3	6.8	-	2.2	.1	1.8	1.4	.3	3.4	1.2	1.8
VT	3.8	10.9	3.7	-	1.2	-	1.1	1.0	.4	.9	.7	-
MA	22.2	104.4	21.9	.1	22.7	11.7	5.1	6.1	1.8	27.3	8.4	1.3
RI	6.1	14.8	5.0	-	3.5	.1	1.0	.8	.3	4.3	1.7	.1
CT	16.2	60.3	12.9	-	14.0	1.5	4.3	3.8	1.6	11.4	2.8	2.1
Mid. Atl	**106.2**	**709.5**	**96.1**	**31.9**	**129.5**	**98.2**	**37.3**	**53.0**	**14.1**	**145.7**	**23.5**	**80.9**
NY	51.6	350.2	46.4	18.4	81.0	79.8	14.1	32.5	5.5	82.6	7.7	53.0
NJ	24.8	159.6	21.8	7.7	21.3	12.9	8.8	10.1	3.6	32.8	5.3	10.1
PA	29.8	199.7	27.9	5.7	27.3	5.5	14.5	10.3	5.0	30.5	10.5	17.8
E. No. Cent	**247.8**	**773.7**	**233.9**	**37.2**	**79.4**	**106.9**	**28.8**	**49.7**	**11.3**	**140.2**	**29.4**	**47.9**
OH	55.7	191.3	53.2	3.3	22.1	28.7	8.6	12.9	2.1	33.1	1.7	19.4
IN	40.6	101.7	35.6	-	11.5	19.5	5.6	5.6	1.7	15.4	1.4	5.7
IL	50.2	202.7	47.5	16.7	17.4	22.0	8.7	11.0	3.7	48.3	11.9	7.4
MI	58.0	189.3	55.8	9.8	19.3	26.1	3.9	10.4	3.0	27.2	13.1	3.7
WI	43.3	88.6	41.9	7.5	9.0	10.5	2.0	9.8	.8	16.2	1.5	11.7
W. No. Cent	**117.1**	**343.9**	**109.6**	**14.3**	**50.6**	**45.9**	**22.4**	**29.5**	**5.4**	**47.2**	**17.5**	**14.1**
MN	31.4	66.7	29.9	-	9.1	12.3	4.9	7.2	.8	9.4	1.5	8.9
IA	27.3	62.9	26.0	4.5	10.2	8.6	3.3	5.7	.8	6.5	3.4	2.2
MO	17.9	91.3	15.8	3.7	15.0	13.1	6.2	5.3	1.9	16.4	5.7	.4
ND	6.5	14.5	6.2	-	2.8	.2	1.1	1.2	.3	1.4	.4	.8
SD	4.3	15.1	3.8	-	1.9	.7	1.2	1.6	.3	1.6	1.0	.2
NE	12.5	34.6	11.8	1.9	4.5	4.4	2.2	3.5	.6	4.1	2.5	1.0
KS	17.2	59.0	16.1	4.1	7.1	6.6	3.5	5.1	.8	7.7	2.8	.8
So. Atl	**202.9**	**798.7**	**184.3**	**36.7**	**126.3**	**129.7**	**52.5**	**37.6**	**14.7**	**135.8**	**30.8**	**24.4**
DE	5.3	11.2	5.1	-	2.6	.1	1.3	.5	.7	1.3	1.7	-
MD	23.8	84.8	21.6	7.4	13.8	2.6	5.2	5.4	2.2	16.4	5.9	1.1
DC	(X)	12.3	(X)	1.4	(X)	5.6	(X)	1.0	(X)	6.2	(X)	1.9
VA	39.3	119.2	36.5	-	24.3	5.3	10.7	3.6	2.1	17.6	1.4	6.4
WV	11.5	43.4	10.0	-	4.6	4.4	5.7	.9	.9	3.3	2.5	-
NC	34.7	130.9	31.7	11.2	17.1	19.2	10.9	3.3	2.7	16.5	1.0	9.0
SC	25.7	68.1	22.6	-	16.1	11.9	4.6	2.1	1.5	8.5	4.5	.3
GA	29.4	121.0	26.0	.4	23.1	46.0	6.4	7.0	1.9	20.1	6.0	.6
FL	33.1	207.8	30.8	16.3	24.7	34.8	7.8	13.8	3.0	46.1	7.8	5.0
E. So. Cent	**94.4**	**275.4**	**82.5**	4.1	**45.7**	**53.0**	**19.3**	**21.5**	**4.9**	**41.6**	**15.5**	**4.8**
KY	22.7	66.6	18.7	-	7.7	6.5	6.8	3.2	1.7	8.2	3.7	.7
TN	27.5	81.3	25.4	-	13.5	15.3	5.2	6.8	1.2	14.9	5.5	2.9
AL	29.8	71.1	25.3	-	14.8	15.6	4.4	6.7	1.1	11.9	3.9	.9
MS	14.6	58.3	13.2	4.1	9.6	15.6	2.9	4.7	.9	6.6	2.4	.2
W. So. Cent	**145.6**	**582.0**	**134.1**	**20.8**	**83.4**	**67.7**	**28.8**	**33.5**	**6.3**	**85.3**	**28.1**	**3.5**
AR	14.0	44.6	12.1	-	7.4	5.8	3.7	3.3	.8	5.6	2.7	.3
LA	28.0	86.1	24.1	.1	25.1	10.8	6.3	5.9	1.1	14.9	5.9	.8
OK	26.5	64.5	24.4	-	10.3	8.5	3.6	5.7	1.6	10.4	6.7	.2
TX	77.1	386.8	73.5	20.8	40.6	42.6	15.2	18.6	2.9	54.4	12.8	2.2
Mt	**99.2**	**262.8**	**92.7**	**9.4**	**28.0**	**26.3**	**17.2**	**15.5**	**4.3**	**42.9**	**11.2**	**6.3**
MT	5.1	18.0	4.7	.2	1.5	1.1	1.8	1.4	.3	2.1	1.1	.9
ID	8.4	20.3	7.9	.8	1.4	3.2	1.8	1.4	.3	2.6	.9	.1
WY	3.2	15.7	3.0	1.7	1.5	2.8	1.7	.9	.3	1.8	.5	-
CO	25.9	65.8	24.9	1.1	8.0	8.9	3.1	4.6	.9	11.3	1.3	3.2
NM	14.7	29.7	14.1	-	5.8	1.7	2.6	1.7	.6	4.9	1.7	.2
AZ	19.4	66.6	16.7	5.7	2.0	4.7	3.0	3.3	1.0	11.4	3.2	1.2
UT	17.0	30.7	16.1	-	4.6	1.3	1.8	1.5	.7	4.1	1.9	.4
NV	5.5	16.1	5.3	-	1.2	2.6	1.4	.7	.3	4.7	.7	.2
Pac	**180.8**	**616.3**	**152.1**	**58.3**	**65.2**	**101.7**	**27.2**	**29.4**	**12.5**	**124.7**	**13.8**	**35.7**
WA	33.4	71.1	31.0	-	11.7	8.4	5.6	5.4	1.5	13.4	5.3	.7
OR	14.1	56.8	13.3	5.8	6.4	3.5	3.5	3.1	1.0	8.1	3.2	.5
CA	101.9	477.7	97.7	52.5	41.3	89.1	14.4	19.4	9.6	97.3	3.0	34.3
AK	7.3	10.6	3.8	-	.8	.6	2.9	.6	.4	1.6	1.4	.2
HI	24.0	-	6.3	-	4.9	.2	.8	1.0	-	4.3	1.0	.1

- Represents zero. X Not applicable. [1] For State government, represents police protection only. [2] 1986 data not comparable to previous years due to a change in how full-time equivalent was calculated. See text.

Source: U.S. Bureau of the Census, *1982 Census of Governments, Vol. 6, No. 4, Historical Statistics on Governmental Finance and Employment*, and *Public Employment*, series GE, No. 1, annual.

No. 485. State and Local Government Employment and Average Earnings, by State: 1980 and 1986

[For **October**. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	TOTAL FULL-TIME EQUIVALENT EMPLOYMENT (1,000)				FULL-TIME EQUIVALENT EMPLOYMENT PER 10,000 POPULATION [3]				AVERAGE OCTOBER EARNINGS [4] (dol.)			
	State		Local [2]		State		Local [2]		State		Local [2]	
	1980	1986 [1]	1980	1986 [1]	1980	1986 [1]	1980	1986 [1]	1980	1986	1980	1986
U.S.	**3,106**	**3,437**	**7,941**	**8,415**	**137**	**143**	**351**	**349**	**1,373**	**2,052**	**1,323**	**1,992**
Region:												
Northeast	618	704	1,760	1,823	126	141	358	365	1,367	2,180	1,423	2,137
Midwest	747	812	2,010	2,016	127	137	342	340	1,422	2,007	1,347	2,008
South	1,134	1,238	2,659	2,887	151	149	353	348	1,221	1,803	1,114	1,711
West	608	684	1,511	1,689	141	135	350	334	1,627	2,356	1,535	2,321
N. Eng.	**188**	**212**	**399**	**390**	**152**	**166**	**323**	**306**	**1,261**	**2,053**	**1,384**	**2,005**
ME	18	20	33	36	161	168	297	307	1,266	1,714	1,083	1,590
NH	14	18	27	29	156	172	293	285	1,230	1,759	1,083	1,701
VT	11	11	14	15	215	211	267	270	1,251	1,842	1,063	1,653
MA	78	88	209	192	136	151	364	329	1,214	2,034	1,453	2,082
RI	20	19	25	24	211	195	260	245	1,326	2,041	1,443	2,215
CT	46	56	91	95	149	175	296	297	1,320	2,336	1,454	2,089
Mid. Atl	**430**	**492**	**1,361**	**1,433**	**117**	**132**	**370**	**384**	**1,413**	**2,233**	**1,434**	**2,173**
NY	215	272	731	810	123	153	416	456	1,432	2,355	1,493	2,266
NJ	87	96	283	283	119	126	384	372	1,415	2,278	1,407	2,146
PA	127	124	348	340	107	104	293	286	1,379	1,915	1,333	1,976
E. No. Cent	**491**	**529**	**1,400**	**1,414**	**118**	**127**	**336**	**339**	**1,468**	**2,189**	**1,406**	**2,057**
OH	115	122	358	365	107	113	331	340	1,321	1,984	1,299	1,911
IN	67	75	181	182	121	136	330	330	1,399	2,056	1,121	1,686
IL	124	130	385	385	108	113	338	333	1,451	2,165	1,485	2,166
MI	125	128	309	315	136	140	334	344	1,620	2,541	1,600	2,329
WI	60	74	166	168	127	154	354	351	1,580	2,128	1,402	2,035
W. No. Cent	**256**	**283**	**610**	**602**	**149**	**161**	**355**	**342**	**1,335**	**1,863**	**1,210**	**1,892**
MN	55	61	148	137	135	145	364	326	1,577	2,428	1,401	2,318
IA	45	57	103	101	155	199	353	355	1,361	2,049	1,226	1,735
MO	65	66	163	157	133	130	332	310	1,231	1,621	1,112	1,826
ND	13	15	20	22	193	222	309	318	1,322	1,805	1,309	2,017
SD	12	13	22	23	180	177	320	330	1,244	1,684	994	1,441
NE	28	29	64	65	180	184	410	407	1,151	1,509	1,207	1,785
KS	38	43	89	96	160	174	376	390	1,309	1,687	1,092	1,700
So. Atl	**567**	**609**	**1,337**	**1,438**	**153**	**149**	**362**	**351**	**1,240**	**1,834**	**1,147**	**1,810**
DE	16	17	16	16	262	272	265	252	1,265	1,795	1,197	1,991
MD	82	80	149	143	194	178	353	321	1,308	2,046	1,429	2,233
DC	(x)	(x)	49	51	(x)	(x)	762	817	(x)	(x)	1,775	2,594
VA	94	102	175	195	176	177	327	336	1,240	1,895	1,189	1,787
WV	40	34	60	61	204	180	307	317	1,066	1,574	1,091	1,625
NC	87	93	212	216	147	147	360	341	1,298	1,935	1,091	1,662
SC	61	69	100	109	196	204	319	322	1,234	1,705	978	1,558
GA	83	91	224	239	152	149	410	391	1,193	1,811	995	1,589
FL	105	124	354	407	107	106	364	348	1,242	1,748	1,177	1,872
E. So. Cent	**223**	**247**	**482**	**486**	**152**	**162**	**329**	**320**	**1,183**	**1,706**	**1,036**	**1,512**
KY	58	63	97	102	158	170	265	275	1,179	1,651	1,108	1,596
TN	63	71	162	157	137	147	353	327	1,172	1,746	1,064	1,554
AL	63	70	134	131	161	174	344	324	1,280	1,884	1,013	1,532
MS	40	42	90	95	159	161	355	364	1,052	1,430	903	1,324
W. So. Cent	**344**	**381**	**839**	**964**	**145**	**142**	**354**	**359**	**1,213**	**1,817**	**1,106**	**1,665**
AR	38	39	69	71	164	163	301	299	1,097	1,724	927	1,388
LA	81	86	142	151	193	191	339	337	1,163	1,673	1,022	1,494
OK	56	64	102	109	186	195	338	329	1,190	1,733	1,029	1,595
TX	169	193	525	633	119	115	370	379	1,272	1,927	1,168	1,748
Mt.	**191**	**219**	**399**	**457**	**168**	**168**	**351**	**351**	**1,418**	**1,976**	**1,308**	**1,964**
MT	16	16	28	29	199	192	357	349	1,335	1,864	1,190	1,727
ID	15	18	31	33	158	175	323	332	1,353	1,766	1,106	1,535
WY	9	11	21	25	193	213	450	494	1,470	1,924	1,287	1,967
CO	43	50	106	122	147	155	368	375	1,588	2,368	1,320	2,017
NM	34	34	43	49	259	231	330	332	1,262	1,792	1,136	1,680
AZ	37	43	100	119	137	128	368	358	1,405	2,126	1,461	2,185
UT	26	33	42	47	177	197	287	283	1,415	1,654	1,263	1,900
NV	12	15	28	33	152	154	349	343	1,498	1,990	1,401	2,140
Pac.	**416**	**465**	**1,112**	**1,231**	**131**	**124**	**350**	**328**	**1,725**	**2,530**	**1,618**	**2,456**
WA	71	79	133	143	173	177	322	320	1,526	2,231	1,555	2,134
OR	43	44	92	91	164	163	350	338	1,397	1,975	1,402	2,018
CA	249	279	859	965	105	104	363	358	1,867	2,751	1,642	2,535
AK	17	21	15	20	416	393	387	377	2,065	3,228	2,301	3,324
HI	36	41	12	12	378	389	125	113	1,403	1,844	1,395	2,010

X Not applicable. [1] Data not comparable with 1980 due to a change in how full-time equivalent was calculated. See text, section 9. [2] Estimates subject to sampling variation; see source and Appendix III. [3] 1980 based on enumerated resident population as of April 1; 1986 based on estimated resident population as of July 1. [4] For full-time employees.

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1, annual.

No. 486. City Government Employment and Payrolls: 1960 to 1986

[For **October**. Includes only those school systems operated as part of the city government. Represents average for period of intervals shown; for 1960, change from 1955. 1972, 1977, and 1982 based on complete census of all cities; other years based on sample and subject to sampling variation. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (−) indicates decrease]

YEAR	ALL EMPLOYEES, FULL-TIME AND PART-TIME (1,000)		OCTOBER PAYROLLS (mil. dol.)		AVERAGE ANNUAL PERCENT CHANGE		FULL-TIME EQUIVALENT EMPLOYMENT (1,000)			AVERAGE EARNINGS IN OCTOBER, FULL-TIME EMPLOYEES (dollars)	
	Total	Excl. education	Total	Excl. education	All employees	October payroll	Total	Education	Other	Education	Other
1960	1,692	1,439	583	471	3.3	7.1	1,447	225	1,222	502	387
1965	1,884	1,560	818	649	2.2	7.0	1,638	282	1,356	603	480
1970	2,244	1,815	1,361	1,062	3.6	10.7	1,922	359	1,563	838	661
1971	2,273	1,838	1,482	1,167	1.3	8.9	1,960	366	1,594	878	735
1972	2,375	1,918	1,654	1,302	4.5	11.6	2,029	378	1,650	951	792
1973	2,471	1,992	1,855	1,441	4.0	12.2	2,109	402	1,707	1,045	846
1974	2,491	2,009	1,985	1,560	.8	7.0	2,127	405	1,722	1,060	909
1975	2,506	2,074	2,129	1,725	.6	7.3	2,142	376	1,767	1,130	972
1976	2,443	2,021	2,235	1,804	−2.5	5.0	2,107	360	1,747	1,207	1,035
1977	2,511	2,084	2,415	1,959	2.8	8.0	2,168	356	1,812	1,260	1,087
1978	2,511	2,086	2,537	2,059	(Z)	5.1	2,165	361	1,804	1,341	1,149
1979	2,553	2,121	2,729	2,215	1.7	7.6	2,189	364	1,825	1,414	1,231
1980	2,561	2,130	2,942	2,403	.3	7.8	2,166	360	1,806	1,501	1,338
1981	2,469	2,056	3,222	2,640	−3.6	9.5	2,111	346	1,765	1,686	1,500
1982	2,396	2,015	3,428	2,861	−2.9	6.4	2,088	317	1,770	1,791	1,625
1983	2,423	2,051	3,640	3,059	1.1	6.2	2,060	300	1,760	1,862	1,739
1984	2,434	2,070	3,872	3,268	.4	6.4	2,090	300	1,790	2,033	1,831
1985	2,467	2,102	4,191	3,536	1.4	8.2	(NA)	(NA)	(NA)	2,117	1,953
1986	2,494	2,126	4,407	3,724	1.1	5.1	[1] 2,161	[1] 320	[1] 1,860	2,186	2,044

NA Not available. Z Less than .05 percent. [1] Data not comparable with previous years due to a change in how full-time equivalent was calculated. See text, section 9.

Source: U.S. Bureau of the Census, *Census of Governments, 1972, 1977, and 1982, Vol. 3, No. 2, Compendium of Public Employment,* and *City Employment,* series GE, No. 2, annual.

No. 487. City Government Employment and Payrolls—All Cities and Cities With 50,000 Population or More, by Function: 1980 to 1986

[For **October**]

ITEM	EMPLOYEES (1,000)						OCTOBER PAYROLLS (mil. dol.)					
	All cities [1]			Cities with 50,000 population or more [2]			All cities [1]			Cities with 50,000 population or more [2]		
	1980	1984	1986	1980	1984	1986	1980	1984	1986	1980	1984	1986
Total	**2,561**	**2,434**	**2,494**	**1,645**	**1,558**	**1,595**	**2,942**	**3,872**	**4,407**	**2,182**	**2,837**	**3,253**
Full-time	2,071	2,007	2,050	1,437	1,376	1,421	2,826	3,731	4,231	2,111	2,758	3,150
Part-time	489	427	445	208	182	175	116	141	175	71	80	[illegible]
Full-time equivalent [3]	**2,166**	**2,090**	**2,181**	**1,493**	**1,422**	**1,496**	(X)	(X)	(X)	(X)	(X)	(X)
Education [4]	360	300	320	304	251	269	539	604	683	463	520	587
Percent of total	17	14	15	20	18	18	18	16	15	21	18	18
Instructional staff	266	222	233	224	186	196	436	492	553	376	427	473
Others	94	78	87	80	64	74	102	112	130	87	93	114
Highways	121	121	127	60	61	64	141	196	223	77	112	127
Public welfare	41	44	50	38	40	45	47	71	91	45	67	85
Hospitals	131	123	124	87	84	85	143	169	211	102	140	153
Health	35	34	38	32	31	34	47	59	73	44	54	86
Police protection	365	373	391	224	229	239	550	761	858	389	512	575
Fire protection	190	191	194	130	130	131	300	421	478	218	307	351
Sewerage	60	64	67	32	35	37	74	106	122	44	62	73
Sanitation	104	91	92	63	55	57	118	137	163	81	95	119
Parks and recreation	103	97	112	72	67	78	116	149	170	84	106	121
Housing, urban renewal	44	43	46	38	38	40	57	78	92	51	70	83
Correction	18	24	25	17	23	25	27	50	63	26	49	62
Libraries	34	38	43	25	27	30	38	53	63	28	39	48
Financial administration	69	68	71	38	37	38	85	113	130	51	67	77
General control	112	117	113	66	64	69	147	207	230	96	125	151
Local utilities [5]	209	219	226	139	149	154	306	431	493	225	325	374
Water supply	93	96	99	50	52	54	116	161	182	70	98	111
Electric power	44	48	50	24	28	29	67	105	119	41	70	81
Transit	66	68	70	62	65	67	115	155	178	110	150	174
All other functions	171	141	141	127	100	100	208	246	267	159	185	203

X Not applicable. [1] Data are estimates subject to sampling variation; see source and Appendix III. [2] 1980 and 1984 based on enumerated resident population as of April 1, 1980; 1986 based on estimated resident population as of July 1. [3] 1986 data not comparable with previous years due to a change in how full-time equivalent was calculated. See text, section 9. [4] City-operated schools and colleges only. [5] Includes gas supply, not shown below.

Source: U.S. Bureau of the Census, *City Employment,* series GE, No. 2, annual.

No. 488. City Government Employment and Payroll—Selected Large Cities: 1980 to 1986

[For October. See text, section 9. See footnote 3, table 473, for those areas representing city/county consolidated governments]

CITIES RANKED BY 1986 POPULATION	TOTAL EMPLOYMENT (1,000)				FULL-TIME EQUIVALENT EMPLOYMENT					OCTOBER PAYROLL (mil. dol.)		AVERAGE EARNINGS IN OCTOBER, FULL-TIME EMPLOYEES (dol.)	
					Total (1,000)			Per 10,000 population [2]					
	1980	1984	1985	1986	1980	1984	1986 [1]	1980	1986 [1]	1980	1986	1980	1986
New York, NY [3] [4]	364	374	393	395	319	335	368	451	507	504	843	1,587	2,331
Los Angeles, CA	42	42	43	44	41	42	44	138	135	73	135	1,806	3,060
Chicago, IL	47	[5] 45	[5] 45	41	45	[5] 44	40	150	134	71	106	1,569	2,630
Houston, TX	18	20	21	21	18	20	21	111	120	26	40	1,499	1,927
Philadelphia, PA	33	33	33	39	32	32	32	189	195	51	73	1,611	2,298
Detroit, MI	22	18	20	21	22	18	20	179	187	40	51	1,852	2,527
San Diego, CA	8	8	8	9	7	7	8	81	81	12	20	1,773	2,474
Dallas, TX	14	15	[6] 15	[6] 15	14	15	[6] 15	153	[6] 144	20	[6] 28	1,465	[6] 1,945
San Antonio, TX	10	12	13	13	10	12	12	128	136	13	23	1,282	1,910
Phoenix, AZ	9	10	10	10	9	9	10	114	115	14	19	1,517	1,838
Honolulu, HI	9	9	9	9	9	8	8	117	103	12	17	1,401	2,051
Baltimore, MD [3] [4]	44	34	31	31	40	30	31	514	406	47	60	1,172	2,023
San Francisco, CA	21	24	25	24	21	24	24	310	325	37	70	1,761	2,888
Indianapolis, IN	13	11	12	13	12	11	12	174	167	13	19	1,098	1,819
San Jose, CA	[7] 4	5	5	6	[7] 4	4	5	[7] 60	70	[7] 7	15	[7] 1,714	3,163
Memphis, TN [3]	25	[5] 27	23	[8] 24	22	[5] 23	[8] 20	342	[8] 308	29	[8] 38	1,335	[8] 1,929
Washington, DC [3] [4]	45	42	44	44	42	40	42	651	678	73	106	1,761	2,554
Jacksonville, FL	[9] 11	9	9	10	[9] 11	8	9	[9] 202	147	[9] 11	19	[9] 1,031	2,258
Milwaukee, WI	10	9	9	9	9	9	9	145	146	15	20	1,631	2,280
Boston, MA [3]	[7] 28	[10] 21	21	21	[7] 25	[10] 19	21	[7] 444	365	[7] 35	46	[7] 1,398	2,190
Columbus, OH	8	7	7	7	7	6	7	122	119	10	13	1,498	2,027
New Orleans, LA	[11] 13	11	11	[12] 11	[11] 13	11	[12] 11	[11] 225	[12] 201	[11] 11	[12] 18	[11] 919	[12] 1,602
Cleveland, OH	10	9	9	9	9	8	9	160	160	13	19	1,460	2,172
Denver, CO	13	11	12	12	12	11	12	244	231	18	27	1,540	2,378
El Paso, TX	5	5	[6] 5	4	4	4	4	104	89	3	7	942	1,631
Seattle, WA	10	10	10	10	9	9	9	188	195	77	24	1,830	2,634
Nashville-Davidson, TN [3]	[13] 18	17	18	[8] 17	[13] 17	16	[8] 17	[13] 374	[8] 357	[13] 22	[8] 32	[13] 1,295	[8] 1,906
Austin, TX	8	9	10	10	7	9	10	199	213	10	21	1,515	2,160
Oklahoma City, OK	5	5	[6] 5	5	4	5	5	104	102	6	9	1,323	1,947
Kansas City, MO	7	7	8	6	7	7	6	145	136	9	13	1,368	2,130
Fort Worth, TX	[9] 5	5	5	5	[9] 5	5	5	[9] 120	116	[9] 5	10	[9] 1,198	2,065
St. Louis, MO	13	11	9	8	13	10	8	280	186	15	15	1,279	1,891
Atlanta, GA	8	8	8	7	8	8	7	187	174	10	14	1,230	1,862
Long Beach, CA	[7] 5	5	5	5	[7] 4	5	5	[7] 122	126	[7] 7	13	[7] 1,678	2,681
Portland, OR	5	5	[6] 5	5	4	4	5	115	117	8	11	1,916	2,594
Pittsburgh, PA	[11] 6	6	6	6	[11] 6	6	6	[11] 135	153	[11] 6	12	[11] 1,116	2,093
Miami, FL	4	4	4	5	4	4	4	118	112	6	11	1,408	2,790
Tulsa, OK	[7] 4	[7] 4	[7] 4	4	[7] 4	[7] 4	4	[7] 115	111	[7] 5	8	[7] 1,184	1,994
Cincinnati, OH	7	7	6	7	7	6	6	174	160	10	13	1,527	2,176
Baton Rouge, LA	[11] 4	5	5	5	[11] 4	5	5	[11] 106	132	[11] 3	8	[11] 908	1,864
Albuquerque, NM	[9] 4	6	6	6	[9] 4	5	5	[9] 119	142	[9] 4	9	[9] 1,135	1,955
Tucson, AZ	4	4	5	5	4	4	5	124	131	6	10	1,474	2,178
Oakland, CA	4	4	4	4	4	4	4	109	111	7	11	2,011	2,776
Minneapolis, MN	6	6	5	6	5	5	6	136	170	9	13	1,821	2,240
Charlotte, NC	4	4	4	4	4	4	4	125	118	5	8	1,290	1,958
Omaha, NE	3	3	3	3	3	3	3	92	82	5	7	1,684	2,476
Toledo, OH	4	3	3	3	3	3	3	96	96	6	8	1,758	2,430
Virginia Beach, VA [3]	10	10	11	11	9	9	11	346	321	11	18	1,204	1,725
Buffalo, NY [3]	14	12	12	12	13	11	11	348	334	18	23	1,475	2,155
Sacramento, CA	3	3	3	4	3	3	3	119	102	6	8	1,762	2,602
Newark, NJ [14]	12	[15] 5	[15] 5	[15] 5	12	[15] 5	[15] 5	374	[15] 154	17	[15] 8	1,387	[15] 1,698
Wichita, KS	3	3	3	3	3	3	3	111	96	4	5	1,327	1,963
Louisville, KY	6	5	5	5	6	4	5	188	158	7	7	1,358	1,622
Fresno, CA	3	3	3	3	3	2	2	115	88	4	6	1,607	2,481
Tampa, FL	5	4	4	4	5	4	4	165	143	5	8	1,178	1,971
Birmingham, AL	4	4	4	4	4	3	4	128	133	5	7	1,333	1,855
Norfolk, VA [3]	11	11	11	11	10	10	10	380	378	12	19	1,222	1,896
Colorado Springs, CO	4	4	5	5	3	4	5	158	176	5	10	1,445	2,124
Corpus Christi, TX	[11] 3	3	3	3	[11] 3	3	3	[11] 123	112	[11] 3	5	[11] 942	1,700
St. Paul, MN	4	3	3	3	3	3	3	125	123	6	8	1,734	2,580
Mesa, AZ	1	2	2	2	1	2	2	89	76	2	5	1,592	2,720
Arlington, TX	[9] 1	2	2	2	[9] 1	1	2	[9] 63	82	[9] 1	4	[9] 1,180	2,012
Anaheim, CA	2	3	3	3	2	2	2	91	87	3	6	1,616	2,785
St. Petersburg, FL	3	3	3	3	3	3	3	138	122	4	5	1,173	1,949
Santa Ana, CA	2	2	2	2	1	1	2	68	73	2	5	1,819	2,944
Rochester, NY [3]	[13] 10	8	[16] 9	8	[13] 9	7	8	[13] 356	320	[13] 14	19	[13] 1,630	2,548
Anchorage, AK [3]	8	9	[16] 9	9	7	8	8	397	347	16	28	2,286	3,523
Akron, OH	3	3	3	3	3	3	3	123	126	4	5	1,509	2,004
Shreveport, LA	3	3	3	3	3	3	3	142	131	3	4	954	1,458
Jersey City, NJ [3]	9	8	9	10	8	8	9	351	417	11	19	1,397	2,109
Aurora, CO	2	2	2	2	2	2	2	98	76	2	4	1,418	2,144
Richmond, VA [3]	[13] 10	10	10	10	[13] 10	10	10	[13] 454	437	[13] 12	19	[13] 1,225	1,959
Lexington-Fayette, KY	3	3	4	3	2	3	3	122	126	3	4	1,055	1,665
Jackson, MS	3	3	3	2	3	3	2	135	111	3	4	1,045	1,663
Mobile, AL	[7] 3	2	2	2	[7] 3	2	2	[7] 138	106	[7] 3	4	[7] 1,047	1,828

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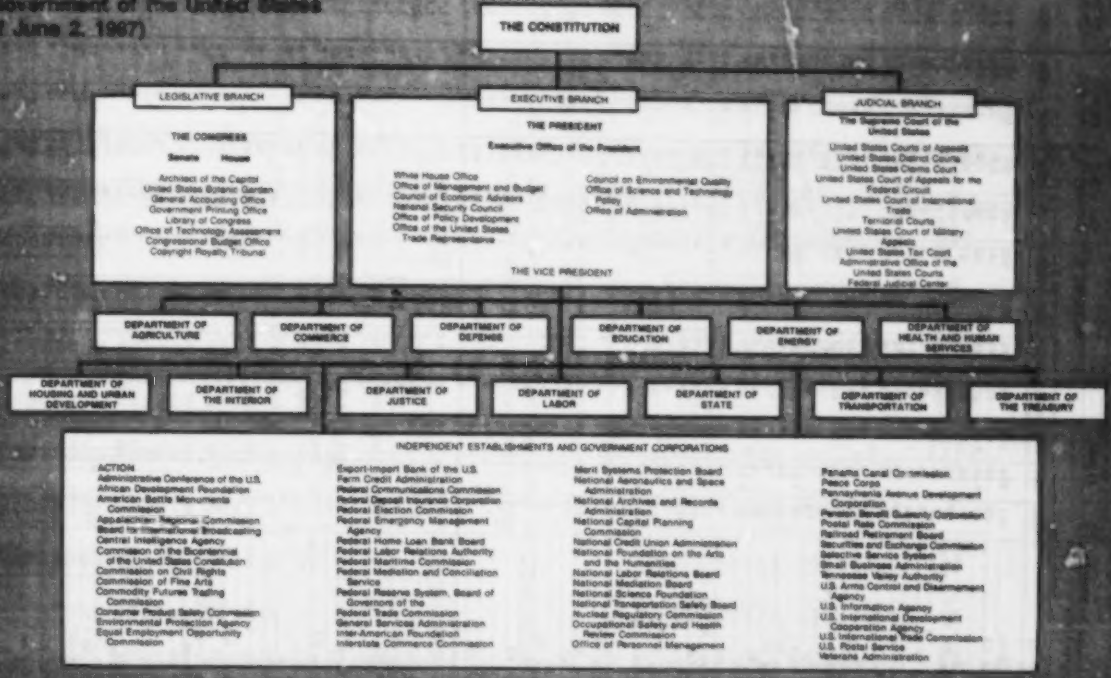
[1] 1986 data not comparable to previous years due to a change in how full-time equivalent was calculated. See text. [2] Based on 1980 enumerated resident population as of April 1 and 1986 estimated resident population as of July 1. [3] Includes city-operated elementary and secondary schools. [4] Includes city-operated university or college. [5] 1982 data. [6] 1984 data. [7] 1979 data. [8] Noneducation data are for 1985. [9] 1978 data. [10] Includes 1982 education data. [11] 1977 data. [12] 1985 data. [13] Noneducation data are for 1979. [14] Effective 1983, city no longer has dependent schools. [15] 1983 data. [16] Noneducation data are for 1984.

Source: U.S. Bureau of the Census, *City Employment*, series GE, No. 2, annual.

Figure 10.1
The Government of the United States
(As of June 2, 1987)


THE CONSTITUTION
LEGISLATIVE BRANCH
THE CONGRESS
Senate
House
Architect of the Capitol
United States Botanic Garden
General Accounting Office
Government Printing Office
Library of Congress
Office of Technology Assessment
Congressional Budget Office
Copyright Royalty Tribunal
EXECUTIVE BRANCH
THE PRESIDENT
Executive Office of the President
White House Office
Office of Management and Budget
Council of Economic Advisors
National Security Council
Office of Policy Development
Office of the United States Trade Representative
Council on Environmental Quality
Office of Science and Technology Policy
Office of Administration
THE VICE PRESIDENT
JUDICIAL BRANCH
The Supreme Court of the United States
United States Courts of Appeals
United States District Courts
United States Claims Court
United States Court of Appeals for the Federal Circuit
United States Court of International Trade
Territorial Courts
United States Court of Military Appeals
United States Tax Court
Administrative Office of the United States Courts
Federal Judicial Center
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
DEPARTMENT OF DEFENSE
DEPARTMENT OF EDUCATION
DEPARTMENT OF ENERGY
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
DEPARTMENT OF THE INTERIOR
DEPARTMENT OF JUSTICE
DEPARTMENT OF LABOR
DEPARTMENT OF STATE
DEPARTMENT OF TRANSPORTATION
DEPARTMENT OF THE TREASURY
INDEPENDENT ESTABLISHMENTS AND GOVERNMENT CORPORATIONS
ACTION
Administrative Conference of the U.S.
African Development Foundation
American Battle Monuments Commission
Appalachian Regional Commission
Board for International Broadcasting
Central Intelligence Agency
Commission on the Bicentennial of the United States Constitution
Commission on Civil Rights
Commission of Fine Arts
Commodity Futures Trading Commission
Consumer Product Safety Commission
Environmental Protection Agency
Equal Employment Opportunity Commission
Export-Import Bank of the U.S.
Farm Credit Administration
Federal Communications Commission
Federal Deposit Insurance Corporation
Federal Election Commission
Federal Emergency Management Agency
Federal Home Loan Bank Board
Federal Labor Relations Authority
Federal Maritime Commission
Federal Mediation and Conciliation Service
Federal Reserve System, Board of Governors of the
Federal Trade Commission
General Services Administration
Inter-American Foundation
Interstate Commerce Commission
Merit Systems Protection Board
National Aeronautics and Space Administration
National Archives and Records Administration
National Capital Planning Commission
National Credit Union Administration
National Foundation on the Arts and the Humanities
National Labor Relations Board
National Mediation Board
National Science Foundation
National Transportation Safety Board
Nuclear Regulatory Commission
Occupational Safety and Health Review Commission
Office of Personnel Management
Panama Canal Commission
Peace Corps
Pennsylvania Avenue Development Corporation
Pension Benefit Guaranty Corporation
Postal Rate Commission
Railroad Retirement Board
Securities and Exchange Commission
Selective Service System
Small Business Administration
Tennessee Valley Authority
U.S. Arms Control and Disarmament Agency
U.S. Information Agency
U.S. International Development Cooperation Agency
U.S. International Trade Commission
U.S. Postal Service
Veterans Administration

[illegible]

Section **10**

Federal Government Finances and Employment

This section presents statistics relating to the financial structure and the civilian employment of the Federal Government. The fiscal data cover taxes, other receipts, outlays, and debt. The principal sources of fiscal data are *The Budget of the United States Government* and related documents, published annually by the Office of Management and Budget (OMB), and the Department of the Treasury's *United States Government Annual Report* and its *Appendix*. Detailed data on tax returns and collections are published annually by the Internal Revenue Service. The personnel data relate to staffing and payrolls for the various public functions and agencies, to employee characteristics, and to civil service status; they are published by the Office of Personnel Management and the Bureau of Labor Statistics (see p. 302). The primary source for data on public lands is *Public Land Statistics*, published annually by the Bureau of Land Management, Department of the Interior. Data on federally owned land and real property are collected by the General Services Administration and presented in its annual *Inventory Report on Real Property Owned by the United States Throughout the World.*

Budget concept.—Under the unified budget concept, all Federal monies are included in one comprehensive budget. These monies comprise both Federal funds and trust funds. Federal funds are derived mainly from taxes and borrowing and are not restricted by law to any specific government purpose. Trust funds, such as the Unemployment Trust Fund, collect certain taxes and other receipts for use in carrying out specific purposes or programs in accordance with the terms of the trust agreement or statute. Fund balances include both cash balances with Treasury and investments in U.S. securities. Part of the balance is obligated, part unobligated. In recent years, the budget totals, under provisions of law, have excluded some Federal activities—including the Federal Financing Bank, the Postal Service, the Synthetic Fuels Corporation, and the lending activities of the Rural Electrification Administration. The Balanced Budget and Emergency Deficit Control Act of 1985 (P.L. 99-177) repealed the off-budget status of these entities and placed social security (Federal old-age and survivors insurance and the Federal disability insurance trust funds) off-budget. Though social security is now off-budget and, by law, excluded from coverage of the congressional budget resolutions, it continues to be a Federal program. Data showing unified budget totals of budget receipts and outlays that incorporate social security are presented in the 1989 Budget for the years 1936 to 1993; more detailed tables generally show data since 1976.

Receipts arising from the Government's sovereign powers are reported as governmental receipts; all other receipts, i.e., from business-type or market-oriented activities, are offset against outlays. Outlays are reported on a checks-issued (net) basis (i.e., outlays are recorded at the time the checks to pay bills are issued).

Debt concept.—For most of U.S. history, the total debt consisted of debt borrowed by the Treasury (i.e., public debt). The present debt series, includes both public debt and agency debt. The *gross Federal debt* includes money borrowed by the Treasury and by various Federal agencies; it is the broadest generally used measure of the Federal debt. *Total public debt* is covered by a statutory debt limitation, currently $2.8 trillion, and includes only borrowing by the Treasury.

Treasury receipts and outlays.—All receipts of the Government, with a few exceptions, are deposited to the credit of the U.S. Treasury regardless of ultimate disposition. Under the Constitution, no money may be withdrawn from the Treasury unless appropriated by the Congress.

The day-to-day cash operations of the Federal Government clearing through the accounts of the U.S. Treasury are reported in the *Daily Treasury Statement.* Extensive detail on the public debt is published in the *Monthly Statement of the Public Debt of the United States.*

Budget receipts such as taxes, customs duties, and miscellaneous receipts, which are collected by Government agencies, and outlays represented by checks issued and cash payments made by disbursing officers as well as government agencies are reported in the *Monthly Treasury Statement* *of Receipts and Outlays of the United States Government* and in the Treasury's *United States Government Annual Report* and its *Appendix*. These deposits in, and payments from, accounts maintained by Government agencies are on the same basis as the unified budget.

The quarterly *Treasury Bulletin* contains data on fiscal operations and related Treasury activities, including financial statements of Government corporations and other business-type activities.

Income tax returns and tax collections.—Tax data are compiled by the Internal Revenue Service of the Treasury Department. The *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service* gives a detailed account of tax collections by kind of tax and by regions, districts, and States. The agency's annual *Statistics of Income* reports present detailed data from individual income tax returns and corporation income tax returns. The quarterly *Statistics of Income Bulletin* has, in general, replaced the supplemental *Statistics of Income* publications which presented data on such diverse subjects as tax-exempt organizations, unincorporated businesses, fiduciary income tax and estate tax returns, sales of capital assets by individuals, international income and taxes reported by corporations and individuals, and estate tax wealth.

Employment and payrolls.—The Office of Personnel Management collects employment and payroll data from all departments and agencies of the Federal Government, except the Central Intelligence Agency, the National Security Agency, and the Defense Intelligence Agency. Employment figures represent the number of persons who occupied civilian positions at the end of the report month shown and who are paid for personal services rendered for the Federal Government, regardless of the nature of appointment or method of payment.

Federal payrolls include all payments for personal services rendered during the report month and payments for accumulated annual leave of employees who separate from the service. Since most Federal employees are paid on a biweekly basis, the calendar month earnings are partially estimated on the basis of the number of work days in each month where payroll periods overlap.

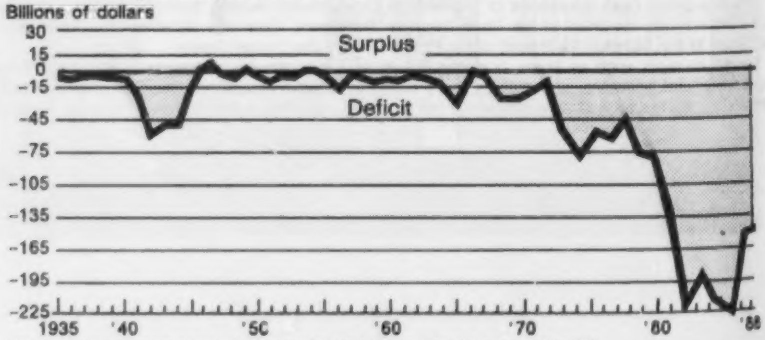
Federal employment and payroll figures are published by the Office of Personnel Management in its *Federal Civilian Workforce Statistics—Employment and Trends*. It also publishes biennial employment data for minority groups, data on occupations of white- and blue-collar workers, and data on employment by geographic area; reports on salary and wage distribution of Federal employees are published annually. General schedule is primarily white collar; wage system primarily blue collar. Data on Federal employment are also issued by the Bureau of Labor Statistics in its *Monthly Labor Review* and in *Employment and Earnings* and by the Bureau of the Census in its annual *Public Employment*.

Public lands.—The data on applications, entries, selections, patents, and certifications refer to transactions which involve the disposal, under the public land laws (including the homestead laws), of Federal public lands to non-Federal owners. In general, original entries and selections are applications to secure title to public lands which have been accepted as properly filed (i.e., allowed). Some types of applications, however, are not reported until issuance of the final certificate, which passes equitable title to the land to the applicant. Applications are approved when full compliance with the requirements of the laws is shown and become final entries (perfected entries) upon issuance of a final certificate. Patents are Government deeds which pass legal title to the land to the applicant. Certifications are issued in lieu of patents in connection with certain State selections.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Figure 10.2

Federal Budget Surplus or Deficit: 1935 to 1988



Source: Chart prepared by U.S. Bureau of the Census. For data see table 489.

No. 489. Federal Budget—Summary: 1945 to 1988

[In billions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. The Balanced Budget and Emergency Deficit Control Act of 1985 put all the previously off-budget Federal entities into the budget and moved Social Security off-budget. Minus sign (−) indicates deficit or decrease. See also *Historical Statistics, Colonial Times to 1970*, series Y 339-342]

YEAR	RECEIPTS			OUTLAYS					SURPLUS OR DEFICIT (−)			Outstanding gross debt [2]	AVERAGE ANNUAL PERCENT CHANGE [3]					PERCENT OF GNP [4]				Outlays, off-budget
														OUTLAYS				OUTLAYS				
	Total [1]	Federal funds	Trust funds	Total [1]	Federal funds	Trust funds	Human resources	National defense	Total [1]	Federal funds	Trust funds		Receipts	Total	Federal funds	Trust funds	Outstanding gross debt	Total	Human resources	National defense	Outstanding gross debt	
1945	45.2	41.9	3.6	92.7	94.8	−.6	1.9	83.0	−47.6	−53.0	4.3	260.1	3.2	1.5	2.8	(X)	[5] 27.5	43.6	.9	39.1	122.5	.1
1950	39.4	35.3	3.5	42.6	38.4	5.1	14.2	13.7	−3.1	−3.1	−1.6	256.9	−2.7	−14.4	−16.6	(X)	−.3	16.0	5.3	5.1	96.3	.5
1955	65.5	58.2	3.1	68.4	62.3	3.0	14.9	42.7	−3.0	−4.2	.1	274.4	10.7	10.0	10.2	−10.0	1.3	17.7	3.9	11.1	71.0	4.0
1960	92.5	75.6	7.8	92.2	74.9	8.1	26.2	48.1	.3	.8	−.3	290.9	7.2	6.1	3.7	21.9	1.2	18.2	5.2	9.5	57.4	10.9
1961	94.4	75.2	9.4	97.7	79.4	9.0	29.8	49.6	−3.3	−4.2	.4	292.9	2.0	6.0	6.0	10.7	.7	18.9	5.8	9.6	56.5	11.7
1962	99.7	79.7	9.9	106.8	86.5	8.9	31.6	52.3	−7.1	−6.8	1.0	303.3	5.6	9.3	9.0	−.8	3.5	19.2	5.7	9.4	54.4	13.5
1963	106.6	84.0	10.8	111.3	90.6	8.1	33.5	53.4	−4.8	−6.6	2.7	310.8	6.9	4.2	4.7	−8.8	2.5	18.9	5.7	9.1	52.9	15.0
1964	112.6	87.5	11.2	118.5	96.1	9.2	35.3	54.8	−5.9	−8.6	2.0	316.8	5.7	6.5	6.0	12.8	1.9	18.8	5.6	8.7	50.3	15.7
1965	116.8	90.9	11.5	118.2	94.9	9.2	36.6	50.6	−1.4	−3.9	2.3	323.2	3.7	−.3	−1.3	.8	2.0	17.6	5.4	7.5	48.0	16.5
1966	130.8	101.4	12.9	134.5	106.6	10.8	43.3	58.1	−3.7	−5.2	2.1	329.5	12.0	13.8	12.4	16.8	2.0	18.2	5.9	7.9	44.6	19.7
1967	148.8	111.8	16.5	157.5	127.5	13.4	51.3	71.4	−8.6	−15.7	3.1	341.3	13.7	17.0	19.7	24.3	3.6	19.8	6.5	9.0	43.0	20.4
1968	153.0	114.7	17.6	178.1	143.1	16.9	59.4	81.9	−25.2	−28.4	.6	369.8	2.8	13.1	12.2	26.2	8.3	21.0	7.0	9.6	43.5	22.3
1969	186.9	143.3	20.1	183.6	148.2	15.7	66.4	82.5	3.2	−4.9	4.4	367.1	22.2	3.1	3.6	−7.4	−.7	19.8	7.1	8.9	39.5	25.2
1970	192.8	143.2	22.3	195.6	156.3	17.8	75.3	81.7	−2.8	−13.2	4.5	382.6	3.2	6.5	5.5	13.6	4.2	19.8	7.6	8.3	38.6	27.6
1971	187.1	133.8	26.0	210.2	163.7	22.2	91.9	78.9	−23.0	−29.9	3.8	409.5	−2.9	7.4	4.7	24.5	7.0	19.9	8.7	7.5	38.8	32.8
1972	207.3	148.8	28.4	230.7	178.1	25.5	107.2	79.2	−23.4	−29.3	2.9	437.3	10.8	9.8	8.8	15.0	6.8	20.0	9.3	6.9	37.9	39.9
1973	230.8	161.4	41.2	245.7	187.0	30.9	119.5	76.7	−14.9	−25.7	10.3	468.4	11.3	6.5	5.0	21.0	7.1	19.2	9.3	6.0	36.6	45.6
1974	263.2	181.2	46.1	269.4	201.4	33.9	135.8	79.3	−6.1	−20.1	12.2	486.2	14.0	9.6	7.7	9.7	3.8	19.0	9.6	5.6	34.3	52.1
1975	279.1	187.5	51.0	332.3	248.2	45.6	173.2	86.5	−53.2	−60.7	5.4	544.1	6.0	23.4	23.2	34.4	11.9	21.8	11.4	5.7	35.7	60.4
1976	298.1	201.1	61.8	371.8	277.2	56.2	203.6	89.6	−73.7	−76.1	5.6	631.9	6.8	11.9	11.7	23.3	16.1	21.9	12.0	5.3	37.2	69.6
1976 [6]	81.2	54.1	13.3	96.0	66.9	13.8	52.1	22.3	−14.7	−12.8	−.5	646.4	(X)	(X)	(X)	(X)	(X)	21.4	11.6	5.0	36.0	19.4
1977	355.6	241.3	70.3	409.2	304.5	56.9	221.9	97.2	−53.6	−63.1	13.4	709.1	19.3	10.1	9.8	1.3	12.2	21.2	11.5	5.0	36.7	80.7
1978	399.6	270.5	76.9	458.7	342.4	59.9	242.3	104.5	−59.2	−71.9	17.0	780.4	12.4	12.1	12.4	5.2	10.1	21.1	11.2	4.8	35.9	89.7
1979	463.3	316.4	86.0	503.5	374.9	65.7	267.6	116.3	−40.2	−58.5	20.3	833.8	16.0	9.8	9.5	9.6	6.8	20.6	10.9	4.8	34.1	100.0
1980	517.1	350.9	94.7	590.9	433.5	84.8	313.4	134.0	−73.8	−82.6	9.9	914.3	11.6	17.4	15.6	29.1	9.7	22.1	11.7	5.0	34.2	114.3
1981	599.3	410.4	106.0	678.2	496.2	94.2	362.0	157.5	−78.9	−85.8	11.8	1,003.9	15.9	14.8	14.5	11.1	9.8	22.7	12.1	5.3	33.6	135.2
1982	617.8	409.3	122.1	745.7	543.4	107.9	388.7	185.3	−127.9	−134.2	14.2	1,147.0	3.1	10.0	9.5	14.6	14.2	23.8	12.4	5.9	36.5	151.4
1983	600.6	382.3	147.3	808.3	613.2	124.4	426.0	209.9	−207.8	−230.8	22.9	1,381.9	−2.8	8.5	12.8	15.3	20.5	24.3	12.8	6.3	41.6	147.1
1984	666.5	419.6	158.1	851.8	637.8	125.4	432.0	227.4	−185.3	−218.2	32.6	1,576.7	11.0	5.2	4.0	.8	14.1	23.1	11.7	6.2	42.8	165.8
1985	734.1	459.5	197.5	946.3	725.9	152.7	471.8	252.7	−212.3	−266.4	44.8	1,827.5	10.1	11.1	13.8	21.8	15.9	24.0	12.0	6.4	46.3	176.8
1986	769.1	473.5	206.9	990.3	756.5	161.4	481.6	273.4	−221.2	−283.0	45.1	2,130.0	4.8	4.6	4.2	6.0	16.6	23.6	11.5	6.5	50.8	183.5
1987	854.1	537.8	216.6	1,004.6	760.9	163.6	502.2	282.0	−150.4	−223.1	53.1	2,355.3	11.1	1.4	.6	1.1	10.6	22.8	11.4	6.4	53.4	193.8
1988, est	909.2	560.8	231.5	1,055.9	805.0	170.8	534.0	285.4	−146.7	−244.2	60.7	2,581.6	6.4	5.1	5.8	4.4	9.6	22.4	11.3	6.1	54.9	203.1

X Not applicable. [1] Includes off-budget receipts, outlays, and interfund transactions. [2] End of fiscal year. See text, section 10 for discussion of debt concept. [3] For explanation of average annual percent change, see Guide to Tabular Presentation. [4] Gross national product as of fiscal year; for calendar year GNP, see table 688. [5] Change from 1944; from previous year shown for all other years. [6] Represents transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

No. 490. Federal Receipts, by Source, and Outlays, by Function: 1970 to 1988

[In billions of dollars. For fiscal years ending in year shown; see text, section 9. Receipts reflect collections; outlays stated in terms of checks issued or cash payments. Covers both Federal funds and trust funds (see text, section 10). Excludes government-sponsored but privately-owned corporations, Federal Reserve System, District of Columbia government, and money held in suspense as deposit funds. See *Historical Statistics, Colonial Times to 1970*, series Y 335-338, Y 343-351, and Y 472-487 for related data]

SOURCE OR FUNCTION	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988, est.	PERCENT DISTRIBUTION	
											1980	1988
Surplus or deficit (−)	−2.8	−53.2	−73.8	−127.9	−207.8	−185.3	−212.3	−221.2	−150.4	−146.7	(X)	(X)
BY SOURCE												
Total receipts [1]	192.8	279.1	517.1	617.8	600.6	666.5	734.1	769.1	854.1	909.2	100.00	100.00
Individual income taxes	90.4	122.4	244.1	297.7	288.9	298.4	334.5	349.0	392.6	393.4	47.20	43.27
Corporation income taxes	32.8	40.6	64.6	49.2	37.0	56.9	61.3	63.1	83.9	105.6	12.49	11.61
Social insurance taxes and contributions	44.4	84.5	157.8	201.5	209.0	239.4	265.2	283.9	303.3	331.5	30.52	36.46
Employment taxes and contributions	39.1	75.2	138.7	180.7	185.8	209.7	234.6	255.1	273.0	303.1	26.83	33.33
Unemployment insurance	3.5	6.8	15.3	16.6	18.8	25.1	25.8	24.1	25.6	23.7	2.97	2.61
Contributions for other insurance and retirement	1.8	2.6	3.7	4.2	4.4	4.6	4.8	4.7	4.7	4.7	.72	.52
Excise taxes	15.7	16.6	24.3	36.3	35.3	37.4	36.0	32.9	32.5	35.3	4.70	3.88
Estate and gift taxes	3.6	4.6	6.4	8.0	6.1	6.0	6.4	7.0	7.5	7.6	1.24	.83
Customs duties	2.4	3.7	7.2	8.9	8.7	11.4	12.1	13.3	15.1	16.4	1.39	1.80
Miscellaneous receipts	3.4	6.7	12.7	16.2	15.6	17.0	18.5	19.9	19.3	19.4	2.47	2.13
Federal Reserve earning deposits	3.3	5.9	11.8	15.2	14.5	15.7	17.1	18.4	16.8	16.1	2.28	1.77
BY FUNCTION												
Total outlays [1]	195.6	332.3	590.9	745.7	808.3	851.8	946.3	990.3	1,004.6	1,055.9	100.00	100.00
National defense [1]	81.7	86.5	134.0	185.3	209.9	227.4	252.7	273.4	282.0	285.4	22.68	27.03
Dept. of Defense, military	80.1	84.9	130.9	180.7	204.4	220.9	245.1	265.5	274.0	277.3	22.15	26.26
Atomic energy defense activities	1.4	1.5	2.9	4.3	5.2	6.1	7.1	7.4	7.5	7.6	.49	.72
Defense related activities	.2	.2	.2	.3	.3	.4	.5	.5	.6	.5	.04	.05
International affairs [1]	4.3	7.1	12.7	12.3	11.8	15.9	16.2	14.2	11.6	9.9	2.15	.94
International development and humanitarian assistance	2.3	3.1	3.6	3.8	4.0	4.5	5.4	5.0	4.3	4.7	.61	.45
Conduct of foreign affairs	.4	.7	1.4	1.6	1.8	1.9	2.1	2.3	2.2	2.7	.23	.26
Foreign information and exchange	.2	.3	.5	.6	.6	.7	.8	.9	1.0	1.1	.09	.11
International financial programs activities	.3	.4	2.4	.9	−1.1	.9	−1.5	−4.5	−3.0	−1.1	.41	−.10
International security assistance	1.1	2.5	4.6	5.4	6.6	7.9	9.4	10.5	7.1	2.4	.81	.23
Income security	15.6	50.2	86.5	107.7	122.6	112.7	128.2	119.8	123.3	129.6	14.64	12.27
General retirement and disability insurance	1.0	4.7	5.1	5.6	5.6	5.4	5.6	5.3	5.6	4.9	.86	.46
Federal employee retirement and disability	5.5	13.2	26.6	34.3	36.5	38.1	38.6	41.4	43.7	46.2	4.50	4.37
Housing assistance	.5	2.1	5.6	8.7	10.0	11.3	25.3	12.4	12.7	13.8	.95	1.31
Food and nutrition assistance	1.0	6.6	14.0	15.6	18.0	18.1	18.5	18.6	18.9	20.5	2.37	1.94
Other income security	4.3	10.1	17.2	19.6	21.1	21.4	22.7	24.4	25.3	28.4	2.91	2.69
Unemployment insurance	3.4	13.5	18.1	23.7	31.5	18.4	17.5	17.8	17.1	15.8	3.05	1.49
Health	5.9	12.9	23.2	27.4	28.6	30.4	33.5	35.9	40.0	44.5	3.92	4.21
Health care services	4.0	9.5	18.0	21.8	23.0	24.5	27.0	28.9	32.6	36.3	3.05	3.44
Health research	1.1	1.9	3.4	3.9	4.0	4.4	4.9	5.4	5.6	6.5	.58	.61
Education and training of health care workforce	.6	.9	.7	.7	.6	.4	.5	.5	.6	.4	.12	.04
Consumer and occupational health and safety	.2	.6	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	.17	.12
Social Security and medicare	36.5	77.6	150.6	202.5	223.3	235.8	254.4	268.9	282.5	298.6	25.49	28.28
Social Security	30.3	64.7	118.5	156.0	170.7	178.2	188.6	198.8	207.4	219.7	20.06	20.81
Medicare	6.2	12.9	32.1	46.6	52.6	57.5	65.8	70.2	75.1	78.9	5.43	7.47
Veterans benefits and services [1]	8.7	16.6	21.2	24.0	24.8	25.6	26.3	26.4	26.8	27.7	3.59	2.63
Income security	5.5	7.9	11.7	13.7	14.3	14.4	14.7	15.0	15.0	14.9	1.98	1.42
Education, training, and rehabilitation	1.0	4.6	2.3	1.9	1.6	1.4	1.1	.5	.5	.4	.40	.04
Hospital and medical care	1.8	3.7	6.5	7.5	8.3	8.9	9.5	9.9	10.3	10.8	1.10	1.03
Housing	.1	(z)	(−z)	.1	(z)	.2	.2	.1	.3	.7	(x)	.06
Education, training, employment, and social services [1]	8.6	16.0	31.8	27.0	26.6	27.6	29.3	30.6	29.7	33.7	5.39	3.19
Elementary, secondary, and vocational education	2.9	4.4	6.9	6.6	6.2	6.5	7.6	7.8	7.0	8.6	1.17	.82
Higher education	1.4	2.2	6.7	7.2	7.2	7.4	8.2	8.4	7.4	8.5	1.14	.80
Research and general education aids	.4	.8	1.2	1.0	1.1	1.2	1.1	1.2	1.3	1.4	.20	.13
Training and employment	1.6	4.1	10.3	5.5	5.3	4.6	5.0	5.3	5.1	5.2	1.75	.49
Social services	2.3	4.4	6.1	6.0	6.1	7.2	6.7	7.2	7.4	8.2	1.03	.78

See footnotes at end of table.

No. 490. Federal Receipts, by Source, and Outlays, by Function: 1970 to 1988—Con.

[In billions of dollars. See headnote, p. 304]

SOURCE OR FUNCTION	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988, est.	PERCENT DISTRIBUTION	
											1980	1988
Commerce and housing credit	2.1	9.9	9.4	6.3	6.7	6.9	4.2	4.9	6.2	12.4	1.59	1.17
Mortgage credit and thrift insurance	.1	6.0	5.6	4.0	3.9	3.8	.9	2.3	3.1	8.2	.95	.78
Payment to Postal Service	1.5	3.0	1.2	.2	1.1	1.2	1.4	.8	1.6	2.2	.21	.21
Other commerce	.5	1.0	2.5	2.1	1.7	1.9	2.0	1.8	1.5	1.9	.43	.18
Transportation [1]	7.0	10.9	21.3	20.6	21.3	23.7	25.8	28.1	26.2	27.2	3.61	2.58
Ground transportation	4.7	7.0	15.3	14.3	14.3	16.2	17.6	18.7	17.2	17.8	2.59	1.69
Air transportation	1.4	2.4	3.7	3.5	4.0	4.4	4.9	5.3	5.5	6.0	.63	.57
Water transportation	.9	1.4	2.2	2.7	3.0	3.0	3.2	4.0	3.5	3.3	.38	.31
Natural resources and environment [1]	3.1	7.3	13.9	13.0	12.7	12.6	13.4	13.6	13.4	15.1	2.35	1.43
Water resources	1.5	2.6	4.2	3.9	3.9	4.1	4.1	4.0	3.8	4.2	.71	.39
Conservation and land management	.4	.7	1.0	1.1	1.5	1.3	1.5	1.4	1.5	2.5	.18	.24
Recreational resources	.4	.8	1.7	1.4	1.5	1.6	1.6	1.5	1.6	1.8	.28	.17
Pollution control and abatement	.4	2.5	5.5	5.0	4.3	4.0	4.5	4.8	4.9	4.8	.93	.46
Other natural resources	.4	.8	1.4	1.5	1.5	1.6	1.7	1.9	1.7	1.9	.24	.18
Energy [1]	1.0	2.9	10.2	13.5	9.4	7.1	5.7	4.7	4.1	2.7	1.72	.26
Supply	.9	2.4	8.4	8.3	6.1	3.3	2.6	2.8	2.3	1.2	1.42	.11
Conservation	-	(z)	.6	.5	.5	.5	.5	.5	.3	.3	.10	.03
Emergency preparedness	-	(z)	.3	3.9	1.9	2.5	1.8	.6	.8	.6	.06	.06
Information, policy, and regulation	.1	.4	.9	.9	.9	.8	.7	.8	.7	.6	.15	.06
Community and regional development	2.4	4.3	11.3	8.3	7.6	7.7	7.7	7.2	5.1	6.3	1.90	.60
Community development	1.4	2.3	4.9	4.6	4.4	4.5	4.6	4.1	3.7	3.8	.83	.36
Area and regional development	.7	1.6	4.3	3.8	3.2	3.0	3.1	2.7	1.6	2.5	.73	.24
Disaster relief and insurance	.3	.4	2.0	−.1	(−z)	.1	(−z)	.4	−.2	.1	.35	.01
Agriculture [1]	5.2	3.0	8.8	15.9	22.9	13.6	25.6	31.4	27.4	22.4	1.50	2.12
Farm income stabilization	4.6	2.2	7.4	14.3	21.3	11.9	23.8	29.6	25.5	20.3	1.26	1.93
Research and services	.6	.9	1.4	1.6	1.6	1.7	1.8	1.8	1.9	2.0	.24	.19
Net interest	14.4	23.2	52.5	85.0	89.8	111.1	129.4	136.0	138.6	147.9	8.89	14.00
General science, space, and technology [2]	4.5	4.0	5.8	7.2	7.9	8.3	8.6	9.0	9.2	10.9	.99	1.03
General science and basic research	.9	1.0	1.4	1.6	1.8	1.8	2.0	2.2	2.3	2.5	.23	.23
Space flight	2.3	1.7	2.8	3.5	4.1	4.0	4.0	3.8	4.1	5.2	.44	.49
Space science, applications and technology	1.2	1.3	1.9	2.1	2.2	2.4	2.6	3.0	2.8	3.3	.31	.31
General government [1]	2.3	10.4	13.0	10.9	11.2	11.8	11.6	12.5	7.6	8.8	.75	.83
Legislative functions	.3	.6	1.0	1.2	1.2	1.3	1.4	1.4	1.4	1.6	.18	.15
Management, direction (Exec.)	(z)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.02	.01
Central fiscal operations	.9	1.9	2.6	2.6	3.1	3.3	3.5	3.6	3.9	5.3	.44	.50
General property and records management	.6	.4	.3	.2	.2	.2	.1	.5	.1	(−z)	.06	(x)
General purpose fiscal assistance	.5	7.2	8.6	6.4	6.5	6.8	6.4	6.4	1.6	1.8	1.45	.17
Administration of justice	1.0	3.0	4.6	4.7	5.1	5.7	6.3	6.6	7.5	9.0	.78	.85
Federal law enforcement	.6	1.3	2.2	2.5	2.9	3.2	3.5	3.6	4.1	5.0	.38	.47
Federal judicial activities [3]	.2	.6	1.3	1.5	1.6	1.8	2.1	2.2	2.5	2.8	.23	.27
Federal correctional activities	.1	.2	.3	.4	.4	.5	.5	.6	.7	.8	.05	.08
Criminal justice assistance	.1	.9	.7	.3	.2	.1	.2	.2	.3	.4	.11	.03
Undistributed offsetting receipts	−6.6	−13.6	−19.9	−26.1	−34.0	−32.0	−32.7	−33.0	[4]−36.5	−36.1	−3.37	−3.42
Employer share, employee retirement	−6.4	−11.2	−15.8	−19.8	−23.5	−25.3	−27.2	−28.3	−30.6	−33.0	−2.68	−3.12
Rents and royalties [5]	−.2	−2.4	−4.1	−6.3	−10.5	−6.7	−5.5	−4.7	−4.0	−3.2	−.69	−.30

- Represents zero. X Not applicable. Z Less than $50 million. [1] Totals reflect interfund and intragovernmental transactions and/or other functions, not shown separately. [2] Includes supporting space activities. [3] Includes litigative activities. [4] Includes sale of major assets (−1.9), not shown separately. [5] On Outer Continental Shelf.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government,* annual.

No. 491. Federal Budget Outlays in Current and Constant (1982) Dollars: 1970 to 1988

[For fiscal years ending in year shown; see text, section 9. Given the inherent imprecision in deflating outlays, the data sho in constant dollars present a reasonable perspective—not precision. The deflators and the categories that are deflated as a comparable over time as is feasible. See headnote, table 489. Minus sign (−) indicates decrease]

YEAR	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	Total	National defense	Total nondefense ¹	Payments for individuals ²	Net interest ³	Aid to State and local govt.	Total	National defense	Total nondefense ¹	Payments for individuals ²	Net interest ³	Aid to State and local govt.
TOTAL OUTLAYS (bil. dol.)												
1970	195.6	81.7	114.0	64.7	14.4	24.0	509.4	225.6	283.7	152.2	34.7	61.1
1971	210.2	78.9	131.3	80.4	14.8	28.1	509.4	202.7	306.7	181.0	34.0	66.7
1972	230.7	79.2	151.5	92.9	15.5	34.3	527.6	190.9	336.7	200.1	33.6	77.1
1973	245.7	76.7	169.0	104.5	17.3	41.8	527.5	175.1	352.4	215.7	35.9	88.7
1974	269.4	79.3	190.0	120.1	21.4	43.3	528.7	163.3	365.3	226.4	41.1	84.5
1975	332.3	86.5	245.8	153.5	23.2	49.7	596.0	159.8	436.2	265.8	40.4	87.0
1976	371.8	89.6	282.2	180.1	26.7	59.0	609.8	153.6	456.2	291.7	43.0	96.1
1976, TQ ⁴	96.0	22.3	73.7	45.4	6.9	15.9	152.4	37.1	115.3	71.2	10.8	25.1
1977	409.2	97.2	312.0	196.3	29.9	68.3	622.6	154.3	468.3	295.5	44.6	103.5
1978	458.7	104.5	354.2	211.0	35.4	77.8	652.2	155.0	497.1	296.8	49.4	109.7
1979	503.5	116.3	387.1	232.9	42.6	82.8	660.2	159.1	501.0	301.6	54.7	106.6
1980	590.9	134.0	456.9	277.5	52.5	91.4	699.1	164.0	535.1	324.7	62.0	105.6
1981	678.2	157.5	520.7	323.4	68.7	94.7	726.5	171.4	555.2	344.3	73.7	100.6
1982	745.7	185.3	560.4	356.7	85.0	88.1	745.7	185.3	560.4	356.7	85.0	88.2
1983	808.3	209.9	598.4	395.4	89.8	92.4	774.6	201.3	573.3	378.6	86.1	88.7
1984	851.8	227.4	624.4	399.8	111.1	97.5	787.7	211.3	576.4	368.7	102.7	90.1
1985	946.3	252.7	693.6	425.6	129.4	105.7	848.0	229.4	618.7	379.7	115.9	93.8
1986	990.3	273.4	716.9	449.4	136.0	112.2	865.7	243.0	622.7	390.4	118.4	96.5
1987	1,004.6	282.0	722.6	469.4	138.6	108.2	859.3	249.8	609.5	394.9	117.5	90.4
1988, est	1,055.9	285.4	770.5	498.9	147.9	116.5	869.8	243.5	626.3	404.7	120.9	93.6
PERCENT DISTRIBUTION												
1970	100.0	41.8	58.2	33.1	7.4	12.3	100.0	44.3	55.7	29.9	6.8	12.0
1971	100.0	37.5	62.5	38.3	7.1	13.3	100.0	39.8	60.2	35.5	6.7	13.1
1972	100.0	34.3	65.7	40.3	6.7	14.9	100.0	36.2	63.8	37.9	6.4	14.6
1973	100.0	31.2	68.8	42.5	7.1	17.0	100.0	33.2	66.8	40.9	6.8	16.8
1974	100.0	29.5	70.5	44.6	8.0	16.1	100.0	30.9	69.1	43.2	7.8	16.0
1975	100.0	26.0	74.0	46.2	7.0	14.9	100.0	27.3	72.7	45.4	6.9	14.8
1976	100.0	24.1	75.9	48.4	7.2	15.9	100.0	25.2	74.8	47.8	7.1	15.8
1976, TQ ⁴	100.0	23.2	76.8	47.3	7.2	16.6	100.0	24.3	75.7	46.7	7.1	16.5
1977	100.0	23.8	76.2	48.0	7.3	16.7	100.0	24.8	75.2	47.5	7.2	16.6
1978	100.0	22.8	77.2	46.0	7.7	17.0	100.0	23.8	76.2	45.5	7.6	16.8
1979	100.0	23.1	76.9	46.3	8.5	16.4	100.0	24.1	75.9	45.7	8.3	16.1
1980	100.0	22.7	77.3	47.0	8.9	15.5	100.0	23.5	76.5	46.4	8.9	15.1
1981	100.0	23.2	76.8	47.7	10.1	13.9	100.0	23.6	76.4	47.4	10.1	13.8
1982	100.0	24.8	75.1	47.8	11.4	11.8	100.0	24.8	75.1	47.8	11.4	11.8
1983	100.0	25.9	74.0	48.8	11.4	11.4	100.0	25.9	74.1	48.8	11.1	11.4
1984	100.0	26.7	73.3	46.9	13.0	11.4	100.0	26.8	73.2	46.7	13.0	11.4
1985	100.0	26.7	73.3	45.0	13.7	11.2	100.0	27.0	73.0	44.7	13.6	11.0
1986	100.0	27.6	72.4	39.7	13.7	11.4	100.0	27.9	72.1	45.0	13.6	11.1
1987	100.0	28.1	71.9	46.7	13.8	10.8	100.0	29.1	70.9	46.0	13.7	10.5
1988, est	100.0	27.0	73.0	47.2	14.0	11.0	100.0	28.0	72.0	46.5	13.9	10.8
ANNUAL PERCENT CHANGE												
1970-1971	7.4	−3.5	15.2	24.3	3.2	16.8	-	−10.2	8.1	18.9	−2.0	9.2
1971-1972	9.8	.4	15.4	15.5	4.3	22.3	3.6	−5.8	9.8	10.6	−1.2	15.6
1972-1973	6.5	−3.1	11.6	12.5	12.1	21.7	−(Z)	−8.3	4.7	7.8	6.8	15.0
1973-1974	9.6	3.5	12.4	14.9	23.6	3.6	.2	−6.7	3.7	5.9	14.5	−4.7
1974-1975	23.4	9.0	29.4	27.8	8.4	14.8	10.8	−2.1	16.7	16.4	−1.7	3.0
1975-1976	11.9	3.6	14.8	17.3	14.9	18.7	4.1	−3.9	7.0	9.7	6.4	10.5
1976-1977	10.1	8.5	10.6	9.0	11.9	15.8	2.1	.5	2.7	1.3	3.7	7.7
1977-1978	12.1	7.5	13.6	7.5	18.6	13.9	4.8	.5	6.1	.4	10.8	6.0
1978-1979	9.8	11.3	9.8	10.4	20.2	6.3	1.2	2.6	.8	1.6	10.7	−2.8
1979-1980	17.4	15.2	18.0	19.2	23.2	10.4	5.9	3.1	6.8	7.7	13.3	−.8
1980-1981	14.8	17.6	14.0	16.5	30.9	3.6	3.9	4.5	3.8	6.0	18.9	−4.9
1981-1982	10.0	17.6	7.6	10.3	23.7	−6.9	2.6	8.1	.9	3.6	15.3	−12.3
1982-1983	8.5	13.3	6.8	10.8	5.6	4.0	3.9	8.6	2.3	6.1	1.3	.6
1983-1984	5.2	8.3	4.1	1.1	23.7	5.5	1.7	5.0	.5	−2.6	19.3	1.6
1984-1985	11.1	11.1	11.1	6.5	16.5	8.5	7.7	8.6	7.3	3.0	12.9	4.1
1985-1986	4.6	8.2	3.4	5.6	5.1	6.1	2.1	5.9	.6	2.8	2.2	2.9
1986-1987	1.4	3.1	.8	4.5	1.9	−3.5	−.7	2.8	−2.1	1.2	−.8	−6.3
1987-1988	5.1	1.2	6.6	6.3	6.7	7.7	1.2	−2.5	2.8	2.5	2.9	3.6

− Represents zero. Z Less than .05 percent. ¹ Includes other items not shown separately. ² Includes small grant-in aid to State and local governments. ³ Total interest less interest received by trust funds. ⁴ Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

NO. 492. FEDERAL TRUST FUND RECEIPTS, OUTLAYS, AND BALANCES: 1970 TO 1988

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Receipts based on collections received and deposited. Outlays stated on a checks-issued basis, less refunds collected. Balances: That portion of funds authorized for use which have not been spent. See text, section 10 for discussion of the budget concept and trust funds]

TYPE OF FUND	1970	1975	1980	1983	1984	1985	1986	1987	1988, est.
Total receipts [1]	**58.4**	**118.6**	**213.9**	**317.4**	**338.1**	**363.9**	**407.2**	**430.0**	**471.4**
OASDI [2] trust funds	31.7	66.7	117.4	172.5	181.1	200.3	200.2	227.6	257.3
Health insurance trust funds	11.9	16.9	35.7	63.1	68.3	75.5	81.4	90.5	102.7
Federal employees retirement funds	4.7	11.5	24.5	34.9	36.8	40.9	43.3	44.0	46.6
Unemployment insurance funds	4.1	8.2	16.2	31.6	29.9	28.6	26.1	27.6	26.2
Highway trust funds	5.5	6.6	7.6	9.4	12.9	14.3	14.7	14.3	15.5
Railroad employees retirement funds	1.7	2.8	4.4	6.3	8.4	9.1	9.9	9.3	9.8
Foreign military sales trust funds	.8	4.4	7.7	13.2	11.2	9.6	10.7	8.5	8.4
Airport and airway trust funds	–	1.1	2.3	2.7	3.0	3.6	3.6	3.9	4.2
State and local fiscal assistance trust funds [3]	–	6.2	6.9	4.6	4.6	4.6	4.2	–	–
Veterans life insurance funds	.8	.9	1.1	1.2	1.3	1.3	1.4	1.4	1.4
Total outlays [1]	**49.1**	**111.2**	**205.1**	**294.3**	**305.2**	**329.5**	**344.6**	**357.4**	**374.0**
OASDI [2] trust funds	27.3	64.7	118.6	172.3	180.9	191.0	199.8	208.1	220.5
Health insurance trust funds	10.1	14.8	36.0	56.9	62.7	71.4	75.9	81.6	87.7
Federal employees retirement funds	2.8	7.1	14.9	21.0	22.1	23.3	24.3	26.0	27.6
Unemployment insurance funds	3.6	13.2	16.4	32.7	26.1	23.5	21.8	20.5	17.5
Highway trust funds	4.4	4.8	9.2	8.8	10.6	13.3	14.8	13.5	14.2
Railroad employees retirement funds	1.6	3.1	4.7	6.6	5.7	7.9	8.1	8.6	9.0
Foreign military sales trust funds	1.0	3.5	8.8	12.4	10.9	9.8	9.7	9.9	8.6
Airport and airway trust funds	–	.6	1.2	1.8	1.4	2.6	2.4	2.6	3.0
State and local fiscal assistance trust funds [4]	–	6.1	6.8	4.6	4.6	4.6	5.1	.1	–
Veterans life insurance funds	.8	.8	1.0	1.0	1.0	1.0	1.1	1.1	1.1
Balances	**97.3**	**142.6**	**192.4**	**228.4**	**261.4**	**316.5**	**378.2**	**450.2**	**548.1**
OASDI [2] trust funds	32.6	46.2	32.3	32.0	32.2	39.8	45.9	65.4	102.2
Health insurance trust funds	7.8	11.3	19.0	20.4	26.0	32.0	46.1	57.0	72.1
Federal employees retirement funds	22.5	38.8	74.3	111.2	125.9	143.5	162.5	180.5	199.5
Unemployment insurance trust fund	13.1	7.4	14.9	10.0	13.9	18.7	22.9	30.0	38.7
Highway trust funds	2.6	9.6	11.0	9.6	11.8	12.9	12.8	13.6	14.9
Railroad employees retirement accounts	4.8	4.3	2.7	.5	3.1	4.2	6.1	6.7	7.6
Foreign military sales trust fund	.5	2.1	5.2	5.3	5.6	5.5	6.5	5.1	4.9
Airport and airway trust fund	–	2.0	5.4	4.8	6.4	7.4	8.6	9.9	11.2
State and local fiscal assistance trust funds	–	1.7	1.8	1.2	1.2	1.2	.3	.2	.2
Veterans life insurance funds	7.1	7.7	8.5	9.1	9.4	9.7	10.0	10.4	10.7
Trust revolving funds	5.5	8.9	15.5	21.1	22.3	25.3	25.7	27.7	26.5
Other trust funds (nonrevolving)	.6	.7	1.7	3.3	3.4	3.9	5.1	6.0	7.7
Military retirement fund	(X)	(X)	(X)	(X)	–	11.4	23.7	37.5	52.0

– Represents zero. X Not applicable. [1] After deductions for intrafund transactions, proprietary receipts from public, receipts from off-budget Federal agencies, and receipts and outlays from trust funds, not shown separately. [2] Old-age, survivors, and disability insurance. [3] Deposits for general revenue sharing. [4] Payments for general revenue sharing.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government,* annual.

NO. 493. EXECUTIVE CONTROLLABILITY OF FEDERAL BUDGET OUTLAYS: 1970 TO 1988

[In billions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Outlays considered relatively uncontrollable are those which can neither be increased nor decreased by Presidential decisions without a change in existing Federal laws or are beyond administrative control, such as benefit payments that beneficiaries are entitled to by law or contractual agreement or other existing legally binding commitments. This table is based on a Presidential perspective]

OUTLAYS	1970	1975	1980	1983	1984	1985	1986	1987	1988, est.
Total outlays	**195.6**	**332.3**	**590.9**	**808.3**	**851.8**	**946.3**	**989.8**	**1,004.6**	**1,055.9**
Relatively uncontrollable outlays	**120.3**	**222.2**	**413.8**	**593.5**	**624.1**	**689.4**	**745.4**	**769.3**	**798.8**
Percent of total outlays	61.5	66.9	70.0	73.4	73.3	72.9	75.3	76.6	75.7
Open-ended programs and fixed costs [1]	78.3	168.9	310.7	464.8	478.8	527.2	564.1	584.0	614.5
Payments for individuals [1]	60.1	139.5	246.6	353.8	357.4	380.5	402.6	421.7	448.8
Social Security and railroad retirement	30.7	67.3	120.0	171.8	179.3	189.9	199.9	208.6	220.9
Medical care	9.4	20.6	47.2	73.5	79.9	91.0	97.8	105.9	114.8
Federal employees' retirement and insurance [2]	8.7	18.4	34.7	47.3	49.0	49.8	52.9	55.2	57.7
Food and nutrition assistance	(X)	1.6	3.5	3.3	3.6	3.7	3.8	4.1	4.4
Public assistance and related programs	6.4	12.2	17.5	20.9	21.0	22.2	24.5	25.7	29.9
Unemployment assistance	3.1	12.8	16.8	29.7	16.9	16.1	16.3	15.7	14.4
Net interest	14.4	23.2	52.5	89.8	111.1	129.4	136.0	138.6	147.9
Farm price supports [3]	3.8	.6	2.8	18.9	7.3	17.7	25.8	22.4	17.7
Prior-year contracts and obligations [4]	41.9	53.3	103.2	128.7	145.3	162.2	181.3	185.3	184.3
Relatively controllable outlays	**83.8**	**113.2**	**178.7**	**226.0**	**243.0**	**284.1**	**272.7**	**265.9**	**290.1**
National defense	57.6	64.2	97.4	141.4	147.8	160.5	165.4	169.1	171.1
Civilian programs	26.3	49.1	81.3	84.5	95.2	123.6	107.3	96.8	119.1
Undistributed employer share, employee retirement	−8.4	−11.2	−15.6	−23.5	−25.3	−27.2	−28.3	−30.6	−33.0

X Not applicable. [1] Includes other outlays not shown separately. [2] Includes items previously classified in the veterans' benefits grouping. [3] Prices from Commodity Credit Corporation. [4] Excludes prior year contracts and obligations for items under open-ended programs and fixed costs.

Source: U.S. Office of Management and Budget, *Budget of the United States Government, 1989 Supplement.*

No. 494. Revenue Losses Estimates for Selected "Tax Expenditures" by Function: 1980 to 1988

[**In millions of dollars.** For years ending **Sept. 30, except as noted.** Tax expenditures are defined as "revenue losses attributable to provisions of the Federal tax laws which allow a special exclusion, exemption, or deduction from gross income or which provide a special credit, a preferential rate of tax, or a deferral of liability." Represents tax expenditures of $1 billion or more in 1988]

DESCRIPTION	1980	1985	1986	1987	1988
National defense:					
Exclusion of benefits and allowances to Armed Forces personnel	1,470	1,955	2,095	2,000	1,885
International affairs:					
Exclusion of income earned abroad by United States citizens	555	1,405	1,490	1,330	1,220
Inventory property sales source rules exception	(X)	(X)	(X)	1,845	2,825
Natural resources and environment:					
Exclusion of interest on State and local IDB's for pollution control and sewage and waste disposal facilities	635	1,250	1,600	1,715	1,635
Commerce and housing credit:					
Exclusion of interest on small issue industrial development bonds	430	475	2,775	2,925	2,705
Exclusion of interest on life insurance savings	3,490	2,175	6,990	5,425	5,410
Deductibility of interest on consumer credit	4,745	15,530	17,945	11,845	8,530
Deductibility of mortgage interest on owner-occupied homes	15,615	24,785	30,435	34,745	33,875
Deductibility of property tax on owner-occupied homes	7,310	9,315	8,560	10,285	10,100
Exclusion of interest on State and local housing bonds for owner-occupied housing	447	1,686	2,050	2,010	1,785
Exclusion of interest on State and local debt for rental housing	(NA)	755	1,240	1,385	1,235
Deferral of capital gains on home sales	1,010	1,775	1,965	2,575	3,700
Exclusion of capital gains on home sales for persons age 55 and over	535	830	925	2,160	2,860
Carryover basis of capital gains at death	4,750	4,355	4,940	5,710	11,540
Investment credit, other than ESOP's, rehabilitation of structures, energy property, and reforestation expenditures	18,250	24,445	20,055	13,305	9,195
Accelerated depreciation of machinery and equipment [1]	(NA)	20,145	39,010	13,280	21,920
Reduced rates on the first $100,000 of corporate income:					
Pre-1983 budget method	7,210	5,015	4,645	3,710	3,155
Exception from passive loss rules for $25,000 of rental losses	(X)	(X)	(X)	[2] 350	1,100
Education, training, employment, and social services:					
Deductibility of charitable contributions (education)	1,090	1,345	1,640	1,720	1,520
Credit for child and dependent care expenses	885	2,700	3,170	3,475	3,920
Deductibility of charitable contributions, other than education and health	6,270	10,175	12,620	12,095	10,460
Health:					
Exclusion of employer contributions for medical insurance premiums and medical care	12,075	21,095	23,435	24,550	24,690
Deductibility of medical expenses	3,150	3,620	3,755	3,150	1,960
Exclusion of interest on State and local debt for private nonprofit health facilities	425	1,405	2,235	2,570	2,230
Deductibility of charitable contributions (health)	1,370	1,615	2,000	1,570	1,375
Social Security and medicare:					
Exclusion of Social Security benefits:					
Disability insurance benefits	690	1,170	1,195	1,170	1,095
OASI benefits for retired workers	6,890	12,955	13,275	14,285	13,470
Benefits for dependents and survivors	1,015	3,755	3,905	3,025	2,850
Income security:					
Exclusion of workmen's compensation benefits	2,200	2,225	2,425	2,740	2,660
Net exclusion of pension contributions and earnings:					
Employer plans	19,785	48,525	48,950	45,335	41,765
Individual Retirement Accounts	(NA)	12,695	14,890	13,890	9,080
Keoghs	1,925	1,960	2,135	2,355	1,530
Exclusion of other employee benefits:					
Premiums on group term life insurance	(NA)	2,055	2,200	1,940	1,940
Additional deduction for the elderly	(X)	(X)	(X)	[2] 1,630	1,535
Veterans benefits and services:					
Exclusion of veterans disability compensation	1,065	1,695	1,700	1,615	1,470
General purpose fiscal assistance:					
Exclusion of interest on public purpose State and local debt	4,925	8,060	9,590	10,860	10,350
Deductibility of nonbusiness State and local taxes other than on owner-occupied homes	14,690	21,455	23,965	22,460	17,250
Tax credit for corporations receiving income from doing business in United States possessions	905	1,660	1,895	1,895	1,880

NA Not available. X Not applicable. [1] Pre-1983 budget method. [2] Data on calendar year basis.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government,* annual

NO. 495. FEDERAL BUDGET OUTLAYS, BY AGENCY: 1975 TO 1988

[In billions of dollars. For fiscal year ending in year shown; see text, section 9]

DEPARTMENT OR OTHER UNIT	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total	**332.3**	**590.9**	**678.2**	**745.7**	**808.3**	**851.8**	**946.3**	**990.3**	**1,004.6**	**1,055.9**
Legislative branch	.7	1.2	1.2	1.4	1.4	1.6	1.6	1.7	1.8	1.9
The Judiciary	.3	.6	.6	.7	.8	.9	1.0	1.1	1.2	1.4
Executive Office of the President [1]	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Funds appropriated to President [2]	3.7	8.5	8.2	7.9	7.9	10.8	11.9	11.0	10.4	5.2
Departments:										
Agriculture	15.6	34.8	41.6	45.7	52.4	42.0	55.5	58.7	50.4	50.7
Commerce	1.1	3.1	2.3	2.1	1.9	1.9	2.1	2.1	2.1	2.5
Defense	93.1	146.1	170.7	198.6	223.3	240.5	263.9	285.7	294.7	299.6
Education	7.6	14.8	17.1	14.8	14.6	15.5	16.7	17.7	16.8	18.8
Energy	3.2	6.5	11.7	11.6	10.6	11.0	10.6	11.0	10.7	10.5
Health and Human Services	104.2	194.2	228.7	253.1	276.7	292.2	315.5	333.9	351.3	375.1
Housing and Urban Development	7.5	12.7	14.9	15.2	15.8	16.7	28.7	14.1	15.5	18.6
Interior	2.2	4.5	4.5	3.9	4.6	4.9	4.8	4.8	5.1	5.4
Justice	2.1	2.6	2.7	2.6	2.8	3.2	3.6	3.8	4.3	5.2
Labor [3]	17.7	29.7	30.1	30.7	38.1	24.5	23.9	24.1	23.5	22.0
State	.8	1.9	1.9	2.2	2.3	2.4	2.6	2.9	2.8	3.3
Transportation	10.1	19.8	22.8	20.0	20.6	23.0	25.0	27.4	25.4	26.3
Treasury	41.3	76.5	92.6	110.3	116.4	141.0	164.9	179.2	180.3	198.9
Independent agencies:										
Environmental Protection Agency	2.5	5.6	5.2	5.1	4.3	4.1	4.5	4.9	4.9	4.9
General Services Administration	.4	.2	.1	.2	.1	.1	(–Z)	.4	.1	–.1
National Aeronautics and Space Administration	3.3	5.0	5.5	6.2	6.9	7.1	7.3	7.4	7.6	9.1
Office of Personnel Management	7.1	15.1	18.1	20.0	21.3	22.6	23.7	24.0	27.0	28.5
Small Business Administration	.7	2.0	2.0	.8	.7	.5	.7	.6	–.1	.3
Veterans Administration	16.6	21.1	22.9	23.9	24.8	25.6	26.3	26.5	27.0	27.6
Other independent agencies	12.0	16.1	14.5	10.6	11.2	11.9	10.0	12.2	14.3	17.9
Undistributed offsetting receipts	–21.3	–32.0	–41.9	–42.2	–51.1	–52.3	–58.7	–65.0	–72.3	–77.7

Z Less than $50 million. [1] Represents funds used to finance the operations of the various units within the office of the President. [2] Represents international affairs funds mainly; funds are administered by the State Department, U.S. Agency for International Development, and Department of Defense under the direction of the President. [3] Includes Pension Benefit Guaranty Corporation.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1989.*

NO. 496. PUBLIC DEBT AND INTEREST PAID OF THE FEDERAL GOVERNMENT: 1940 TO 1987

[**For fiscal years ending in year shown;** see text, section 9. Total *public debt* is restricted to borrowing by the Treasury and the value of savings bonds at current redemption value. See table 489 for "gross Federal debt." For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970,* series Y 461, 493, and 494]

YEAR	PUBLIC DEBT			INTEREST PAID	
	Total [1] (bil. dol.)	Average annual percent change [2]	Per capita [3] (dol.)	Total (bil. dol.)	Percent of Federal outlays [4]
1940	43.0	8.4	325	1.0	10.5
1945	258.7	43.0	1,849	3.8	4.1
1950	256.1	–.1	1,688	5.7	13.4
1955	272.8	1.3	1,651	6.4	9.4
1960	284.1	.9	1,572	9.2	10.0
1965	313.8	2.0	1,613	11.3	9.6
1970	370.1	3.3	1,814	19.3	9.9
1971	397.3	7.4	1,921	21.0	10.0
1972	426.4	7.3	2,037	21.8	9.4
1973	457.3	7.2	2,164	24.2	9.8
1974	474.2	3.7	2,223	29.3	10.9
1975	533.2	12.4	2,475	32.7	9.8
1976	620.4	16.4	2,852	37.1	10.0
1977	698.8	10.1	3,170	41.9	10.2
1978	771.5	10.4	3,463	48.7	10.6
1979	826.5	7.1	3,669	59.8	11.9
1980	907.7	9.8	3,985	74.9	12.7
1981	997.9	9.9	4,338	95.6	14.1
1982	1,142.0	14.4	4,913	117.4	15.7
1983	1,377.2	20.6	5,870	128.8	15.9
1984	1,572.3	14.2	6,640	153.8	18.1
1985	1,823.1	16.0	7,616	178.9	18.9
1986	2,125.3	16.6	8,793	187.1	18.9
1987	2,350.3	10.6	9,630	195.4	19.5

[1] Adjusted to exclude nonmarketable issues to the International Monetary Fund and other international institutions for 1950, 1955, 1960, 1965, and 1970–1974. [2] From preceding year shown; for 1940, change from 1935. [3] 1940–1976, based on estimated July 1 population; thereafter, based on October 1 resident population; prior to 1960, excludes Alaska and Hawaii. [4] Calculated on total expenditures not reduced by interfund transactions representing interest and certain other payments to Treasury through 1950. Beginning 1955, total budget outlays. See table 489.

Source: U.S. Dept. of the Treasury, *Statistical Appendix* to the *Annual Report of the Secretary of the Treasury on the State of the Finances* through fiscal 1980; thereafter, *Monthly Statement of the Public Debt of the United States,* and *Final Monthly Treasury Statement of Receipts and Outlays of the U.S. Government.*

No. 497. Interest-Bearing Public Debt of the Federal Government: 1970 to 1987

[**In billions of dollars.** As of **end of fiscal year;** see text, section 9. See also *Historical Statistics, Colonial Times to 1970,* serie
Y 497 and Y 500–504]

YEAR	Total	MARKETABLE				NONMARKETABLE			
		Total	Bills	Notes	Treasury bonds [1]	Total	U.S. savings bonds	Other [2]	Govt. accoun series
1970	369.0	232.6	76.2	93.5	63.0	136.4	51.3	8.8	76.
1975	532.1	315.6	128.6	150.2	36.8	216.5	65.4	26.9	124.
1979	819.0	506.7	161.4	274.2	71.1	312.3	80.4	55.5	176.
1980	906.4	594.5	199.8	310.9	83.8	311.9	72.7	49.3	189.
1981	996.5	683.2	223.4	363.6	96.2	313.3	68.0	44.2	201.
1982	1,140.9	824.4	277.9	442.9	103.6	316.5	67.3	38.7	210.
1983	1,375.8	1,024.0	340.7	557.5	125.7	351.8	70.0	47.0	234.
1984	1,559.6	1,176.6	356.8	661.7	158.1	383.0	72.8	50.6	259.
1985	1,821.0	1,360.2	384.2	776.4	199.5	460.8	77.0	69.9	313.
1986	2,122.7	[4] 1,564.3	410.7	896.9	241.7	558.4	85.6	106.9	366.
1987	2,347.8	[4] 1,676.0	378.3	1,005.1	277.6	671.8	97.0	134.1	440.
PERCENT DISTRIBUTION									
1970	100.0	63.0	20.7	25.3	17.1	37.0	13.9	2.4	20.
1980	100.0	65.6	22.0	34.3	9.2	34.4	8.0	5.4	20.
1985	100.0	74.7	21.1	42.6	11.0	25.3	4.2	3.8	17.
1986	100.0	[4] 73.7	19.3	42.3	11.4	26.3	4.0	5.0	17.
1987	100.0	[4] 71.4	16.1	42.8	11.8	28.6	4.1	5.7	18.

[1] Bank eligible bonds. [2] Comprises Treasury bonds, investment series (all years); Treasury bonds (various); certificates indebtedness (various); certificates and notes; depositary bonds; U.S. retirement plan bonds; and U.S. savings notes, beginni 1970. [3] 1970 known as U.S. Treasury special issues. [4] Includes Federal Financing Bank, not shown separately.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin,* quarterly.

No. 498. Federal Securities—Distribution by Class of Investor: 1970 to 1987

[**In billions of dollars.** As of **end of fiscal year;** see text, section 9. The Export-Import Bank was moved within the budget effecti October 1, 1976. Adjustments are made to include totals for the period it was outside the budget (1970–76). Also adjustments a made to reflect certain Export-Import Bank borrowing now classified as agency debt]

YEAR	Federal securities outstanding, total [1]	INTEREST-BEARING PUBLIC DEBT SECURITIES				YEAR	Federal securities outstanding, total [1]	INTEREST-BEARING PUBLIC DEBT SECURITIES			
		Total outstanding	Held by U.S. Govt. accounts	Held by Federal Reserve banks [2]	Held by private investors			Total outstanding	Held by U.S. Govt. accounts	Held by Federal Reserve banks [2]	Held by pri vat inve tor
1970	383	369	95	56	216	1980	914	906	198	121	5
1973	468	456	123	75	258	1981	1,004	996	208	124	6
1974	486	473	138	80	255	1982	1,147	1,141	216	134	7
1975	544	532	145	85	302	1983	1,382	1,376	239	155	9
1976	632	619	150	94	375	1984	1,577	1,560	263	155	1,1
1977	709	698	155	[3] 105	437	1985	1,827	1,821	317	170	1,3
1978	780	767	168	115	484	1986	2,130	2,123	383	191	1,5
1979	834	819	188	115	516	1987	2,354	2,348	457	212	1,6

[1] Includes agency securities and matured public debt not shown separately. [2] Public issues.
[3] Includes a nonmarketable Federal Reserve special certificate for $2,500.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin,* quarterly.

No. 499. Interest-Bearing Government Securities Outstanding: 1970 to 1987

[**In billions of dollars, except percent.** As of **end of fiscal year;** see text, section 9. Par values, except U.S. savings bonds series, E, F, J, and U.S. savings notes, which are included at current redemption values]

TYPE OF SECURITY	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	19
Total	**521**	**756**	**1,049**	**1,128**	**1,247**	**1,363**	**1,540**	**1,823**	**2,052**	**2,379**	**2,776**	**3,0**
State and local govts.[1] [2]	139	213	273	302	334	360	394	442	488	554	649	7
Percent of total	26.7	28.2	26.0	26.8	26.8	26.4	25.6	24.2	23.8	23.3	23.4	2
Taxable [3]	306	419	623	650	723	802	936	1,146	1,304	1,511	1,761	1,9
Government account series [4]	76	124	153	176	190	201	210	235	260	314	366	4
By issuer:												
U.S. Treasury	369	532	767	819	906	996	1,141	1,376	1,560	1,821	2,123	2,3
Agency securities [5]	13	11	9	7	7	6	5	5	4	4	4	
State and local govts.[1] [2]	139	213	273	302	334	360	394	442	488	554	649	7

[1] Source: Board of Governors, Federal Reserve System, unpublished data. [2] Includes some partially taxable debt. Includ industrial pollution control bonds, student loan bonds and nonprofit hospital bonds. [3] Interest is subject to both normal a surtax rates of Federal income tax. [4] Prior to July 1, 1974, known as U.S. Treasury special issues. [5] Excludes securi issued by Federal home loan banks, Federal land banks, Federal National Mortgage Association, Federal intermediate cre banks, and banks for cooperatives.

Source: Except as noted, U.S. Dept. of the Treasury, through 1980, *Statistical Appendix* to the *Annual Report of the Secretary the Treasury on the State of the Finances;* thereafter, *Treasury Bulletin,* quarterly.

NO. 500. FEDERAL PARTICIPATION IN DOMESTIC CREDIT MARKETS: 1979 TO 1987

[In billions of dollars, except percent. See headnote, table 501. Federal credit programs are primarily in three forms: direct loans from the Federal government, Federal guarantees of private lending, and lending by privately owned Government-sponsored enterprises. Nonfinancial sectors]

TYPE OF PARTICIPATION	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total funds loaned in U.S. credit markets, excluding equities [1]	**413.0**	**359.0**	**410.5**	**391.1**	**547.6**	**649.5**	**687.5**	**830.0**	**642.7**
Federal and federally assisted lending	72.9	79.9	86.5	87.6	86.5	79.5	110.3	129.1	149.2
Federal participation rate (percent)	17.7	22.3	21.1	22.4	15.8	12.2	16.0	15.6	23.2
Direct loans	19.6	24.2	26.1	23.4	15.3	6.3	28.0	11.2	-19.0
Guaranteed loans	25.2	31.6	28.0	20.9	34.1	20.1	21.6	34.6	60.4
Government-sponsored enterprise loans	28.1	24.1	32.4	43.3	37.1	53.1	60.7	83.3	107.8
Total funds borrowed in U.S. credit markets [1]	**418.5**	**351.1**	**409.5**	**393.3**	**511.4**	**700.7**	**758.2**	**906.1**	**723.8**
Federal and federally assisted borrowing	80.7	123.5	142.1	199.5	280.4	246.4	276.8	374.1	327.1
Federal participation rate (percent)	19.3	35.2	34.7	50.7	54.8	35.2	36.5	41.3	45.2
Federal borrowing from public	33.6	70.5	79.3	135.0	212.3	170.8	197.3	236.3	151.7
Borrowing for guaranteed loans	25.2	31.6	28.0	20.9	34.1	20.1	21.6	34.6	60.4
Government-sponsored enterprise borrowing	21.9	21.4	34.8	43.6	34.0	55.5	57.9	103.2	115.0

[1] Funds loaned to and borrowed by nonfinancial sectors, excluding equities.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 501. FEDERAL DIRECT AND GUARANTEED LOANS: 1970 TO 1988

[As of **end of fiscal year;** see text, section 9. Government guaranteed loans (loans for which the Government guarantees payment of principal or interest in whole or part) are not included in Federal budget outlays. They constitute contingent liabilities not resulting in outlays, except in event of default. Government direct loans are made by both on-budget and off-budget Federal agencies. See headnote, table 500]

YEAR	AMOUNT (bil. dol.)						PERCENT CHANGE			
	Direct loans [1]			Guaranteed loans [2]			Direct loans [1]		Guaranteed loans [2]	
	Gross (new) loans disbursed	Net loan outlays	Direct loans outstanding	Primary [3]	Net loans	Guaranteed loans outstanding	Gross (new) loans disbursed	Direct loans outstanding	Primary [3]	Guaranteed loans outstanding
1970	12.4	3.0	51.1	27.5	6.4	125.1	-27.1	9.0	8.7	6.3
1975	28.8	12.8	74.1	31.2	8.7	198.3	82.3	20.5	-2.5	4.5
1977	35.4	11.5	100.7	43.9	14.0	224.0	2.6	17.2	37.6	6.6
1978	48.6	19.3	120.5	48.5	13.4	237.9	37.3	19.7	10.5	6.2
1979	49.2	19.6	140.5	60.5	25.2	264.6	1.2	16.6	24.7	11.2
1980	49.3	24.2	163.9	66.2	31.6	298.5	.2	16.7	9.4	12.8
1981	55.9	26.1	185.0	60.2	28.0	309.1	13.4	12.9	-9.1	3.6
1982	37.1	23.4	207.8	59.6	20.9	331.2	-33.6	12.3	-1.0	7.1
1983	43.8	15.3	223.0	78.0	34.1	363.8	18.1	7.3	30.9	9.8
1984	41.4	6.3	229.3	73.3	20.1	386.7	-5.5	2.8	-6.0	6.3
1985	64.4	28.0	257.4	55.5	21.6	410.4	55.6	12.3	-24.3	6.1
1986	42.2	11.2	251.6	89.6	34.6	449.8	-34.5	-2.3	61.4	9.6
1987	35.2	-19.0	234.2	151.7	60.4	507.0	-16.6	-6.9	69.3	12.7
1988, est.	34.5	-16.2	218.0	100.1	20.8	527.8	-2.0	-6.9	-34.0	4.1

[1] Includes loans from "off-budget" Government accounts. [2] Includes capital subscriptions to international financial institutions. To avoid double counting, secondary guaranteed loans and guaranteed loans held as direct loans are excluded. [3] Gross loan guarantees minus both secondary guaranteed loans, and guaranteed loans held as direct loans by the Government—by either on- or off-budget accounts.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 502. U.S. SAVINGS BONDS: 1970 TO 1987

[In billions of dollars, except percent. As of end of fiscal year; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 500, for similar but not exactly comparable data]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Amounts outstanding, total [1]	51.8	65.5	80.5	72.7	68.0	67.5	70.3	73.1	77.3	85.8	97.3
Funds from sales	4.7	6.8	7.3	4.8	3.4	3.1	4.0	3.9	5.0	8.3	10.3
Accrued discounts	1.0	3.3	4.3	4.2	4.2	4.9	5.0	5.3	5.2	5.6	6.1
Redemptions [2]	6.3	6.5	11.0	16.7	12.3	8.7	6.1	6.1	5.7	5.1	4.9
Percent of total outstanding	12.2	10.0	13.6	23.0	18.0	12.9	8.7	8.3	7.4	6.0	5.1

[1] Interest-bearing debt only for amounts end of period or end of year. [2] Matured and unmatured bonds.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

No. 503. Federal Funds—Summary Distribution, by State and Outlying Areas: 1987

[**In millions of dollars, except as indicated.** For year ending **Sept. 30.** Data for grants, salaries and wages, and direct payme
to individuals are on an expenditure basis; procurement is on obligation basis. Minus sign (–) indicates decrease.
composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	FEDERAL FUNDS			Defense	Non-defense	Direct payments to individuals	Procurement	Grants to State and local gov'ts.
	Total [1]	Percent change 1986–1987	Per capita [2] (dol.)					
Total	**848,183**	**2.2**	**3,434**	**231,601**	**616,562**	**383,937**	**196,325**	**107,262**
U.S.	**819,155**	**2.0**	**3,365**	**215,777**	**603,378**	**380,073**	**176,185**	**104,005**
Region:								
Northeast	172,527	2.1	3,432	40,547	131,981	85,104	38,068	26,944
Midwest	175,308	1.2	2,944	31,929	143,379	91,086	27,874	24,552
South	288,830	2.5	3,443	82,046	206,784	131,894	57,314	31,520
West	182,490	1.9	3,672	61,254	121,236	71,989	52,908	20,989
New England	**51,191**	**2.8**	**3,986**	**18,361**	**32,831**	**20,922**	**17,132**	**6,414**
Maine	4,109	9.8	3,461	1,171	2,938	2,010	879	689
New Hampshire	3,042	2.3	2,878	934	2,108	1,514	512	389
Vermont	1,474	2.7	2,690	180	1,294	796	146	314
Massachusetts	25,513	2.3	4,358	9,602	15,911	9,911	9,456	2,983
Rhode Island	3,453	7.1	3,502	836	2,617	1,761	588	550
Connecticut	13,600	.8	4,236	5,637	7,963	4,929	5,551	1,489
Middle Atlantic	**121,336**	**1.8**	**3,241**	**22,186**	**99,150**	**64,182**	**20,956**	**20,530**
New York	60,252	1.4	3,380	11,153	49,100	29,520	11,575	11,932
New Jersey	23,031	3.3	3,002	4,809	18,222	12,451	4,095	3,327
Pennsylvania	38,053	1.6	3,188	6,224	31,829	22,210	5,285	5,271
East North Central	**112,385**	**.1**	**2,682**	**17,247**	**95,138**	**63,520**	**15,084**	**17,186**
Ohio	31,207	–1.9	2,894	6,351	24,857	16,815	5,915	4,382
Indiana	14,691	-	2,656	3,109	11,582	8,097	2,402	1,982
Illinois	30,947	2.6	2,672	3,726	27,221	17,432	3,078	4,468
Michigan	23,348	–.2	2,538	2,719	20,629	13,963	2,440	4,199
Wisconsin	12,192	-	2,536	1,343	10,849	7,212	1,250	2,155
West North Central	**62,923**	**3.3**	**3,568**	**14,683**	**48,240**	**27,566**	**12,789**	**7,366**
Minnesota	13,227	6.4	3,115	2,741	10,486	5,833	2,712	2,037
Iowa	8,881	6.4	3,134	786	8,095	4,595	833	1,090
Missouri	21,063	.8	4,128	7,354	13,709	8,489	6,940	1,926
North Dakota	3,002	6.5	4,467	453	2,548	1,008	249	419
South Dakota	2,660	8.4	3,751	279	2,381	1,134	151	440
Nebraska	5,331	2.3	3,334	821	4,510	2,526	374	607
Kansas	8,760	-	3,538	2,248	6,512	3,982	1,529	848
South Atlantic	**163,800**	**5.6**	**3,929**	**50,994**	**112,807**	**70,944**	**34,148**	**15,870**
Delaware	1,822	2.0	2,829	408	1,414	988	234	301
Maryland	23,186	6.9	5,113	7,444	15,743	7,755	6,935	2,002
District of Columbia	14,530	.7	23,360	1,892	12,638	1,615	2,685	1,515
Virginia	31,392	12.0	5,317	16,508	14,884	9,952	9,511	1,905
West Virginia	5,325	–1.6	2,807	322	5,003	3,421	298	1,028
North Carolina	16,598	5.4	2,588	4,248	12,350	8,892	1,641	2,171
South Carolina	10,383	4.4	3,031	2,865	7,518	4,797	1,855	1,280
Georgia	19,166	3.6	3,080	6,602	12,564	8,287	3,786	2,512
Florida	41,398	4.7	3,443	10,704	30,694	25,236	7,204	3,155
East South Central	**48,320**	**–3.4**	**3,160**	**9,690**	**38,630**	**24,011**	**8,644**	**6,552**
Kentucky	10,367	–17.2	2,782	1,830	8,537	5,816	743	1,702
Tennessee	15,300	–3.9	3,151	1,777	13,523	7,304	3,515	2,018
Alabama	13,927	6.3	3,411	3,620	10,308	6,745	2,654	1,559
Mississippi	8,725	3.0	3,324	2,462	6,263	4,147	1,732	1,274
West South Central	**76,710**	**.1**	**2,851**	**21,363**	**55,347**	**36,938**	**14,522**	**9,097**
Arkansas	7,316	1.9	3,064	1,353	5,963	4,163	869	1,009
Louisiana	11,821	–4.5	2,650	2,820	9,001	5,387	2,464	1,919
Oklahoma	10,069	3.3	3,077	2,348	7,721	5,209	821	1,317
Texas	47,504	.3	2,829	14,842	32,662	22,180	10,367	4,853
Mountain	**48,981**	**5.2**	**3,720**	**13,977**	**35,003**	**18,901**	**14,358**	**5,678**
Montana	2,887	2.3	3,569	280	2,607	1,293	184	540
Idaho	3,164	5.3	3,171	326	2,839	1,408	680	392
Wyoming	1,535	.8	3,134	198	1,336	598	121	449
Colorado	12,301	7.0	3,732	4,427	7,875	4,371	3,865	1,152
New Mexico	7,366	3.9	4,911	1,451	5,915	2,205	3,050	779
Arizona	12,561	10.2	3,710	4,537	8,024	5,604	3,801	1,188
Utah	5,705	3.7	3,396	2,081	3,624	1,920	1,633	784
Nevada	3,461	–7.0	3,437	678	2,783	1,503	1,025	394
Pacific	**133,509**	**.8**	**3,654**	**47,277**	**86,232**	**53,089**	**38,550**	**15,311**
Washington	17,619	4.4	3,883	5,767	11,852	7,203	4,510	1,978
Oregon	7,532	1.7	2,765	654	6,879	4,583	512	1,243
California	100,753	–.1	3,642	37,113	63,639	39,261	32,212	11,006
Alaska	2,846	4.7	5,421	1,240	1,606	424	792	624
Hawaii	4,759	2.5	4,394	2,503	2,256	1,617	525	460
American Samoa	66	3.2	1,786	3	63	11	2	51
Guam	681	9.6	5,359	504	177	70	118	103
Northern Marianas	59	5.2	2,947	-	59	5	7	46
Puerto Rico	6,143	2.0	1,878	598	5,545	2,848	450	2,307
Virgin Islands	302	–32.5	2,745	82	220	80	75	119
Undistributed	21,757	9.1	(x)	14,637	7,120	850	19,488	1,331

- Represents zero. X Not applicable. [1] Includes other programs not shown separately.
[2] Based on Bureau of the Census estimated resident population as of July 1.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

NO. 504. TAX RETURNS FILED—EXAMINATION COVERAGE: 1970 TO 1987

[In thousands, except as indicated]

YEAR AND ITEM	Returns filed [1]	RETURNS EXAMINED					AVERAGE TAX AND PENALTY PER RETURN (dollars)		
		Total	Percent of returns filed	By— Revenue agents	By— Tax auditors	By— Service centers	Revenue agents	Tax auditors	Service centers
INDIVIDUAL RETURNS									
1970	76,431.0	1,672.0	2.2	(NA)	(NA)	-	(NA)	(NA)	-
1975	81,272.0	1,838.6	2.3	355.2	1,483.4	-	2,609	219	-
1980	90,727.0	1,833.9	2.0	292.5	1,346.3	195.1	1,335	602	39
1981	93,052.0	1,644.1	1.8	289.5	1,193.1	161.5	6,374	579	223
1982	94,013.0	1,455.3	1.6	285.5	1,066.6	103.2	7,505	751	364
1983	95,419.0	1,427.7	1.5	277.9	1,001.9	147.9	10,248	990	316
1984	95,541.3	1,215.9	1.3	276.2	859.4	80.4	11,584	1,314	692
1985	96,496.9	1,265.6	1.3	332.6	810.9	122.1	10,854	1,539	496
1986	99,529.0	1,090.9	1.1	298.9	732.5	59.6	14,052	1,945	862
1987, total	**101,750.8**	**1,109.2**	**1.1**	**317.5**	**610.4**	**181.3**	**12,235**	**2,107**	**4,084**
1040A, total income under $10,000	19,904.9	105.9	.5	11.0	45.2	49.7	10,843	1,335	3,501
Non 1040A, total income: [2]									
Under $10,000	9,904.0	42.0	.4	8.7	24.7	8.6	5,567	1,033	892
$10,000-$24,999, simple	21,285.6	135.8	.6	25.1	86.6	24.1	2,368	9.9	662
$10,000-$24,999, complex	9,897.8	128.7	1.3	29.4	73.9	25.4	2,362	1,015	649
$25,000-$49,999	24,588.3	343.9	1.4	75.9	235.2	32.7	3,107	1,280	1,490
$50,000 and over	10,029.1	224.4	2.2	95.4	95.6	33.4	20,254	5,817	12,030
Schedule C—TGR: [3] Under $25,000	1,903.0	26.8	1.4	11.4	14.5	.9	5,834	1,746	1,529
$25,000-$99,999	2,125.0	42.7	2.0	22.4	18.3	2.0	7,277	3,380	9,147
$100,000 and over	1,198.0	46.2	3.9	32.4	11.1	2.6	29,399	8,015	15,835
Schedule F—TGR: [3] Under $25,000	240.0	2.2	.9	.7	1.3	.1	4,463	789	1,195
$25,000-$99,999	436.5	4.9	1.1	1.9	2.2	.7	4,436	1,158	569
$100,000 and over	238.6	5.6	2.3	3.2	1.6	.7	70,391	4,766	18,236
1986—OTHER RETURNS									
Fiduciary	2,276.2	5.1	.2	5.1	-	-	15,425	-	-
Partnerships	1,713.6	19.8	1.2	19.8	-	-	-	-	-
Corporations, total	3,647.6	55.1	19.5	55.1	-	-	676,232	-	-
Corporations except DISC and S corporations [4]	2,827.5	44.7	1.6	44.7	-	-	236,613	-	-
S corporations [4]	812.0	9.1	1.1	9.1	-	-	438,962	-	-
Form 1120 DISC [5]	8.1	1.3	16.8	1.3	-	-	657	-	-
Estate, total	67.6	15.1	22.4	15.1	-	-	63,697	-	-
Gross estate: Under $1 million	51.7	8.8	16.9	8.7	-	-	18,121	-	-
$1 million-$4.999 million	14.6	5.5	38.0	5.5	-	-	50,172	-	-
$5 million and over	1.3	.8	62.9	.8	-	-	643,718	-	-
Gift	101.3	1.7	1.7	1.7	-	-	135,913	-	-
Excise	1,035.5	38.9	3.8	38.9	-	-	4,074	-	-
Employment	27,812.2	46.3	.2	45.2	1.1	-	7,730	528	-
Windfall profit	10.3	4.4	42.4	1.5	-	2.8	701,123	-	2,156
Miscellaneous	-	.1	-	.1	-	-	18,383	-	-
Service center corrections	-	503.3	-	-	-	503.3	-	-	-

- Represents zero. NA Not available. [1] Returns filed in previous calendar year. [2] Income is that from positive sources only. [3] Total gross receipts. [4] Small business corporations. Represents corporations with no more than 35 shareholders (10 prior to 1983), most of which are individuals, electing to be taxed at the shareholder level. [5] Domestic international sales corporation.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service.*

NO. 505. INTERNAL REVENUE GROSS COLLECTIONS, BY SOURCE: 1970 TO 1987

[For fiscal year ending in year shown; see text section 9. See also *Historical Statistics, Colonial Times to 1970,* series Y 358-373]

SOURCE OF REVENUE	COLLECTIONS (bil. dol.)								PERCENT OF TOTAL			
	1970	1975	1980	1983	1984	1985	1986	1987	1970	1980	1985	1987
All taxes	**195.8**	**293.8**	**519.4**	**627.2**	**680.5**	**742.9**	**782.3**	**886.3**	**100.0**	**100.0**	**100.0**	**100.0**
Individual income taxes	103.7	156.4	287.5	349.6	362.9	396.7	416.9	465.4	53.0	54.9	53.4	52.5
Withheld by employers	77.4	122.1	223.8	266.0	279.0	299.0	314.8	322.5	39.5	43.1	40.2	36.4
Employment taxes [1]	37.4	70.1	128.3	173.8	199.2	225.2	243.9	277.0	19.1	24.7	30.2	31.3
Old-age and disability insurance	35.7	67.1	122.5	166.4	189.5	215.6	234.9	266.6	18.2	23.6	29.0	30.1
Unemployment insurance	.8	1.4	3.3	4.3	6.0	5.7	5.3	6.2	.4	.6	.8	.7
Corporation income taxes	35.0	45.7	72.4	61.8	74.2	77.4	80.4	102.8	17.9	13.9	10.4	11.6
Estate and gift taxes	3.7	4.7	6.5	6.2	6.2	6.6	7.2	7.7	1.9	1.3	.9	.9
Excise taxes	15.9	16.8	24.6	35.8	38.0	37.0	33.7	33.3	8.1	4.7	5.0	3.8
Alcohol	4.7	5.4	5.7	5.6	5.4	5.4	5.6	11.1	2.4	1.1	.7	1.3
Tobacco	2.1	2.3	2.4	4.1	4.7	4.5	4.6		1.1	.5	.6	
Manufactures	6.7	5.5	6.5	6.4	10.1	10.0	9.9	10.2	3.4	1.3	1.3	1.2
Windfall profits tax	(x)	(x)	3.1	15.7	8.1	5.1	8.9	(z)	(x)	.6	.7	(z)
Other	2.4	3.7	6.9	4.0	9.7	12.0	4.7	12.0	1.2	1.3	1.6	1.4

X Not applicable. Z Less than $50 million or .05 percent. [1] Includes railroad retirement, not shown separately.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service.*

No. 506. Federal Individual Income Tax Returns With Adjusted Gross Income (AGI)—Summary: 1970 to 1986

[Includes Puerto Rico and Virgin Islands. Except as noted, includes returns of resident aliens, based on a sample of unaudited returns as filed. Data are not comparable for all years because of tax changes and other changes, as indicated. See *Statistics of Income, Individual Income Tax Returns* publications for a detailed explanation. See Appendix III. See *Historical Statistics, Colonial Times of 1970*, series Y 393–411, for related data]

ITEM	NUMBER OF RETURNS (1,000)					AMOUNT (mil. dol.)					AVERAGE AMOUNT (dollars)				
	1970	1975	1980	1985	1986, prel.	1970	1975	1980	1985	1986, prel.	1970	1975	1980	1985	1986, prel.
Total returns	74,280	82,229	93,902	101,660	103,100	631,693	947,785	1,613,731	2,305,951	2,522,517	8,504	11,526	17,185	22,683	24,419
Form 1040	74,280	54,528	57,123	67,006	68,885	631,693	789,435	1,310,088	1,936,263	2,151,163	8,504	14,478	22,935	28,927	31,228
Salaries and wages	66,966	73,520	83,802	87,198	88,587	531,884	795,399	1,349,843	1,928,201	2,046,135	7,943	10,819	16,108	22,113	23,097
Interest received	32,630	40,378	49,020	64,526	65,490	22,021	43,434	102,009	182,109	168,202	675	1,076	2,081	2,822	2,568
Dividends after exclusion	7,730	8,853	10,739	15,528	16,752	15,807	21,892	38,761	55,046	63,074	2,045	2,473	3,609	3,545	3,765
Business or profession profit less loss	6,160	7,243	8,881	11,900	12,431	30,554	39,421	55,129	78,773	90,367	4,960	5,443	6,207	6,620	7,269
Sales of capital assets, net gain less loss	7,963	7,575	9,971	11,126	15,560	9,007	14,072	30,029	67,694	132,842	1,131	1,858	3,012	6,084	8,537
Pensions and annuities in AGI	3,250	5,089	7,374	13,133	14,771	7,879	20,887	43,340	95,096	107,697	2,424	4,104	5,878	7,241	7,291
Rents and royalties, net income less loss	6,557	7,144	8,208	9,971	9,620	3,233	5,202	4,105	−12,964	−13,024	493	728	500	−1,300	−1,354
Partnerships and S Corporations [1], profit less loss	(NA)	(NA)	3,910	5,488	5,642	12,636	12,811	10,099	−2,527	5,454	(NA)	(NA)	2,583	−460	967
Farm profit less loss	3,027	2,755	2,608	2,621	2,533	2,789	3,563	−1,792	−12,006	−6,907	921	1,293	−687	−4,580	−2,727
Statutory adjustments, total	6,371	9,024	13,149	37,763	38,231	7,665	15,102	28,614	95,082	99,246	1,203	1,674	2,176	2,518	2,596
Individual Retirement Arrangements	(NA)	1,212	2,564	16,206	15,714	(NA)	1,436	3,431	38,212	38,256	(NA)	1,185	1,338	2,358	2,436
Self-employed retirement (Keogh) plan	592	596	569	676	772	848	1,604	2,008	5,182	6,178	1,432	2,691	3,529	7,666	8,003
Married couples who both work	(NA)	(NA)	(NA)	24,835	25,858	(NA)	(NA)	(NA)	24,615	26,915	(NA)	(NA)	(NA)	991	1,041
Exemptions, total [2]	204,126	212,203	227,925	244,180	246,596	127,531	159,141	227,560	253,720	266,106	625	750	998	1,039	1,079
Age 65 or older	8,904	9,937	11,847	16,749	17,581	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Blind	126	218	185	327	317	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Standard and itemized deductions, total [3]	73,862	81,586	88,105	96,849	98,525	120,550	233,182	362,776	554,734	611,416	1,632	2,858	4,118	5,728	6,206
Itemized deductions, total [3]	35,430	26,074	28,950	39,848	40,839	88,176	122,261	218,028	405,024	446,542	2,489	4,689	7,531	10,164	10,934
Medical and dental expenses	27,436	19,483	19,458	10,777	10,568	10,586	11,422	14,972	22,926	25,063	386	586	769	2,127	2,372
Taxes paid	35,161	25,929	28,749	39,548	40,605	32,015	44,141	69,404	128,085	144,705	911	1,702	2,414	3,239	3,564
Interest paid	29,206	23,385	26,677	36,287	37,375	23,929	38,885	91,187	180,095	194,451	819	1,663	3,418	4,963	5,203
Contributions	33,634	24,643	26,601	36,162	36,858	12,893	15,393	25,810	47,963	54,454	383	625	970	1,326	1,477
Taxable income	59,594	65,853	88,105	96,124	97,742	401,154	595,493	1,279,985	1,820,741	1,976,812	6,731	9,043	14,526	18,942	20,225
Income tax before credits	59,597	65,855	76,136	85,994	86,976	84,157	132,452	256,294	332,165	378,422	1,412	2,011	3,366	3,863	4,351
Tax credits, total [2]	1,715	65,855	19,674	20,995	17,374	370	8,070	7,216	10,248	7,655	216	123	367	488	441
Child care	(NA)	(NA)	4,231	8,418	9,228	(NA)	(NA)	956	3,128	3,494	(NA)	(NA)	226	372	379
Elderly and disabled	1,357	785	562	463	498	168	129	135	109	174	124	164	240	235	349
Residential energy	(NA)	(NA)	4,670	2,979	118	(NA)	(NA)	562	812	47	(NA)	(NA)	120	273	398
Foreign tax	200	234	393	454	495	170	382	1,342	783	1,343	850	1,632	3,415	1,725	2,713
General business credit [4]	(NA)	(NA)	(NA)	4,614	634	(NA)	(NA)	(NA)	4,791	1,035	(NA)	(NA)	(NA)	1,038	1,632
Income tax, total [5]	59,317	61,491	73,906	82,846	84,324	83,909	124,526	250,341	325,710	377,051	1,415	2,025	3,387	3,932	4,471

NA Not available. [1] Represents corporations with no more than 35 shareholders (10 prior to 1983), most of which are individuals electing to be taxed at the shareholder level. [2] Includes items not shown separately. [3] Includes charitable deduction for nonitemizers. [4] Includes investment credit. [5] Includes minimum tax or alternative minimum tax.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin, Fall, 1987* and *Statistics of Income, Individual Income Tax Returns*, annual.

No. 507. Individual Income Tax Returns—Number, Income Tax and Average Tax, by Size of Adjusted Gross Income: 1985 and 1986

[Number in thousands; money amounts in millions of dollars]

SIZE OF ADJUSTED GROSS INCOME	NUMBER OF RETURNS		TOTAL ADJUSTED GROSS INCOME (AGI)		TAXABLE INCOME		INCOME TAX, TOTAL [1]		FILERS WITH INCOME TAX LIABILITY			
									Average tax (dol.)		Tax as percent of AGI	
	1985	1986, prel.	1985	1986, prel.	1985	1986, prel.	1985	1986, prel.	1985	1986, prel.	1985	1986, prel.
Total	**101,660**	**103,300**	**2,305,951**	**2,522,517**	**1,620,741**	**1,976,812**	**325,710**	**377,051**	**3,931**	**4,471**	**14.4**	**14.9**
Less than $1,000 [2]	3,292	2,988	−36,741	−31,692	7	3	186	212	16,964	15,137	(x)	(x)
$1,000–$2,999	6,771	6,948	13,581	14,072	5,948	6,093	42	59	111	142	5.4	.4
$3,000–$4,999	6,685	6,905	26,770	27,834	16,049	16,319	348	326	100	98	2.4	1.2
$5,000–$6,999	6,571	6,480	39,357	38,970	25,680	24,635	1,193	1,041	275	248	4.5	2.7
$7,000–$8,999	6,664	6,203	53,478	49,604	37,544	33,767	2,260	1,963	460	445	5.7	4.0
$9,000–$10,999	6,235	6,166	62,125	61,415	46,036	44,048	3,481	3,222	633	603	6.3	5.2
$11,000–$12,999	5,583	5,548	66,863	66,513	51,016	49,612	4,549	4,333	865	833	7.2	6.5
$13,000–$14,999	5,387	5,303	75,352	74,060	58,865	57,158	5,789	5,467	1,119	1,073	8.0	7.4
$15,000–$16,999	4,895	4,771	78,225	76,279	61,706	59,727	6,534	6,334	1,375	1,361	8.6	8.3
$17,000–$18,999	4,543	4,514	81,675	81,217	65,462	64,575	7,482	7,304	1,666	1,645	9.4	9.0
$19,000–$21,999	6,089	6,099	124,506	125,032	100,463	99,384	12,203	11,990	2,044	1,991	10.0	9.6
$22,000–$24,999	5,051	5,210	118,540	122,220	95,256	98,354	12,275	12,688	2,469	2,454	10.5	10.4
$25,000–$29,999	7,458	7,536	204,399	207,522	164,077	165,343	22,917	22,806	3,103	3,042	11.3	11.0
$30,000–$39,999	11,636	11,535	402,943	399,682	320,092	315,276	49,794	48,781	4,722	4,249	12.4	12.2
$40,000–$49,999	6,702	7,516	297,914	334,721	233,646	261,482	41,502	46,057	6,215	6,136	14.0	13.8
$50,000–$74,999	5,629	6,472	333,710	384,277	259,467	297,565	56,065	62,874	9,984	9,732	16.8	16.4
$75,000–$99,999	1,263	1,543	107,425	131,616	82,293	100,414	21,795	26,231	17,297	17,029	20.3	19.9
$100,000–$199,999	909	1,152	119,200	152,496	90,835	117,869	29,657	38,543	76,424	33,495	25.9	25.3
$200,000–$499,999	238	306	68,986	87,234	52,920	68,411	22,033	28,726	199,605	94,001	32.1	32.9
$500,000–$999,999	41	57	27,541	37,140	21,270	30,527	9,878	14,397	240,714	254,001	35.9	38.8
$1,000,000 or more	17	36	40,100	82,275	32,087	66,253	15,728	33,694	910,931	940,434	39.3	41.0

X Not applicable. [1] Consists of income tax after credits, alternative minimum tax, and minimum tax. [2] For many taxpayers in this size class includes minimum tax or alternative tax on tax preferences not included in "taxable income." Includes returns with adjusted gross deficit.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Summer 1987, and *Statistics of Income, Individual Income Tax Returns*, annual.

No. 508. Individual Income Tax Returns—Itemized Deductions and Statutory Adjustments, by Size of Adjusted Gross Income: 1986

[Preliminary]

ITEM	Unit	ADJUSTED GROSS INCOME CLASS							
		Total	Under $10,000	$10,000 to $19,999	$20,000 to $29,999	$30,000 to $39,999	$40,000 to $49,999	$50,000 to $99,999	$100,000 and over
Returns with itemized deductions: Number	1,000	40,839	2,343	5,692	8,439	8,674	6,586	7,593	1,511
Amount	Mil. dol	446,542	12,401	35,702	59,579	75,635	70,191	116,572	76,462
Medical and dental expenses: Returns	1,000	10,569	1,416	3,028	2,599	1,712	953	794	69
Amount	Mil. dol	25,063	4,684	6,962	4,363	3,110	2,097	2,837	1,010
Taxes paid: Returns, total	1,000	40,605	2,200	5,639	8,425	8,662	6,581	7,587	1,510
State, local income taxes	1,000	33,367	1,211	4,212	7,046	7,448	5,643	6,491	1,316
Real estate taxes	1,000	33,162	1,350	4,196	6,296	7,148	5,791	6,966	1,416
Amount, total	Mil. dol	144,705	2,272	8,611	17,739	24,399	23,625	40,470	27,589
State, local income taxes	Mil. dol	72,396	358	2,297	7,245	11,231	11,131	20,463	19,671
Real estate taxes	Mil. dol	39,631	1,255	3,625	5,387	6,854	6,660	11,025	4,826
Interest paid: Returns	1,000	37,375	1,388	4,936	7,908	8,287	6,346	7,155	1,354
Amount	Mil. dol	194,451	3,656	15,159	27,491	36,206	33,670	53,872	24,396
Home mortgages interest: Returns	1,000	29,161	960	3,374	5,709	6,512	5,356	6,147	1,102
Amount	Mil. dol	125,722	2,497	9,912	17,906	24,102	22,606	36,585	12,113
Contributions: Returns	1,000	36,858	1,615	4,764	7,510	7,968	6,194	7,340	1,466
Amount	Mil. dol	54,454	883	3,319	5,949	7,049	6,671	12,409	18,174
Contributions by non-itemizers: Returns	1,000	28,188	8,614	11,026	5,405	2,052	724	340	26
Amount	Mil. dol	13,365	2,488	5,056	3,071	1,461	679	529	81
Returns with statutory adjustments: [1] Returns	1,000	38,231	2,103	5,959	8,331	7,750	5,980	6,833	1,246
Amount of adjustments	Mil. dol	99,246	2,924	8,170	14,306	16,517	16,119	30,109	11,101
Payments to IRA's: [2] Returns	1,000	15,714	608	1,780	2,717	2,877	2,524	4,118	1,089
Amount	Mil. dol	38,256	1,006	3,276	5,366	6,474	6,369	12,353	3,411
Payments to Keogh plans: Returns	1,000	772	9	53	81	105	80	273	171
Amount	Mil. dol	6,176	39	112	195	341	307	1,847	3,336

[1] Also includes disability income exclusion, employee business expenses, moving expenses, forfeited interest penalty, alimony paid, deduction for expense of living abroad, and other data not shown separately. [2] Individual Retirement Accounts.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

No. 509. Federal Individual Income Tax Returns—Adjusted Gross Income, by Source of Income and Income Class for Taxable Returns: 1986

[In millions of dollars, except percent. Preliminary. Minus sign (–) indicates net loss was greater than net income. See headnote, table 506]

ITEM	Total [1]	Under $10,000	$10,000 to $19,999	$20,000 to $29,999	$30,000 to $39,999	$40,000 to $49,999	$50,000 to $99,999	$100,000 and over
Number of returns (1,000)	84,324	15,073	24,058	16,657	11,480	7,506	8,001	1,549
SOURCE OF INCOME								
Adjusted gross income (AGI)	2,472,676	100,561	355,176	411,349	397,738	334,314	514,963	358,576
Salaries and wages	1,976,635	78,634	285,299	354,063	355,956	298,168	432,310	172,204
Percent of AGI for taxable returns	79.9	78.2	80.3	86.1	89.5	89.2	83.9	48.0
Interest received	155,392	13,177	29,823	23,599	17,755	15,263	29,435	26,341
Dividends in AGI	60,482	1,640	5,130	5,586	4,407	4,841	12,658	26,220
Business and profession, net profit less loss	90,329	2,721	10,267	12,699	10,532	9,544	24,662	19,906
Pensions and annuities in AGI	102,105	6,087	26,058	20,737	13,941	12,625	17,553	5,105
Sales of property,[2] net gain less loss	134,401	2,429	3,161	4,263	4,958	5,176	18,442	95,974
Rents and royalties, net income less loss	−8,897	−321	−212	−2,632	−2,377	−2,238	−2,996	1,879
Other sources,[3] net	−37,771	−3,806	−4,350	−6,966	−7,434	−9,065	−17,101	10,948
PERCENTAGE OF ALL RETURNS								
Number of returns	81.6	14.6	23.3	16.1	11.1	7.3	7.7	1.5
Adjusted gross income	98.0	4.0	14.1	16.3	15.8	13.3	20.5	14.2
Salaries and wages	96.6	3.8	13.9	17.3	17.4	14.6	21.1	8.4
Interest received	92.4	7.8	17.7	14.0	10.6	9.1	17.5	15.7
Dividends in AGI	95.9	2.6	8.1	8.9	7.0	7.7	20.1	41.6
Business and profession, net profit less loss	99.9	3.0	11.4	14.1	11.7	10.6	27.3	22.0
Pensions and annuities in AGI	94.1	5.6	24.0	19.1	12.8	11.6	16.2	4.7
Sales of property [2] net gain less loss	97.8	1.8	2.3	3.1	3.6	3.8	13.4	69.9

[1] Includes a small number of taxable returns with no adjusted gross income. [2] Includes sales of capital assets and other property $2,293 million in 1986. [3] Includes statutory adjustments of $99,246 million in 1986.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns, 1986.*

No. 510. Federal Individual Income Tax Returns, Income, and Taxes, 1970 to 1986, and by State, 1986

YEAR, DIVISION AND STATE	Number of returns [1] (1,000)	ADJUSTED GROSS INCOME (AGI) [2]		INCOME TAX	
		Total (mil. dol.)	Per capita [3] (dol.)	Total [4] (mil. dol.)	Per capita [3] (dol.)
1970	74,278	631,626	3,096	82,880	406
1975	82,229	947,765	4,399	124,526	578
1979	92,694	1,465,395	6,525	214,495	955
1980	93,902	1,613,731	7,180	250,341	1,102
1981	95,396	1,772,604	7,719	284,129	1,237
1982	95,337	1,852,135	7,983	227,597	1,197
1983	99,419	2,134,030	9,109	314,564	1,343
1984	99,439	2,139,904	9,049	301,923	1,277
1985	102,037	2,289,333	9,589	336,638	1,410
1986	**103,634**	**2,472,580**	**10,256**	**380,562**	**1,579**
N. Eng.:					
ME	512	10,633	9,065	1,489	1,269
NH	505	13,080	12,736	2,190	2,132
VT	237	5,073	9,377	728	1,346
MA	2,801	74,562	12,785	12,383	2,123
RI	447	10,444	10,712	1,580	1,621
CT	1,593	47,914	15,025	8,736	2,739
Mid. Atl.:					
NY	7,659	209,808	11,806	34,044	1,916
NJ	3,809	108,177	14,198	18,336	2,407
PA	5,142	116,983	9,840	17,701	1,489
E.N.C.:					
OH	4,580	105,307	9,794	15,332	1,426
IN	2,308	51,454	9,348	7,595	1,360
IL	4,957	123,481	10,689	20,194	1,748
MI	3,887	97,549	10,667	14,921	1,632
WI	2,035	44,928	9,389	6,168	1,289
W.N.C.:					
MN	1,825	43,702	10,371	6,309	1,497
IA	1,152	23,099	8,102	3,229	1,133
MO	2,126	48,181	9,511	7,378	1,456
ND	273	5,176	7,623	744	1,096
SD	265	4,812	6,797	679	959
NE	669	13,552	8,481	1,955	1,223
KS	1,029	23,142	9,407	3,492	1,420
DIVISION AND STATE					
S.A.:					
DE	291	7,285	11,509	1,112	1,757
MD	2,127	57,492	12,882	8,710	1,952
DC	325	8,278	13,224	1,398	2,233
VA	2,584	65,738	11,360	9,852	1,702
WV	664	13,553	7,066	1,846	982
NC	2,710	57,577	9,092	7,933	1,253
SC	1,347	27,775	8,225	3,651	1,081
GA	2,546	58,644	9,607	8,597	1,408
FL	5,301	123,771	10,601	20,901	1,790
E.S.C.:					
KY	1,382	27,961	7,498	3,933	1,055
TN	1,968	41,071	8,551	6,072	1,264
AL	1,537	32,055	7,911	4,422	1,091
MS	918	16,395	6,246	2,101	800
W.S.C.:					
AR	883	16,574	6,987	2,205	930
LA	1,606	32,811	7,290	4,777	1,061
OK	1,244	26,126	7,905	3,738	1,131
TX	6,642	152,812	9,159	25,078	1,503
Mt.:					
MT	331	5,746	7,016	785	958
ID	366	6,977	6,963	901	899
WY	196	4,273	8,428	659	1,300
CO	1,431	34,123	10,445	5,074	1,553
NM	595	11,589	7,836	1,561	1,055
AZ	1,395	32,189	9,698	4,600	1,386
UT	598	13,264	7,966	1,633	981
NV	468	11,212	11,643	1,855	1,926
Pac.:					
WA	1,947	46,153	10,344	7,012	1,571
OR	1,139	24,358	9,028	3,325	1,232
CA	12,025	311,810	11,557	47,690	1,769
AK	231	6,496	12,165	1,068	2,037
HI	485	10,959	10,319	1,517	1,428
Other [5]	520	6,435	(NA)	1,355	(NA)

NA Not available. [1] Beginning 1983, includes returns filed by nonresident aliens and certain self-employment tax returns. [2] Less deficit. [3] Based on resident population as of July 1. [4] Includes additional tax for tax preferences, self-employment tax, and recomputed prior-year taxes before earned income credit. [5] Returns with addresses outside the United States. Includes data from tax returns of nonresident aliens.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Winter 1987–88.

No. 511. Federal Individual Income Tax—Effective (Average) and Marginal Tax Rates, for Selected Income Groups: 1954 to 1985

[Refers to income after exclusions. Effective rate represents tax liability divided by stated income. The marginal tax rate is the percentage of the first additional dollar of income which would be paid in income tax. Computations assume the low income allowance, standard deduction, zero bracket amount, or itemized deductions equal to 10 percent of adjusted gross income, whichever is greatest. Excludes self-employment tax. See *Historical Statistics, Colonial Times to 1970*, series Y 412–439, for similar data based on net income]

ADJUSTED GROSS INCOME [1]	TAX LIABILITY							EFFECTIVE RATE (percent)							MARGINAL TAX RATE (percent)						
	1954–1963	1965	1970 [2]	1975	1979–1980 [3]	1984	1985	1954–1963	1965	1970 [2]	1975	1979–1980 [3]	1984	1985	1954–1963	1965	1970 [2]	1975	1979–1980 [3]	1984	1985
CURRENT DOLLARS																					
Single person, no dependents:																					
$5,000	818	671	683	404	250	193	177	16.4	13.4	13.7	8.1	5.0	3.9	3.5	22	19	19.5	19	16	12	12
$10,000	2,096	1,742	1,726	1,476	1,177	915	888	21.0	17.4	17.3	14.8	11.8	9.2	8.9	34	28	25.6	20.2	21	16	16
$20,000	5,900	4,918	4,405	4,123	3,837	2,945	2,845	29.5	24.6	22.0	20.6	19.2	14.7	14.3	50	42	34.8	34	34	26	26
$25,000	8,324	6,982	6,091	5,865	5,484	4,205	4,125	33.3	27.9	24.4	23.5	21.9	16.8	16.5	56	48	39.0	38	39	30	26
$35,000	13,778	11,627	10,028	9,698	9,194	7,065	6,916	39.4	33.2	28.7	27.7	26.3	20.2	19.8	62	53	46.1	45	44	34	34
$50,000	22,788	19,230	17,235	16,710	16,032	12,335	12,067	45.6	38.5	34.5	33.4	32.1	24.7	24.1	72	60	61.5	60	55	42	42
$75,000	39,702	33,206	31,560	30,680	29,487	22,595	22,195	52.9	44.3	42.1	40.9	39.3	30.1	29.6	78	64	65.6	64	63	48	48
Married couple, 2 dependents: [4]																					
$5,000	420	290	290	[5] –300	[5] –500	[5] –500	[5] –550	8.4	5.8	5.8	[5] 6.0	[5] –10.0	[5] –10.0	[5] –11.0	20	15	15	[5] 10	–	–	–
$10,000	1,372	1,114	1,112	709	374	291	[5] 132	13.7	11.1	11.2	7.1	3.7	2.9	[5] 1.3	22	19	19.5	19	16	12	[5] 24.2
$20,000	3,800	3,160	3,213	2,740	2,265	1,741	1,682	19.0	15.8	16.1	13.7	11.3	8.7	8.4	30	25	25.6	25	24	18	16
$25,000	5,318	4,412	4,490	4,092	3,497	2,673	2,566	21.3	17.6	18.0	16.4	14.0	10.7	10.3	36	32	28.7	28	28	22	18
$35,000	9,037	7,529	7,677	7,175	6,571	5,070	4,916	25.8	21.5	21.9	20.5	18.8	14.5	14.0	47	39	40.0	39	37	28	25
$50,000	15,976	13,388	13,674	12,980	12,118	9,310	9,066	32.0	26.8	27.3	26.0	24.2	18.6	18.2	56	48	49.2	48	43	33	33
$75,000	29,635	25,025	25,594	24,575	23,404	18,066	17,649	39.5	33.4	34.1	32.8	31.2	24.1	23.5	65	55	56.4	55	54	42	42

ADJUSTED GROSS INCOME [1]	CURRENT INCOME EQUIVALENT TO CONSTANT INCOME							EFFECTIVE RATE (percent)							MARGINAL TAX RATE (percent)						
	1960	1970	1975	1979	1980	1984	1985	1960	1970 [2]	1975	1979	1980	1984	1985	1960	1970 [2]	1975	1979	1980	1984	1985
CONSTANT (1980) DOLLARS [6]																					
Single person, no dependents:																					
$5,000	2,010	2,585	3,499	4,536	5,000	6,160	6,353	12.0	7.5	4.0	3.9	5.0	5.6	5.6	20	16.8	16	16	16	14	14
$10,000	4,019	5,170	6,998	9,902	10,000	12,320	12,705	15.5	13.8	11.4	10.9	11.8	10.5	10.5	22	21.5	21	19	21	18	18
$20,000	8,038	10,341	13,997	18,144	20,000	24,639	25,411	19.3	17.0	16.7	17.9	19.2	16.7	16.6	30	25.6	22.7	30	34	26	26
$25,000	10,048	12,926	17,496	22,680	25,000	30,799	31,764	21.0	18.7	19.0	20.9	21.9	18.8	18.7	34	27.7	31	34	39	34	30
$35,000	14,067	18,097	24,494	31,752	35,000	43,119	44,469	24.4	21.1	23.2	24.9	26.3	22.7	22.6	43	31.8	38	44	44	38	38
$50,000	20,095	25,852	34,992	45,361	50,000	61,599	63,527	29.6	24.8	27.7	30.0	32.1	27.3	27.1	50	41.0	45	55	55	48	48
$75,000	30,143	38,779	52,487	68,041	75,000	92,398	95,291	36.7	30.2	34.4	37.5	39.1	32.6	32.5	62	51.2	60	63	63	50	50
Married couple, 2 dependents: [4]																					
$5,000	2,010	2,585	3,499	4,536	5,000	6,160	6,353	–	–	[5] –10	[5] –10	[5] –10	[5] –7.8	[5] –8.7	–	–	[5] –10	[5] –10	–	[5] 12.5	–
$10,000	4,019	5,170	6,998	9,902	10,000	12,320	12,705	6.1	5.8	[5] 1.2	[5] 1.4	3.7	4.7	4.7	20	16.8	[5] 26	[5] 26.5	16	14	14
$20,000	8,038	10,341	13,997	18,144	20,000	24,639	25,411	12.2	11.4	10.2	10.3	11.3	10.5	10.4	22	19.5	18.5	21	24	22	22
$25,000	10,048	12,926	17,496	22,680	25,000	30,799	31,764	13.7	12.9	12.1	12.8	14.0	13.0	12.9	22	22.6	22	24	28	25	25
$35,000	14,067	18,097	24,494	31,752	35,000	43,119	44,469	16.1	15.3	16.1	17.4	18.8	16.9	16.7	26	25.6	28	32	37	33	33
$50,000	20,095	25,852	34,992	45,361	50,000	61,599	63,527	19.0	18.3	20.5	22.8	24.2	21.4	21.3	30	32.8	38	43	44	38	38
$75,000	30,143	38,779	52,487	68,041	75,000	92,398	95,291	23.6	23.3	26.8	29.4	31.2	26.7	26.6	43	43.0	50	54	54	42	42

– Represents zero. [1] See headnote, table 506. [2] Includes tax surcharge. [3] 1981 tax liability and tax rates are 98.75 percent of the 1980 rates. [4] Only one spouse is assumed to work. [5] Refundable earned income credit. [6] Amount of adjusted gross income equivalent to adjusted gross income in 1980 dollars was calculated by using the NIPA personal consumption expenditure deflator (1972=100). The values of the deflators are: 1960, 71.9; 1970, 92.5; 1975, 125.3; 1979, 162.3; 1980, 178.9; 1984, 220.4; and 1985, 227.3 (estimated).

Source: U.S. Dept. of the Treasury, unpublished data.

NO. 512. FEDERAL CIVILIAN EMPLOYMENT, BY BRANCH, AGENCY, AND AREA: 1980 AND 1987

[As of **September 30**]

AGENCY	TOTAL			UNITED STATES			WASHINGTON, DC METROPOLITAN AREA (MSA)		
	1980	1987	Percent change 1980–1987	1980	1987	Percent change 1980–1987	1980	1987	Percent change 1980–1987
Total, all agencies	**2,875,866**	**3,090,899**	**7.5**	**2,753,770**	**2,943,045**	**6.9**	**360,452**	**350,406**	**-2.8**
Legislative branch, total [1]	39,710	37,918	−4.5	39,625	37,855	−4.5	37,141	35,498	−4.4
Congress [1]	19,096	19,364	1.4	19,096	19,364	1.4	19,096	19,364	1.4
U.S. Senate	7,195	7,311	1.6	7,195	7,311	1.6	7,195	7,311	1.6
House of Representatives	11,888	12,038	1.3	11,888	12,038	1.3	11,888	12,038	1.3
Architect of the Capitol	2,168	2,157	−.5	2,168	2,157	−.5	2,168	2,157	−.5
Judicial branch	15,178	20,244	33.4	14,997	20,013	33.4	1,614	1,799	11.5
Supreme Court	331	342	3.3	331	342	3.3	331	342	3.3
U.S. Courts	14,847	19,902	34.0	14,666	19,671	34.1	1,283	1,457	13.6
Executive branch, total	2,820,978	3,032,537	7.5	2,699,148	2,885,177	6.9	321,697	313,111	−2.7
Executive Office of the President [1]	1,886	1,553	−17.7	1,879	1,545	−17.8	1,879	1,545	−17.8
White House Office	406	366	−9.9	406	366	−9.9	406	366	−9.9
Office of the Vice-President	16	24	50.0	16	24	50.0	16	24	50.0
Office of Management and Budget	616	550	−10.7	616	550	−10.7	616	550	−10.7
Office of Administration	166	193	16.3	166	193	16.3	166	193	16.3
Council of Economic Advisors	35	30	−14.3	35	30	−14.3	35	30	−14.3
Executive departments	1,716,970	1,806,101	5.2	1,618,621	1,681,653	3.9	233,030	229,672	−1.4
State	23,497	25,483	8.5	8,187	8,253	.8	7,038	7,285	3.5
Treasury	124,663	149,187	19.7	123,649	148,134	19.8	17,988	19,509	8.5
Defense	960,116	1,090,018	13.5	883,468	989,078	12.0	78,311	88,573	13.1
Justice	56,327	70,696	25.5	55,457	69,506	25.3	16,033	18,522	15.5
Interior	77,357	76,719	−.8	77,031	76,366	−.9	10,284	9,034	−12.2
Agriculture	129,139	116,993	−9.4	127,637	115,520	−9.5	13,565	12,128	−10.6
Commerce	48,563	34,826	−28.3	47,838	34,077	−28.8	20,400	18,157	−11.0
Labor	23,400	17,976	−23.2	23,299	17,934	−23.0	7,934	6,172	−22.2
Health and Human Services	155,662	127,039	−18.4	154,715	126,265	−18.4	33,251	29,304	−11.9
Housing and Urban Development	16,964	13,033	−23.2	16,790	12,891	−23.2	4,805	3,252	−32.3
Transportation	72,361	62,488	−13.6	71,638	61,992	−13.5	10,465	8,502	−18.8
Energy	21,557	16,749	−22.3	21,549	16,744	−22.3	8,448	5,851	−30.7
Education	7,364	4,894	−33.5	7,363	4,893	−33.5	4,508	3,383	−25.0
Independent agencies [1]	1,102,122	1,224,883	11.1	1,078,648	1,201,979	11.4	86,786	81,894	−5.6
Environmental Protection Agency	14,715	15,173	3.1	14,700	15,156	3.1	5,226	5,078	−2.8
Equal Employment Opportunity Commission	3,515	3,278	−6.7	3,515	3,278	−6.7	876	810	−7.5
Federal Deposit Insurance Corporation	3,520	9,219	161.9	3,463	9,126	163.5	1,066	1,136	6.6
Fed. Emergency Mgm't. Agency	3,427	2,700	−21.2	3,410	2,694	−21.0	1,597	1,246	−22.0
General Services Administration	37,654	21,878	(x)	37,549	21,774	(x)	12,653	8,090	(x)
National Aeronautics and Space Administration	23,714	22,950	−3.2	23,692	22,943	−3.2	5,066	4,959	−2.1
Nuclear Regulatory Commission	3,283	3,426	4.4	3,283	3,426	4.4	2,546	2,246	−11.8
Office of Personnel Management	8,280	6,078	−26.6	8,259	6,047	−26.8	3,472	2,436	−29.8
Small Business Administration	5,804	4,846	−16.5	5,679	4,747	−16.4	1,074	1,332	24.0
Smithsonian Institution	4,403	5,028	14.2	4,301	4,915	14.3	4,065	4,684	15.2
Tennessee Valley Authority	51,714	32,738	−36.7	51,710	32,738	−36.7	15	14	−6.7
U.S. Information Agency [2]	8,138	8,896	9.3	3,317	4,407	32.9	3,060	4,122	34.7
U.S. International Development Cooperation Agency	6,152	4,803	−21.9	2,740	2,321	−15.3	2,721	2,310	−15.1
U.S. Postal Service	660,014	797,851	20.9	657,138	794,535	20.9	17,372	20,142	15.9
Veterans Administration	228,285	250,013	9.5	225,955	247,314	9.5	6,499	6,504	.1

NA Not available. X Not applicable. [1] Includes other branches, or other agencies, not shown separately. [2] Formerly International Communications Agency.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics—Employment and Trends,* bimonthly.

NO. 513. FEDERAL WHITE-COLLAR CIVILIAN EMPLOYMENT, BY SEX AND GRADE: 1970 TO 1987

[**1970–1985, as of Oct. 31; thereafter as of Sept. 30.** Represents full-time white-collar employment]

GRADE [1]	TOTAL (1,000)					PERCENT FEMALE				
	1970	1980	1983	1985	1987	1970	1980	1983	1985	1987
Total employment [2]	**1,885**	**2,006**	**2,039**	**2,156**	**2,203**	**33.1**	**38.6**	**46.2**	**47.4**	**48.2**
General Schedule and equivalent pay system	1,259	1,473	1,484	1,561	1,585	40.3	45.1	46.5	47.7	48.4
Grades 1–6 ($9,619–$21,480)	521	561	541	563	549	72.2	74.1	74.6	74.5	74.9
Grades 7–10 ($18,358–$32,148)	302	357	360	377	389	33.4	46.3	48.8	50.3	51.4
Grades 11–12 ($27,172–$42,341)	264	335	362	388	407	9.5	19.3	24.2	27.5	30.0
Grades 13–15 ($38,727–$69,976)	164	217	220	231	239	3.0	8.2	10.3	12.1	14.2
Grades 16–18 ($63,135–$72,500) [3]	8	3	1	1	1	1.4	4.4	5.8	6.1	6.9

[1] Pay ranges shown for General Schedule grades are as of January 1, 1987. [2] Includes U.S. Postal Service, and other systems not shown separately. [3] Beginning 1980, change in number reflects shift of senior level employees to Senior Executive Service.

Source: U.S. Office of Personnel Management, *Occupations of Federal White-Collar and Blue-Collar Workers,* biennial, and *The Pay Structure of the Federal Civil Service,* annual.

NO. 514. FEDERAL CIVILIAN EMPLOYMENT AND ANNUAL PAYROLL, BY BRANCH: 1970 TO 1987

[Annual employment: **For fiscal year ending in year shown;** see text, section 9. Includes employees in U.S. territories and in foreign countries. Data represent employees in active-duty status, including intermittent employees. Annual employment figures are averages of monthly figures. Excludes Central Intelligence Agency, National Security Agency, and as of November 1984, the Defense Intelligence Agency. See also *Historical Statistics, Colonial Times to 1970,* series Y 308–317]

YEAR	EMPLOYMENT						PAYROLL				
	Total [1] (1,000)	Percent of U.S. employed [2]	Executive		Legislative (1,000)	Judicial (1,000)	Total [1] (mil. dol.)	Executive		Legislative (mil. dol.)	Judicial (mil. dol.)
			Total [1] (1,000)	Defense (1,000)				Total [1] (mil. dol.)	Defense (mil. dol.)		
1970	[3] 2,928	3.7	[3] 2,891	1,195	30	7	[3] 28,562	[3] 28,117	11,352	353	92
1975	2,882	3.4	2,834	1,036	37	10	40,699	39,944	14,356	589	166
1978	2,875	3.0	2,822	987	40	13	49,921	48,899	16,995	771	251
1979	2,897	2.9	2,844	970	40	13	53,590	52,513	18,065	817	260
1980	[4] 2,987	3.0	[4] 2,933	972	40	14	[4] 58,012	[4] 56,841	19,234	883	288
1981	2,910	2.9	2,855	988	40	15	63,792	62,510	21,227	922	360
1982	2,871	2.9	2,816	1,019	39	16	65,503	64,125	22,226	980	398
1983	2,878	2.9	2,823	1,033	39	16	69,878	68,420	23,406	1,013	445
1984	2,935	2.8	2,879	1,052	40	17	74,537	73,005	25,253	1,081	451
1985	3,001	2.8	2,944	1,080	39	18	80,445	78,840	28,219	1,097	509
1986	3,047	2.8	2,990	1,089	38	19	82,598	80,941	29,272	1,112	545
1987	3,075	2.7	3,018	1,084	38	19	85,543	83,797	29,786	1,153	593

[1] Includes Postal Service Christmas help. [2] Civilian only. See table 622. [3] Includes 33,000 temporary census workers. [4] Includes 4,975 temporary census workers.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics, Employment and Trends,* bimonthly, formerly the *Monthly Release of Federal Civilian Workforce Statistics;* and unpublished data.

NO. 515. FEDERAL CIVILIAN EMPLOYMENT—SUMMARY: 1970 TO 1987

[**In thousands. As of Dec. 31.** Excludes U.S. Territories and foreign countries, Central Intelligence Agency, National Security Agency, and the Defense Intelligence Agency. Partially estimated]

CHARACTERISTIC OF EMPLOYMENT	UNITED STATES								WASHINGTON, DC [1]				
	1970	1975	1980	1983	1984	1985	1986	1987	1970	1980	1985	1986	1987
Paid employment	**2,645**	**2,741**	**2,772**	**2,754**	**2,824**	**2,902**	**2,895**	**2,972**	**316**	**366**	**353**	**344**	**351**
Male	1,931	1,896	1,790	1,680	1,694	1,769	1,765	1,813	180	202	191	186	190
Female	714	845	982	1,074	1,130	1,133	1,130	1,159	136	164	162	158	161
Full-time	2,516	2,496	2,504	2,497	2,537	2,589	2,575	2,651	308	342	335	327	334
Other	129	245	268	257	287	313	320	321	8	24	18	17	17
Competitive service [2]	2,393	1,714	1,692	1,685	1,698	1,710	1,678	1,724	262	258	246	239	242
Temporary [3]	112	60	70	70	68	82	72	85	11	11	11	9	11
Excepted and Senior Executive Services (SES) [2] [4]	252	1,027	1,080	1,069	1,126	1,191	1,217	1,249	54	107	108	105	108
Permanent	164	863	917	926	968	1,015	1,035	1,057	38	70	73	73	74
Other	88	164	163	143	158	176	182	192	16	37	35	32	34
White-collar [5]	2,113	2,255	2,314	2,319	2,393	2,478	2,490	2,568	278	334	327	319	327
Blue-collar [5]	532	486	458	435	431	424	405	404	38	32	26	25	24

[1] Through June 30, 1983, represents SMSA; thereafter, MSA. [2] In 1971, under Postal Reorganization Act of 1970, U.S. Postal Service employees were changed from competitive service to excepted service. [3] Includes "indefinite." [4] Excepted from competitive requirements of Civil Service Act. Prior to 1980 SES was not included in total.
[5] Through 1980, based on full-time employment; beginning 1983, based on total workforce.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics, Employment and Trends,* bimonthly, formerly the *Monthly Release of Federal Civilian Workforce Statistics;* and unpublished data.

NO. 516. ACCESSIONS TO AND SEPARATIONS FROM PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT: 1970 TO 1988

[**In thousands, except rate. For fiscal year ending in year shown, except as noted;** see text, section 9. Includes accessions and separations of part-time and intermittent employees]

ITEM	UNITED STATES							WASHINGTON, DC [1]				
	1970	1975	1980	1985	1986	1987	Oct. 1987–March 1988	1980	1985	1986	1987	Oct. 1987–March 1988
Accessions, total	727.0	564.2	995.2	692.1	598.7	637.6	302.4	94.1	62.4	57.5	64.2	30.7
Monthly rate [2]	2.2	1.7	2.9	2.0	1.7	1.8	1.7	2.3	1.6	1.4	1.6	1.5
Separations, total	796.7	588.9	1,004.0	585.6	557.5	558.7	272.1	89.2	57.8	58.7	55.4	28.2
Monthly rate [2]	2.4	1.8	3.0	1.7	1.6	1.6	1.5	2.2	1.5	1.4	1.4	1.3
Quit [3]	334.4	212.9	227.7	236.6	206.7	206.1	89.8	32.9	25.2	26.2	24.3	9.1

[1] See footnote 1, table 515. [2] Per 100 employees. [3] Represents voluntary resignations by employees or separations by agency if employee declines new assignment, abandons position, joins military, or fails to return from military furlough.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics, Employment and Trends,* bimonthly, formerly the *Monthly Release of Federal Civilian Workforce Statistics.*

NO. 517. PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT 1960 TO 1986, AND BY STATE, 1986

[As of **December 31.** Excludes members and employees of Congress, Central Intelligence Agency, temporary Christmas help of t
U.S. Postal Service, and National Security Agency]

YEAR, DIVISION, AND STATE	Total (1,000)	Percent defense	Rate per 10,000 population [1]	DIVISION AND STATE	Total (1,000)	Percent defense
1960	2,213	42.1	123.4	**South Atlantic—Con.**		
1970	2,665	37.8	131.1	District of Columbia	206	8.3
1980	2,659	32.2	117.4	Virginia	156	67.9
1982	2,734	34.3	117.8	West Virginia	15	13.3
1984	2,771	34.3	117.2	North Carolina	45	35.6
1986, total [2]	**2,862**	**33.8**	**118.7**	South Carolina	32	62.5
New England	**121**	**28.1**	**95.0**	Georgia	86	46.5
Maine	17	58.8	144.9	Florida	101	31.7
New Hampshire	7	28.6	68.2	**East South Central**	**174**	**33.9**
Vermont	5	20.0	92.4	Kentucky	33	42.4
Massachusetts	59	20.3	101.2	Tennessee	58	12.1
Rhode Island	10	40.0	102.6	Alabama	59	45.8
Connecticut	23	21.7	72.1	Mississippi	24	45.8
Middle Atlantic	**361**	**28.0**	**96.8**	**West South Central**	**272**	**38.6**
New York	156	12.8	87.8	Arkansas	19	26.3
New Jersey	74	36.5	97.1	Louisiana	33	27.3
Pennsylvania	131	41.2	110.2	Oklahoma	48	54.2
East North Central	**319**	**27.3**	**76.4**	Texas	172	37.8
Ohio	90	37.8	83.7	**Mountain**	**187**	**32.6**
Indiana	41	36.6	74.5	Montana	11	9.1
Illinois	104	21.2	90.0	Idaho	10	10.0
Michigan	57	22.8	62.3	Wyoming	6	16.7
Wisconsin	27	11.1	56.4	Colorado	52	26.8
West North Central	**172**	**22.7**	**67.9**	New Mexico	26	38.5
Minnesota	31	9.7	73.6	Arizona	36	30.6
Iowa	18	5.6	63.1	Utah	36	55.6
Missouri	67	31.3	132.3	Nevada	10	20.0
North Dakota	8	25.0	117.8	**Pacific**	**445**	**43.1**
South Dakota	9	11.1	127.1	Washington	63	46.0
Nebraska	15	26.7	93.9	Oregon	27	11.1
Kansas	24	29.2	97.6	California	314	42.7
South Atlantic	**775**	**35.7**	**189.4**	Alaska	14	35.7
Delaware	5	40.0	79.0	Hawaii	27	77.8
Maryland	129	32.6	269.0			

[1] For 1960–1980, based on April 1 enumerated population; other years based on July 1 estimated resident population. [2] Pr
liminary. Includes employees not specified by State.

Source: U.S. Office of Personnel Management, *Biennial Report of Employment by Geographic Area.*

NO. 518. PAID FULL-TIME CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, ALL AREAS: 1980 TO 1987

[As of **March 31.** Excludes employees of Congress and Federal courts, maritime seamen of Dept. of Commerce, and small numb
for whom rates were not reported. See text, section 10 for explanation of general schedule and wage system. See al
Historical Statistics, Colonial Times to 1970, series Y 318–331]

COMPENSATION AUTHORITY	EMPLOYEES (1,000)						AVERAGE PAY (dol.)				
	1980	1983	1984	1985	1986	1987	1980	1983	1984	1985	1986
Total	**2,507**	**2,499**	**2,520**	**2,590**	**2,616**	**2,625**	**19,447**	**[1] 24,074**	**[1] 25,211**	**[1] 26,139**	**[1] 26,369**
General schedule	1,402	1,393	1,407	1,450	1,462	1,458	17,299	24,178	25,282	26,166	26,274
Wage system	456	430	420	418	409	391	17,644	21,500	22,393	23,288	23,837
Postal pay system [2]	536	547	561	586	606	633	20,076	24,612	25,504	26,559	26,744
Other	113	129	132	136	139	143	20,344	31,544	33,453	34,413	34,814

[1] Excludes postal pay system. [2] Source: U.S. Postal Service, *National Payroll Hours,* annual.

Source: Except as noted, U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service,* annu

NO. 519. FEDERAL GENERAL SCHEDULE EMPLOYEE PAY INCREASES: 1965 TO 1988

[Percent change from prior year shown, except 1965, change from 1964. Represents legislated pay increases. For some years
data based on range; for details see source]

EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase
Oct. 1, 1965	3.6	Oct. 1, 1972	5.1	Oct. 1, 1980	9.1
July 1, 1966	2.9	Oct. 1, 1973	4.8	Oct. 1, 1981	4.8
Oct. 1, 1967	4.5	Oct. 1, 1974	5.5	Oct. 1, 1982	4.0
July 1, 1968	4.9	Oct. 1, 1975	5.0	Jan. 1, 1984	4.0
July 1, 1969	9.1	Oct. 1, 1976	5.2	Jan. 1, 1985	3.5
Dec. 27, 1969	6.0	Oct. 1, 1977	7.0	Jan. 1, 1986	-
Jan. 1, 1971	6.0	Oct. 1, 1978	5.5	Jan. 1, 1987	3.0
Jan. 1, 1972	5.5	Oct. 1, 1979	7.0	Jan. 1, 1988	2.0

- Represents zero.

Source: U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service,* annual.

NO. 520. FEDERAL PAID CIVILIAN EMPLOYMENT, BY AGENCY: 1970 TO 1987

[As of end of fiscal year; see text, section 9. See headnote, table 514. Includes U.S. outlying areas and foreign countries. See also *Historical Statistics, Colonial Times to 1970*, series Y 308–317]

AGENCY	1970	1975	1980	1983	1984	1985	1986	1987
All agencies	**2,921,909**	**2,896,944**	**2,875,866**	**2,876,263**	**2,934,256**	**3,020,531**	[1] **3,022,189**	**3,090,699**
Legislative branch	30,715	38,531	39,710	39,143	38,832	38,764	36,490	37,918
Judicial branch	6,887	10,399	15,178	16,626	17,247	18,225	18,966	20,244
Executive branch [2]	2,884,307	2,848,014	2,820,978	2,820,494	2,878,176	2,963,542	2,966,773	3,032,537
Executive Office of the President	4,742	1,918	1,886	1,621	1,595	1,526	1,492	1,553
Executive departments	1,812,572	1,736,872	1,716,970	1,739,153	1,753,336	1,769,270	1,761,844	1,806,101
Agriculture	116,012	120,999	129,139	123,987	118,809	117,750	113,147	116,993
Commerce	[3] 57,674	36,228	[3] 48,563	35,576	35,271	35,150	34,397	34,826
Census Bureau	(NA)	(NA)	[3] 19,925	8,461	8,270	8,633	8,539	9,063
Defense	1,193,784	1,041,829	960,116	1,026,461	1,043,784	1,084,549	1,067,974	1,090,018
Education [4]	(X)	(X)	7,364	5,266	5,343	4,889	4,554	4,894
Energy [5]	(X)	(X)	21,557	17,229	16,976	16,749	16,657	16,749
Health and Human Services [4]	108,044	147,125	155,662	147,162	144,240	140,151	133,842	127,039
Social Security Admin.	(NA)	(NA)	84,272	86,052	84,932	82,967	77,823	70,783
Housing and Urban Development [6]	15,190	17,161	16,964	12,996	12,393	12,289	11,843	13,033
Interior	73,361	80,198	77,357	79,582	78,661	77,485	73,960	76,719
Justice	39,257	51,541	56,327	56,869	61,396	64,433	65,529	70,696
Labor	10,991	14,834	23,400	19,083	18,320	18,260	17,487	17,976
State	39,753	30,376	23,497	23,961	24,706	25,254	25,325	25,483
Transportation	65,965	75,035	72,361	62,959	62,781	62,227	61,281	62,488
Treasury	92,521	121,546	124,663	126,020	130,654	130,084	135,628	149,187
Internal Revenue Service	(NA)	(NA)	85,981	89,657	94,642	94,996	100,480	111,241
Independent agencies:								
Environmental Protection Agency [4]	(X)	10,772	14,715	11,931	13,048	13,788	14,021	15,173
National Aeronautics and Space Administration	32,548	26,447	23,714	22,784	22,085	22,562	22,244	22,950
Office of Personnel Management [7]	5,506	6,157	8,280	6,369	6,553	6,353	5,929	6,078
Railroad Retirement Board	1,734	1,961	1,795	1,565	1,578	1,681	1,601	1,637
Small Business Administration	4,269	4,796	5,804	5,100	5,093	4,960	4,906	4,846
Tennessee Valley Authority	22,244	26,423	51,714	37,181	33,569	32,035	30,564	32,738
Veterans Administration	168,719	213,143	226,285	238,739	239,923	247,156	240,423	250,013

NA Not available. X Not applicable. [1] Excludes agencies not shown separately. [2] Includes other agencies not shown separately. [3] Includes 24,278 enumerators in 1970 census, and 4,975 enumerators in the 1980 census. [4] Dept. of Education established Sept. 1979; formerly included with Health and Human Services. [5] Dept. of Energy established Oct. 1, 1977. [6] Includes Housing and Home Finance Agency. [7] Formerly Civil Service Commission.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics, Employment and Trends*, bimonthly; formerly the *Monthly Release of Federal Civilian Work Force Statistics.*

NO. 521. FEDERAL GOVERNMENT EMPLOYMENT, BY RACE AND HISPANIC ORIGIN, AND BY PAY SYSTEM: 1982 AND 1986

[As of Sept. 30. Covers total employment for only Executive Branch agencies participating in OPM's central personnel data file. Excludes foreign nationals abroad and U.S. Postal Service]

PAY SYSTEM	1982					1986, est.				
	Total employees (1,000)	Race/Hispanic origin				Total employees (1,000)	Race/Hispanic origin			
		Total [1] (1,000)	Percent of total	Black, non-Hispanic (1,000)	Hispanic (1,000)		Total [1] (1,000)	Percent of total	Black, non-Hispanic (1,000)	Hispanic (1,000)
All pay systems, total [2]	**2,008.6**	**484.0**	**24.1**	**311.1**	**90.0**	**2,084.0**	**541.8**	**26.0**	**339.8**	**105.2**
General schedule and equivalent [3]	1,508.3	336.2	22.3	222.0	59.0	1,592.7	392.6	24.6	253.6	72.4
GS 1–4 ($9,339–$16,723)	303.6	101.9	33.6	71.0	16.1	282.8	108.6	38.4	75.7	17.9
GS 5–8 ($14,390–$25,662)	464.9	126.5	27.2	90.2	20.2	491.3	148.1	30.1	102.8	25.0
GS 9–12 ($21,804–$41,105)	530.0	87.6	16.5	50.1	18.7	590.0	111.3	18.9	62.6	24.5
GS 13–15 ($37,599–$67,940)	209.8	20.1	9.6	10.7	4.0	228.6	24.6	10.8	12.5	5.0
Executive, total	7.8	.6	7.2	.3	.1	8.9	.6	6.6	.4	.1
Wage systems	414.0	134.6	32.5	83.5	28.0	409.2	135.2	33.0	80.9	29.7
Other pay systems [4]	69.3	10.1	14.6	3.7	2.3	69.0	11.8	17.1	3.8	2.7

[1] Includes American Indians, Alaska Natives, Asians, and Pacific Islanders, not shown separately. [2] Due to the inclusion of unspecified employee records, the pay systems listed do not add to the total. [3] Pay rates as of January 1986 for general schedule. Each grade (except Executive) includes several salary steps. Range is from lowest to highest step of grades shown. [4] Includes white-collar employment in other than General Schedule and Equivalent or Executive pay plans.

Source: U.S. Office of Personnel Management, *1986 Affirmative Employment Statistics;* biennial, and unpublished data.

NO. 522. FEDERAL LAND AND BUILDINGS OWNED AND LEASED: 1960 TO 1987

[For **fiscal years ending in year shown;** see text, section 9. Covers Federal real property throughout the world, except as not
Totals include data not shown separately. For data on Federal land by State, see table 335]

ITEM AND AGENCY	Unit	1960	1970	1975	1980	1982	1983	1984	1985
Federally owned:									
Land, total	Mil. acres	772	762	761	720	730	732	727	727
Dept. of Agriculture	Mil. acres	188	187	188	184	193	193	189	189
Dept. of Defense	Mil. acres	30	31	31	30	23	29	24	29
Dept. of the Interior	Mil. acres	553	540	538	502	511	507	500	500
Buildings, number [1]	1,000	413	418	405	403	387	418	438	454
Dept. of Defense [1]	1,000	320	319	312	301	292	321	323	354
Dept. of the Interior	1,000	31	34	30	34	35	37	36	37
Buildings, floor area [1]	Mil. sq. ft	2,445	2,542	2,502	2,522	2,467	2,609	2,725	2,880
Dept. of Defense [1]	Mil. sq. ft	1,929	1,857	1,802	1,777	1,707	1,838	1,920	2,065
General Services Administration	Mil. sq. ft	122	205	194	202	199	199	204	207
Dept. of the Interior	Mil. sq. ft	42	61	58	65	69	72	71	71
Veterans Administration	Mil. sq. ft	115	110	111	116	117	119	117	119
Cost of land, buildings, etc.[2]	Bil. dol	53	79	91	107	117	132	147	148
Dept. of Defense	Bil. dol	31	44	56	60	68	73	77	72
Dept. of the Interior	Bil. dol	5	8	10	10	12	12	13	14
Federally leased:									
Land	Mil. acres	1.8	1.6	1.2	1.4	1.4	1.4	1.8	1.3
Dept. of Defense	Mil. acres	1.7	1.4	1.0	1.2	1.2	1.1	1.1	.5
Buildings, floor area [1]	Mil. sq. ft	97	182	210	214	215	206	203	237
Dept. of Defense [1]	Mil. sq. ft	11	7	13	14	14	14	14	13
Rental property, cost	Mil. dol	174	451	684	1,054	1,422	1,532	1,547	1,681
Dept. of Defense	Mil. dol	35	63	65	156	314	323	324	326

[1] Excludes data for Dept. of Defense military functions outside United States. [2] See headnote, table 523.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout* *World*, annual, and *Inventory Report on Real Property Leased to the United States Throughout the World*, annual.

NO. 523. FEDERALLY OWNED LAND AND COST OF LAND, BY PREDOMINANT USAGE: 1965 TO 1987

[As of **end of fiscal year;** see text, section 9. Covers land in United States only (50 States and DC). Cost of land figur
represent total cost of property owned in year shown and exclude unreserved public domain; public domain reserved for natior
parks, national forests, military installations and other purposes; and historical sites acquired by methods other than by purcha
Properties are reported at actual or estimated cost as of date of acquisition without considering depreciation, obsolescence,
economic changes in value. For data on Federal land by State, see table 335]

YEAR AND AGENCY	Total [1]	Forest and wildlife	Grazing	Parks and historic sites	Military, exc. airfields	Flood control, navigation	Reclamation, irrigation	Power development
LAND (mil. acres)								
1965, total	765.8	508.4	165.2	22.8	15.7	6.7	7.8	1.9
1970, total	761.3	503.2	163.5	24.6	17.7	7.4	7.5	2.1
1975, total	760.4	502.3	164.0	25.3	18.1	8.0	7.0	1.5
1978, total	775.2	514.8	162.7	26.7	20.6	8.2	6.1	1.6
1979, total	769.9	472.1	162.5	68.5	18.0	8.3	6.0	1.5
1980, total	719.5	421.8	162.2	92.6	18.5	8.3	4.8	1.5
1981, total	730.8	432.3	161.7	102.2	10.5	8.4	3.8	1.6
1982, total	729.8	433.3	161.8	100.6	10.6	8.5	3.7	1.5
1983, total	732.0	434.0	162.1	95.6	16.9	8.3	3.8	1.5
1984, total	726.6	430.4	153.0	91.4	19.8	8.3	5.9	1.2
1985, total	727.4	430.6	154.7	94.0	26.0	5.8	5.3	1.0
1987, total	724.1	430.6	154.4	96.1	16.2	5.8	5.2	1.0
COST OF LAND (mil. dol.)								
1965	4,128	237	18	180	298	1,915	224	204
1970	5,475	350	26	373	331	2,591	312	251
1975	6,872	589	26	618	334	3,381	313	273
1978	8,762	789	27	1,047	477	3,914	580	296
1979	9,680	900	27	1,417	480	4,104	377	286
1980	9,982	975	28	1,560	502	4,331	365	304
1981	10,355	1,121	29	1,823	274	4,504	264	321
1982	10,777	1,211	29	1,907	266	4,696	280	316
1983	10,972	1,236	29	2,114	266	4,629	281	323
1984	12,324	1,223	26	2,799	349	4,615	439	306
1985	12,880	1,349	25	2,972	399	4,772	387	290
1987	12,120	1,471	26	1,944	327	4,934	398	290

[1] Includes other uses not shown separately.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout* *World*, annual.

NO. 524. PUBLIC LANDS—DISPOSAL TRANSACTIONS AND CASH RECEIPTS: 1961 TO 1987

[**For fiscal year ending in year shown;** see text, section 9. Period figures are totals, not annual averages. See also *Historical Statistics, Colonial Times to 1970,* series J 10-15 and J 26-32]

ITEM	Unit	1961-1987, total	1980	1981	1982	1983	1984	1985	1986	1987
Applications, entries, and selections allowed [1]	1,000 acres	[2] 184,905	1,167	1,311	10,390	5,350	1,835	1,404	4	1
Alaska	1,000 acres	[2] 181,305	1,160	1,277	10,299	5,148	1,601	1,131	-	-
Applications, entries, and selections approved [1]	1,000 acres	71,334	175	340	18,121	16,907	4,837	6,491	683	1,812
Alaska	1,000 acres	67,275	2	321	[3] 17,996	[3] 16,590	4,259	6,095	[4] 595	1,599
Patents and certificates [1]	1,000 acres	46,259	2,495	1,258	411	723	1,449	4,217	3,704	3,000
Alaska	1,000 acres	36,234	2,443	1,090	191	244	979	3,729	3,254	2,343
Homestead entries: [5]										
Allowed	Number	2,659	1	12	3	1	20	4	-	-
Acres	1,000	323	(Z)	1	(Z)	(Z)	2	1	-	-
Approved [6]	1,000 acres	237	1	2	2	1	3	2	-	-
Cash receipts	Mil. dol	97,194	5,079	11,270	7,860	11,680	7,914	6,939	5,864	5,014
Mineral leases [7]	Mil. dol	10,822	618	739	1,169	886	1,005	1,165	904	773
Outer Continental Shelf leases [7]	Mil. dol	81,205	4,101	10,138	6,250	10,492	6,694	5,542	4,716	4,021
Timber sales	Mil. dol	3,053	216	216	87	107	153	138	162	153
Public land, materials sales	Mil. dol	155	8	5	4	12	14	12	14	8
Fees and commissions	Mil. dol	293	29	44	4	2	2	2	2	2
Miscellaneous [8]	Mil. dol	1,653	108	138	366	181	46	75	66	57

- Represents zero. Z Less than 500 acres. [1] Covers homestead, desert land, and mineral entries, public auction sales, Indian and State selections; and other disposal transactions; excludes Indian fee and reissue trusts and corrective patents. [2] For years 1976-1980 includes entries under the Alaska Native Claims Act of Dec. 18, 1971. [3] Transfer of aggregate 31.8 million acres to the State of Alaska under the Alaska Statehood Act of July 7, 1958 and the Alaska National Interest Lands Conservation Act of December 2, 1980. [4] Administrative suspension of existing conveyance process to phase-in the new patent plan process. The acreages for the State of Alaska are more a function of administrative capacity to adjudicate the caseload rather than an indication of interest by applicants in making application, as is normally the case for other States. [5] Excludes ceded Indian lands. [6] Excludes commuted homesteads. [7] Source: Minerals Management Service, *Mineral Revenues,* annual through 1981; thereafter *Budget Revenue Records.* [8] Includes grazing revenues, rental of land, oil and gas pipeline right-of-way rentals (beginning fiscal year 1984), and other miscellaneous revenue.

Source: Except as noted, U.S. Bureau of Land Management, *Public Land Statistics,* annual.

NO. 525. PUBLIC LANDS—LEASES, PERMITS, AND LICENSES, BY CLASS: 1960 TO 1987

[**As of end of fiscal year except as noted;** see text, section 9. Excludes leases on acquired, submerged, and military lands. Excludes community pit and mineral material free use permits. See *Historical Statistics, Colonial Times to 1970,* series J 41-42, for oil and gas leases]

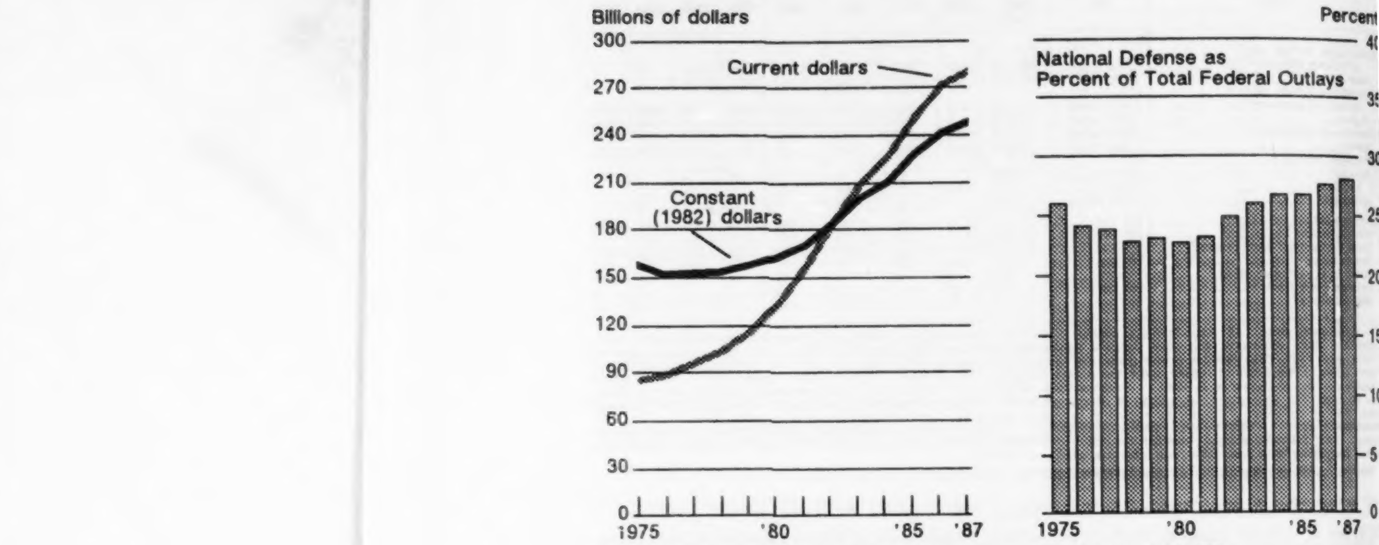
YEAR	MINERAL CLASS							GRAZING [4]	
	Total	Leases				Permits [3]	Licenses	Leases [5]	Permits [6]
		Total	Oil and gas [1]	Coal [2]	Other				
Number:									
1960	142,114	140,057	139,534	294	229	2,035	22	9,911	18,976
1965	101,863	101,086	100,339	379	368	763	14	8,912	18,712
1970	100,598	100,010	99,038	525	447	583	5	8,559	16,627
1975	104,075	103,762	102,815	529	418	309	4	7,785	15,480
1977	104,377	104,079	102,130	523	1,426	294	4	7,792	15,099
1978	105,284	105,088	102,984	524	1,580	183	13	9,884	14,925
1979	107,176	107,014	104,769	535	1,710	139	23	7,773	14,676
1980	106,125	105,363	103,571	522	1,870	132	30	7,700	14,741
1981	111,842	111,645	109,041	562	2,042	157	40	7,621	14,628
1982	118,589	118,365	115,369	607	2,369	149	75	7,837	12,956
1983	[7] 133,337	132,861	129,881	611	2,369	149	75	7,686	12,956
1984	[7] 118,254	117,849	115,382	450	2,017	348	57	7,550	13,053
1985	119,419	119,101	116,965	625	1,491	316	2	7,387	12,493
1986	105,513	105,226	102,885	605	1,736	246	41	7,218	12,394
1987	89,789	89,546	87,568	552	1,426	231	12	7,164	12,368
Acreage (1,000):									
1960	118,157	114,136	113,667	199	270	4,020	1	18,532	(NA)
1965	66,267	64,955	64,148	374	433	1,311	1	18,057	(NA)
1970	65,374	64,323	63,030	764	529	1,051	(Z)	18,262	(NA)
1975	82,618	81,885	80,621	780	485	733	(Z)	17,144	(NA)
1977	86,903	86,275	83,319	791	2,164	626	2	16,387	(NA)
1978	90,202	89,823	86,585	790	2,447	334	45	24,705	(NA)
1979	96,482	96,109	92,642	798	2,669	299	74	17,534	(NA)
1980	100,585	100,196	96,503	786	2,909	278	109	17,026	(NA)
1981	117,257	116,777	112,729	833	3,215	337	143	17,180	(NA)
1982	151,743	151,193	146,502	910	3,781	189	361	17,488	157,575
1983	[7] 163,330	162,506	157,814	911	3,781	189	361	16,866	157,575
1984	[7] 136,323	135,827	131,655	705	3,457	263	233	16,375	156,868
1985	124,463	124,095	120,687	934	2,474	356	12	16,492	148,967
1986	96,717	96,236	92,731	901	2,604	340	141	16,232	147,148
1987	74,350	74,058	71,203	807	2,046	286	6	16,160	146,298

NA Not available. Z Less than 500 acres. [1] For data on Outer Continental Shelf, see section 26. [2] Includes competitive, noncompetitive, preference right, and exchange leases beginning fiscal year 1985. [3] Does not include free-use permits for disposition of mineral materials (sand and gravel, top soil, quarry rock, etc.). [4] 1960-1977 as of Dec. 31. 1978-1982, as of Feb. 28 of following year. Beginning 1983, as of Sept. 30. [5] Lands outside grazing districts, which are owned, leased, or otherwise controlled by the United States and administered by the Bureau of Land Management and which are subject to leasing for grazing purposes. [6] Licenses and permits within grazing districts. [7] Includes miscellaneous nonenergy leases, permits, and licenses on acquired, military, and other Federal lands not separable by type.

Source: U.S. Bureau of Land Management, *Public Land Statistics,* annual.

Figure 11.1

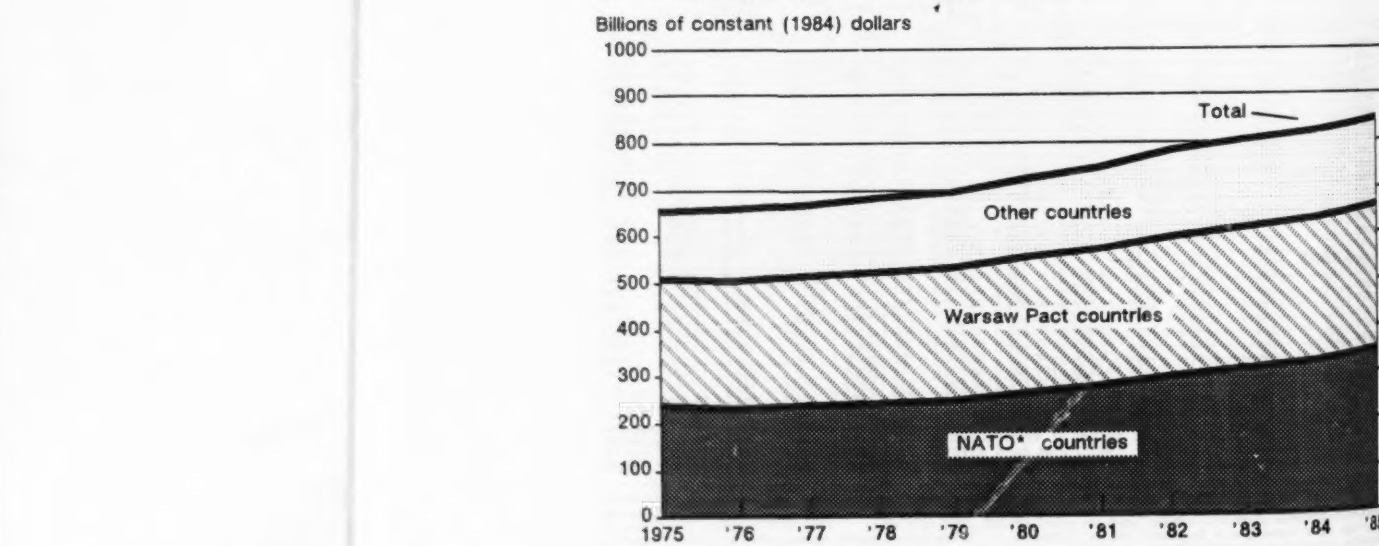
Federal Budget Outlays for National Defense: 1975 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 526.

Figure 11.2

World Military Expenditures: 1975 to 1985



* North Atlantic Treaty Organization.

Source: Chart prepared by U.S. Bureau of the Census. For data see table 533.

Section 11

National Defense and Veterans Affairs

This section presents data on national defense and its human and financial costs; active and reserve military personnel; ships, equipment and aircraft; and federally sponsored programs and benefits for veterans. The principal sources of these data are the annual *Selected Manpower Statistics* and the *Atlas/Data Abstract for the United States and Selected Areas* issued by the Office of the Secretary of Defense; *Annual Report of Administrator of Veterans Affairs*, Veterans Administration, and *The Budget of the United States Government*, Office of Management and Budget. For more data on expenditures, personnel, and ships, see section 31.

Department of Defense (DOD).—The Department of Defense is responsible for providing the military forces of the United States. It includes the Office of the Secretary of Defense, the Organization of the Joint Chiefs of Staff, the Army, Navy, Air Force, and the defense agencies. The President serves as Commander in Chief of the Armed Forces; from him, the authority flows to the Secretary of Defense and through the Joint Chiefs of Staff to the commanders of unified and specified commands (e.g., Strategic Air Command).

Reserve components.—Reserve personnel of the Armed Forces consist of the Army National Guard, Army Reserve, Naval Reserve, Marine Corps Reserve, Air National Guard, Air Force Reserve, and Coast Guard Reserve. They provide trained personnel available for active duty in the Armed Forces in time of war or national emergency and at such other times as authorized by law.

The National Guard has dual Federal-State responsibilities and uses jointly provided equipment, facilities, and budget support. In peacetime, the National Guard is State-administered, and trained under the authority of the State Governors. The President is empowered to mobilize the National Guard and to use such of the Armed Forces as he considers necessary to enforce Federal authority in any State.

The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives explicit approval. The retired reserve represents a low potential for mobilization.

Veterans Administration.—The Veterans Administration (VA) administers laws authorizing benefits for eligible former and present members of the Armed Forces, and for the beneficiaries of deceased members. Veterans benefits available under various acts of Congress include: Compensation for service-connected disability or death; pensions for nonservice-connected disability or death; vocational rehabilitation, education, and training; home loan insurance; life insurance; health care; special housing and automobiles or other conveyances for certain disabled veterans; burial and plot allowances; and educational assistance to families of deceased or totally disabled veterans, servicemen missing in action, or prisoners of war. Since these benefits are legislated by Congress, the dates they were enacted and the dates they apply to veterans may be different from the actual dates the conflicts occurred.

VA estimates of veterans cover all persons with active duty service during periods of war or armed conflict and until 1982 include those living outside the United States. Veteran population estimates for September 1982 are for the 50 States, the District of Columbia and Puerto Rico. Veterans whose active duty service was entirely during periods of peacetime are eligible for some veterans benefits and, where appropriate, are included in VA estimates.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

NO. 526. NATIONAL DEFENSE OUTLAYS AND VETERANS BENEFITS: 1960 TO 1988

[For fiscal year ending in year shown; see text, section 9. Includes outlays of Department of Defense, Veterans Administration, and other agencies for activities primarily related to national defense and veterans programs. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (–) indicates decline. See *Historical Statistics, Colonial Times to 1970,* series Y 472–473 and Y 476, for related data]

YEAR	NATIONAL DEFENSE AND VETERANS OUTLAYS				ANNUAL PERCENT CHANGE [1]				DEFENSE OUTLAYS, PERCENT OF—	
	Total outlays (bil. dol.)	Defense outlays		Veterans outlays (bil. dol.)	Total outlays	Defense outlays		Veterans outlays	Federal outlays	Gross national product [2]
		Current dollars (bil. dol.)	Constant (1982) dollars (bil. dol.)			Current dollars	Constant (1982) dollars			
1960	53.5	48.1	192.1	5.4	2.5	2.4	–1.9	3.1	52.2	9.5
1962	58.0	52.3	202.2	5.6	4.0	4.3	2.6	1.7	49.0	9.4
1963	58.9	53.4	197.1	5.5	1.6	2.0	–2.5	–1.9	48.0	9.1
1964	60.4	54.8	196.8	5.7	2.6	2.5	.9	2.9	46.2	8.7
1965	56.3	50.6	181.4	5.7	–6.8	–7.6	–8.8	.7	42.8	7.5
1966	64.0	58.1	197.9	5.9	13.7	14.8	9.1	3.5	43.2	7.9
1967	78.2	71.4	235.1	6.7	22.1	22.9	18.8	13.8	45.4	9.0
1968	89.0	81.9	254.8	7.0	13.8	14.7	8.4	4.4	46.0	9.6
1969	90.1	82.5	243.4	7.6	1.3	.7	–4.5	8.5	44.9	8.9
1970	90.4	81.7	225.6	8.7	.3	–1.0	–7.3	13.6	41.8	8.3
1971	88.7	78.9	202.7	9.8	–1.9	–3.5	–10.2	12.7	37.5	7.5
1972	89.9	79.2	190.9	10.7	1.4	.4	–5.8	9.8	34.3	6.9
1973	88.7	76.7	175.1	12.0	1.3	–3.1	–8.3	12.0	31.2	6.0
1974	92.7	79.3	163.3	13.4	4.6	3.5	–6.7	11.4	29.5	5.8
1975	103.1	86.5	159.8	16.6	11.2	9.0	–2.1	24.0	26.0	5.7
1976	108.1	89.6	153.6	18.4	4.8	3.6	–3.9	11.0	24.1	5.3
1976, TQ [3]	26.2	22.3	37.1	4.0	(X)	(X)	(X)	(X)	23.2	5.0
1977	115.3	97.2	154.3	18.0	6.7	8.5	.5	–2.1	23.8	5.0
1978	123.5	104.5	155.0	19.0	7.1	7.5	.5	5.2	22.8	4.8
1979	136.3	116.3	159.1	19.9	10.4	11.3	2.6	5.0	23.1	4.8
1980	155.2	134.0	164.0	21.2	13.9	15.2	3.1	6.3	22.7	5.0
1981	180.5	157.5	171.4	23.0	16.3	17.6	4.5	8.5	23.2	5.3
1982	209.3	185.3	185.3	24.0	15.9	17.6	8.1	4.2	24.9	5.9
1983	234.7	209.9	201.3	24.8	12.2	13.3	8.6	3.7	26.0	6.3
1984	253.0	227.4	211.3	25.6	7.8	8.3	5.0	3.1	26.7	6.2
1985	279.0	252.7	229.4	26.3	10.3	11.1	8.6	2.6	26.7	6.4
1986	299.7	273.4	243.0	26.4	7.4	8.2	5.9	.2	27.6	6.5
1987	308.8	282.0	249.8	26.8	3.0	3.2	2.8	1.6	28.1	6.4
1988, est	313.2	285.4	243.5	27.7	1.4	1.2	–2.5	3.6	27.0	6.1

X Not applicable. [1] Change from prior year shown; for 1960, change from 1955. [2] Represents fiscal year GNP; for definition, see text, section 14. [3] Transition quarter, July–Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government,* 1989.

NO. 527. FEDERAL BUDGET OUTLAYS FOR NATIONAL DEFENSE FUNCTIONS: 1970 TO 1988

[In billions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Minus sign (–) indicates decline. See *Historical Statistics, Colonial Times to 1970,* series Y 473, for total]

DEFENSE FUNCTION	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total	**81.7**	**86.5**	**104.5**	**116.3**	**134.0**	**157.5**	**185.3**	**209.9**	**227.4**	**252.7**	**273.4**	**282.0**	**285.4**
Annual percent change [1]	10.1	9.0	7.5	11.3	15.2	17.6	17.6	13.3	8.3	11.1	8.2	3.2	1.2
Defense Dept., military	80.1	84.9	102.3	113.6	130.9	153.8	180.7	204.4	220.9	245.1	265.5	274.0	277.3
Military personnel	29.0	32.2	35.6	37.3	40.9	47.9	55.2	60.9	64.2	67.8	71.5	72.0	75.5
Percent of military	36.2	37.9	34.8	32.9	31.2	31.2	30.5	29.8	29.0	27.7	26.9	26.3	27.2
Operation, maintenance	21.6	26.3	33.6	36.4	44.8	51.9	59.7	64.9	67.4	72.3	75.3	76.2	80.4
Procurement	21.6	16.0	20.0	25.4	29.0	35.2	43.3	53.6	61.9	70.4	76.5	80.7	79.2
Research and development	7.2	8.9	10.5	11.2	13.1	15.3	17.7	20.6	23.1	27.1	32.3	33.6	33.1
Military construction	1.2	1.5	1.9	2.1	2.5	2.5	2.9	3.5	3.7	4.3	5.1	5.9	5.4
Family housing	.6	1.1	1.4	1.5	1.7	1.7	2.0	2.1	2.4	2.6	2.8	2.9	3.0
Other [2]	–1.1	–1.1	–.7	–.3	–1.1	–.6	–.1	–1.2	–1.7	.6	2.0	2.6	.7
Atomic energy activities [3]	1.4	1.5	2.1	2.5	2.9	3.4	4.3	5.2	6.1	7.1	7.4	7.5	7.6
Defense-related activities [4]	.2	.2	.2	.2	.2	.3	.3	.3	.4	.5	.5	.6	.5

[1] Change from immediate prior year; for 1970, change from 1965. [2] Revolving and management funds, trust funds, special foreign currency program, allowances, and offsetting receipts. [3] Defense activities only. [4] Includes civil defense activities.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government,* 1989.

No. 528. NATIONAL DEFENSE—FUNDS AVAILABLE AND OUTLAYS: 1975 TO 1988

[**In billions of dollars, except percent. For fiscal year ending in year shown,** except as noted; see text, section 9. See *Historical Statistics, Colonial Times to 1970,* series Y 458–460 for outlays]

ITEM	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Funds available	**102.7**	**137.3**	**147.9**	**167.1**	**204.7**	**243.5**	**280.1**	**309.2**	**346.9**	**351.2**	**347.9**	**339.5**
Budget authority [1]	87.6	117.2	126.5	143.9	180.0	216.5	245.0	265.2	294.7	289.1	287.4	291.4
Department of Defense-Military [2]	85.8	114.5	123.6	140.6	176.1	211.5	238.9	258.2	286.8	281.4	279.5	283.2
Atomic energy and other defense-related activities [1]	1.8	2.7	2.9	3.2	3.9	5.1	6.2	7.0	7.9	7.7	8.0	8.3
Unobligated balances [1] [3]	15.1	20.1	21.4	23.3	24.7	27.0	35.1	44.0	52.2	62.1	60.4	48.1
Department of Defense-Military	15.1	20.0	21.3	23.0	24.2	26.5	34.6	43.4	51.6	61.5	60.0	47.6
Atomic energy and other defense-related activities [1]	(NA)	.1	.1	.3	.5	.5	.5	.6	.6	.6	.4	.5
Outlays (Defense) [1]	**86.5**	**104.5**	**116.3**	**134.0**	**157.5**	**185.3**	**209.9**	**227.4**	**252.7**	**273.4**	**282.0**	**285.4**
Percent of funds available	84.2	76.1	78.7	80.2	76.9	76.1	74.9	73.6	72.9	77.8	81.1	84.1
Department of Defense-Military	84.9	102.3	113.6	130.9	153.8	180.7	204.4	220.9	245.1	265.5	274.0	277.3
Atomic energy and other defense-related activities [1]	1.7	2.2	2.8	3.1	3.7	4.6	5.5	6.5	7.6	7.9	8.0	8.1

NA Not available [1] Includes defense budget authority, balances, and outlays by other departments. [2] Excluding accruals. [3] Start of year.

Source: U.S. Office of Management and Budget, *Budget of the United States Government,* annual.

No. 529. NATIONAL DEFENSE—MILITARY BUDGET AUTHORITY BY MAJOR MISSION: 1975 TO 1988

[**In billions of dollars. For fiscal year ending in year shown;** see text, section 9. Detail may not add to total because of revisions to total and not to detail]

MISSION	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total	**87.6**	**143.9**	**180.0**	**216.5**	**245.0**	**265.2**	**294.7**	**289.1**	**287.4**	**291.4**
General purpose	28.1	52.2	68.8	88.1	98.8	100.7	118.4	116.2	114.9	110.7
Training, medical	20.0	29.2	35.3	39.6	42.2	43.3	33.6	33.6	35.5	35.9
Research and development	7.7	11.9	14.2	16.9	18.7	21.5	24.4	25.7	27.5	32.5
Intelligence and communications	6.3	9.1	11.2	13.9	17.3	20.0	25.1	26.4	27.7	28.0
Strategic forces	7.2	11.1	12.7	15.3	19.7	26.1	27.4	24.2	21.1	21.0
Central supply and maintenance	9.1	16.0	19.1	21.1	21.6	23.4	26.7	24.4	22.7	24.1
Guard and reserve	4.8	7.9	9.9	10.6	12.1	12.2	15.8	15.6	15.7	16.2
Airlift and sealift	.9	2.1	2.9	4.0	4.3	5.5	8.7	7.6	7.1	5.6
Admin. and assoc. activities	2.0	2.5	3.4	3.6	4.1	4.8	6.1	7.1	6.6	5.8
Support of other nations	1.8	.6	.9	.9	.7	.7	.6	.5	.7	8
PERCENT DISTRIBUTION										
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
General purpose	32.0	36.6	38.6	41.2	41.3	39.0	41.3	41.3	41.1	39.1
Training, medical	22.8	20.5	19.8	18.5	17.6	16.8	11.7	11.9	12.7	12.7
Research and development	8.8	8.3	8.0	7.9	7.8	8.3	8.5	9.1	9.8	11.5
Intelligence and communications	7.2	6.4	6.3	6.5	7.2	7.7	8.8	9.4	9.9	10.0
Strategic forces	8.2	7.8	7.1	7.2	8.2	10.1	9.6	8.6	7.5	7.4
Central supply and maintenance	10.4	11.2	10.7	9.9	9.0	9.1	9.3	8.7	8.1	8.5
Guard and reserve	5.5	5.5	5.5	5.0	5.1	4.7	5.5	5.5	5.6	5.7
Airlift and sealift	1.0	1.5	1.6	1.9	1.8	2.1	3.0	2.7	2.5	2.0
Admin. and assoc. activities	2.3	1.8	1.9	1.7	1.7	1.9	2.1	2.5	2.4	2.0
Support of other nations	2.0	.4	.5	.4	.3	.3	.2	.2	.3	3

Source: U.S. Office of Management and Budget, *Budget of the United States Government,* annual.

No. 530. FEDERAL RESEARCH AND DEVELOPMENT FUNDING FOR NATIONAL DEFENSE: 1980 TO 1988

[**In billions of dollars. For fiscal year ending in year shown;** see text, section 9. Represents budget authority data]

DEFENSE PROGRAMS	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total [1]	**14.9**	**18.4**	**22.1**	**24.9**	**29.3**	**33.7**	**36.9**	**39.2**	**40.3**
Department of Defense (DOD)-Military	13.8	17.1	20.5	23.3	27.3	31.4	34.7	36.8	37.9
Research, development, test and evaluation	13.3	16.5	19.9	22.6	26.6	30.9	33.7	35.9	37.3
Tactical programs	5.2	6.1	6.9	7.3	7.9	9.1	10.3	11.0	12.2
Strategic programs	2.2	3.4	4.6	5.8	7.9	8.2	7.5	7.7	7.4
Intelligence and communications	1.2	1.6	2.2	2.7	3.4	4.0	4.5	4.7	4.9
Advanced technology development	.6	.6	.8	.8	1.4	2.8	4.1	5.0	5.4
Defensewide mission support	1.9	2.1	2.5	2.8	3.0	3.8	4.1	4.2	4.1
Technology base	2.3	2.6	2.9	3.2	3.1	3.1	3.2	3.2	3.3
Other DOD military	.5	.6	.6	.7	.7	.6	1.0	.9	.6
Atomic energy defense activities (DOE) [1] [2]	1.1	1.3	1.5	1.6	1.9	2.3	2.3	2.3	2.4
Weapons research, development, and testing	.6	.8	.9	.9	1.3	1.5	1.5	1.5	1.6
Naval reactors development	2	.3	.3	.3	.4	.4	.5	.5	.5

[1] Includes other programs not shown separately. [2] Department of Energy.

Source: U.S. National Science Foundation, *Federal R&D Funding by Budget Function,* annual.

No. 531. Military Prime Contract Awards to All Businesses, by Program: 1980 to 1987

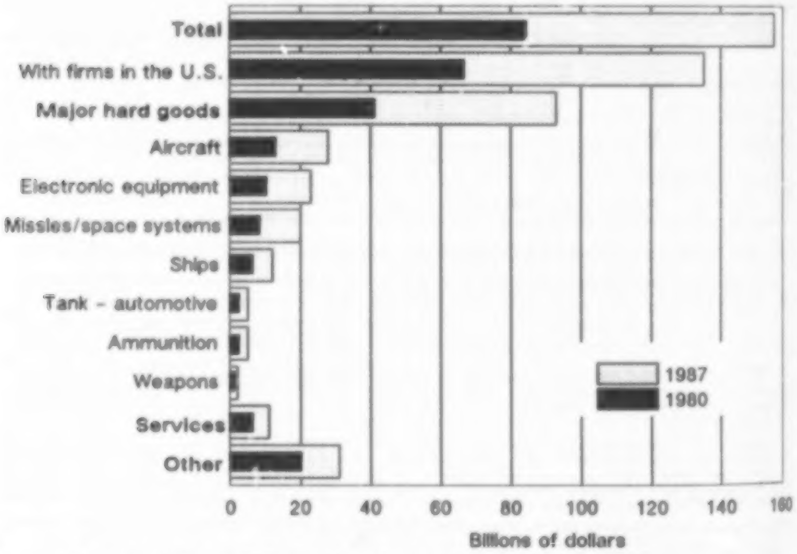
[In billions of dollars. Net values for fiscal year ending in year shown; see text, section 9. Includes all new prime contracts; debit or credit changes in contracts are also included. Actions cover official awards, amendments, or other changes in prime contracts to obtain military supplies, services, or construction. Excludes term contracts and contracts which do not obligate a firm total dollar amount or fixed quantity, but includes job orders, task orders, and delivery orders against such contracts]

DOD PROCUREMENT PROGRAM	1980	1981	1982	1983	1984	1985	1986	1987			
								Total	Percent small business [1]	Percent women owned	Small disadvantaged business
Total	83.7	106.2	124.7	140.5	146.0	163.7	158.8	156.5	(NA)	(NA)	(NA)
Intragovernmental [2]	10.2	9.8	12.8	9.9	10.1	12.4	9.9	8.8	(NA)	(NA)	(NA)
For work outside the U.S.	5.4	6.6	7.5	7.2	8.3	8.6	9.1	8.9	(NA)	(NA)	(NA)
Educational and non-profit institutions	1.5	1.7	2.0	2.2	2.7	3.1	3.4	3.5	(NA)	(NA)	(NA)
With business firms for work in the United States [3]	66.7	87.2	102.5	121.1	124.9	139.6	136.5	135.3	19.7	.8	2.5
Major hard goods	41.0	53.3	67.9	80.8	86.3	98.1	92.8	93.0	7.7	.3	1.0
Aircraft	12.5	16.5	21.1	28.3	29.2	34.6	32.3	27.7	4.7	.2	.8
Electronics and communication equipment	9.8	11.7	14.2	16.7	19.7	22.0	19.7	22.6	9.4	.3	1.8
Missiles and space systems	7.9	10.2	12.7	14.7	16.7	18.7	19.4	19.8	3.9	.2	.7
Ships	6.0	7.4	9.6	12.8	9.4	10.4	9.4	11.5	12.9	.3	1.0
Tank-automotive	2.1	3.8	4.4	4.7	5.0	5.2	5.2	4.9	14.6	.5	.8
Ammunition	1.9	2.1	3.6	3.2	4.0	4.7	4.5	4.6	9.6	.7	.7
Weapons	1.1	1.5	2.3	2.4	2.4	2.6	2.3	2.1	15.7	.6	1.4
Services	5.9	5.8	7.9	10.4	8.5	9.1	10.4	11.0	31.4	2.2	8.1
All other	19.8	28.0	26.7	29.9	30.1	32.3	33.2	31.3	51.2	2.0	4.5

NA Not available. [1] Covers firms not dominant in their fields of operation and employing fewer than 1,000, 750, or 500 persons, depending on industry classifications. For certain types of firms, other criteria are used, such as yearly gross sales. [2] Covers only purchases from other Federal agencies and reimbursable purchases on behalf of foreign governments. [3] Includes Department of Defense contracts awarded for work in U.S. possessions, Commonwealth of Puerto Rico, Trust Territories of the Pacific, and other areas subject to complete sovereignty of U.S.; contracts in a classified location; and any intragovernmental contracts entered into overseas.

Source: U.S. Dept. of Defense, *Prime Contract Awards*, semiannual.

Figure 11.3
Military Contract Awards: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 531.

No. 532. Department of Defense Contract Awards, Payroll, Civilian and Military Personnel—States: 1985 to 1987

[For years ending **Sept. 30. Contracts** refer to awards made in year specified; expenditures relating to awards may extend over several years. **Payroll** estimates cover active duty military and direct hire civilian personnel, including Army Corps of Engineers. **Civilian employees** represent direct hire civilian employees; excluded are those who are not subject to Office of Management and Budget ceiling controls, such as summer aides. **Military personnel** in each department include a number of personnel in a transient status. These personnel are in a travel, proceed, leave enroute, or temporary duty status while on permanent change of station (PCS) orders. The Navy and Air Force report these personnel at their location prior to their arrival at their new permanent duty location. The Army includes these personnel in one category entitled "Undistributed," which also includes personnel for which an exact location is undetermined]

STATE	CONTRACT AWARDS [1] (mil. dol.)			PAYROLL (mil. dol.)			CIVILIAN EMPLOYEES (1,000)			MILITARY PERSONNEL (1,000)		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
U.S., total	**140,096**	**136,026**	**133,262**	**54,833**	**58,496**	**60,331**	**[2] 976.2**	**[2] 963.9**	**979.3**	**[3] 1,386.9**	**[3] 1,427.8**	**1,377.4**
AL	1,418	1,604	1,661	1,220	1,352	1,301	27.3	26.8	27.4	23.1	23.3	23.8
AK	550	586	555	530	541	604	5.0	5.0	5.5	20.4	21.0	22.1
AZ	2,006	2,632	3,211	654	754	793	10.4	10.6	10.7	20.7	25.6	24.9
AR	810	887	738	297	362	322	4.8	4.9	5.0	9.7	9.9	9.8
CA	29,115	27,736	24,515	8,910	9,475	9,566	137.9	135.2	137.7	204.8	209.0	206.5
CO	1,563	1,897	2,716	975	1,001	1,080	14.1	14.1	14.5	36.9	43.0	42.7
CT	5,543	5,441	5,031	392	414	419	5.0	5.0	4.9	6.5	7.2	7.2
DE	261	224	198	124	129	132	1.8	1.8	1.9	4.7	4.8	4.8
DC	1,104	957	1,272	842	923	924	16.9	16.8	17.2	12.7	13.1	13.0
FL	5,271	5,664	5,707	2,637	2,867	3,623	33.0	32.0	33.3	73.1	74.7	75.7
GA	3,520	3,764	3,512	2,015	2,166	2,245	40.4	39.9	40.2	64.4	63.6	62.9
HI	626	583	461	1,750	1,775	1,757	21.3	20.8	20.7	47.0	44.2	45.4
ID	50	63	74	126	142	140	1.3	1.3	1.4	5.6	5.8	5.9
IL	1,693	1,735	1,924	1,317	1,621	1,340	22.7	22.1	22.1	40.9	42.1	37.3
IN	3,177	2,480	2,231	504	544	565	15.4	15.2	15.2	6.6	6.9	6.5
IA	590	580	600	48	64	54	1.5	1.5	1.5	.4	.4	.4
KS	2,139	1,955	1,245	559	637	691	7.0	7.1	7.3	23.6	22.5	23.1
KY	506	557	462	967	1,046	1,083	14.8	14.2	14.3	40.8	38.9	39.2
LA	2,175	1,498	1,685	632	757	730	9.3	9.3	9.1	25.7	25.4	25.2
ME	957	584	830	249	432	433	10.6	10.1	10.6	5.4	5.9	5.8
MD	4,606	4,537	4,752	1,906	2,036	2,103	43.3	42.3	43.5	35.7	36.3	35.7
MA	7,714	8,735	8,685	517	543	541	12.3	12.2	12.1	9.4	9.2	9.4
MI	2,789	2,353	1,866	540	566	550	12.2	12.7	12.9	8.8	8.9	9.3
MN	2,298	2,355	2,426	97	132	102	2.8	2.9	2.9	.9	.9	.9
MS	1,310	1,634	1,474	651	847	690	11.6	11.3	11.5	16.0	18.0	17.5
MO	7,613	5,548	5,997	786	924	862	21.0	21.0	20.9	16.1	15.5	15.7
MT	102	62	93	97	106	105	1.2	1.3	1.3	3.7	3.9	4.0
NE	193	226	257	379	468	411	3.8	4.0	4.0	12.8	13.2	13.5
NV	128	141	232	227	231	244	2.1	2.0	2.2	9.7	10.0	10.0
NH	678	471	469	290	157	133	1.8	1.6	1.5	4.1	4.0	4.1
NJ	3,862	3,226	3,263	1,104	1,072	1,185	29.0	27.6	28.7	19.0	20.5	19.7
NM	492	565	534	566	629	635	9.8	9.9	10.1	16.4	16.8	16.6
NY	10,033	9,908	9,625	850	958	993	18.8	19.7	19.5	22.0	22.7	27.0
NC	1,029	1,049	1,243	2,167	2,179	2,311	16.3	16.1	16.2	96.7	96.1	94.8
ND	207	229	158	238	250	246	1.8	1.8	1.9	11.3	11.1	11.2
OH	4,648	5,201	4,550	1,253	1,301	1,292	34.3	34.4	34.1	13.8	11.7	11.8
OK	602	775	608	1,165	1,308	1,305	26.8	27.3	26.1	31.1	30.7	30.8
OR	256	340	287	112	219	110	3.1	3.1	3.2	.8	.8	.8
PA	4,149	4,192	3,845	1,567	1,703	1,694	55.7	53.4	57.3	6.7	6.6	6.6
RI	431	394	478	247	267	269	4.7	4.5	4.6	4.0	4.1	3.9
SC	490	521	571	1,593	1,678	1,690	20.5	20.2	20.7	44.4	47.0	44.8
SD	78	128	58	126	157	164	1.4	1.4	1.5	5.9	6.1	6.7
TN	793	1,157	986	370	456	389	7.3	7.5	7.7	11.0	10.4	10.5
TX	10,562	10,940	8,654	3,958	4,147	4,381	66.6	63.6	67.0	127.2	136.3	135.1
UT	789	714	1,183	701	736	721	23.6	23.3	22.3	6.2	6.0	6.0
VT	163	124	113	17	20	19	.6	.6	.6	.1	.1	.1
VA	6,167	5,402	7,807	6,405	6,993	7,216	107.2	108.1	108.6	96.6	98.3	100.0
WA	3,559	2,525	3,112	1,696	1,855	1,860	29.5	28.5	29.8	43.7	42.3	43.3
WV	90	105	150	51	97	56	1.6	1.6	1.6	.4	.4	.4
WI	1,065	981	951	98	120	107	3.2	3.3	3.3	.9	.9	.9
WY	125	92	47	92	102	103	1.1	1.1	1.2	3.7	4.1	4.1

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[1] Military awards for supplies, services, and construction. Net value of contracts of over $25,000 for work in each State and DC. Figures reflect impact of prime contracting on State distribution of defense work. Often the State in which a prime contractor is located is not the State in which the subcontracted work is done. See also headnote, table 531. [2] Includes undistributed civilians. [3] Includes undistributed military personnel.

Source: U.S. Dept. of Defense, *Prime Contract Awards by State*, annual, *Distribution of Personnel by State—by Selected Locations*, annual; and *Atlas/Data Abstract for the United States and Selected Areas*, annual.

No. 533. Worldwide Military Expenditures: 1975 to 1985

[For military expenditures and Armed Forces by country, see section 31. GNP=Gross national product]

COUNTRY GROUP	MILITARY EXPENDITURES (bil. dol.)											PER CAPITA (dol.)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1980	1985
CURRENT DOLLARS													
Worldwide, total [1]	**363.4**	**389.2**	**420.8**	**461.5**	**509.6**	**578.3**	**654.6**	**730.9**	**780.6**	**827.5**	**880.2**	130	181
United States	91.0	91.0	100.9	109.2	122.3	144.0	169.9	196.4	217.2	237.1	265.8	632	1,111
Percent of total	25.0	23.4	24.0	23.7	24.0	24.9	26.0	26.9	27.8	28.7	30.2	(x)	(x)
Developed countries [2]	289.2	305.1	332.9	363.2	402.6	458.2	516.0	572.6	615.9	657.9	706.9	422	625
Developing countries [2]	74.2	84.1	87.9	98.3	107.2	120.1	138.6	158.3	164.7	169.6	173.3	38	40
NATO countries [3]	133.1	137.0	151.0	164.4	183.0	212.3	246.1	280.0	306.3	331.0	364.7	387	609
Warsaw Pact countries	150.0	161.1	174.1	189.6	208.7	232.9	256.1	277.8	292.3	308.7	322.5	620	826
Soviet Union	128.0	138.0	149.0	163.0	180.0	201.0	221.0	237.0	250.0	264.0	275.0	756	985
CONSTANT (1984) DOLLARS													
Worldwide, total [1]	**660.2**	**664.9**	**673.9**	**688.4**	**699.0**	**726.8**	**750.5**	**787.4**	**809.7**	**827.5**	**853.0**	163	175
United States	165.2	155.5	161.6	163.0	167.7	181.0	194.8	211.6	225.3	237.1	257.6	795	1,078
Percent of total	25.0	23.4	24.0	23.7	24.0	24.9	26.0	26.9	27.8	28.7	30.2	(x)	(x)
Developed countries [2]	525.4	521.2	533.1	541.8	552.0	575.9	591.6	616.9	638.9	657.9	685.1	531	610
Developing countries [2]	134.8	143.7	140.8	146.6	146.9	150.9	158.9	170.6	170.8	169.6	167.9	45	43
NATO countries [3]	241.8	234.0	241.8	245.3	250.9	266.8	282.2	301.6	317.7	331.0	353.4	461	580
Warsaw Pact countries	272.5	275.2	278.8	282.9	286.1	292.7	293.6	299.3	303.2	308.7	312.5	779	800
Soviet Union	232.5	235.7	238.6	243.2	246.8	252.6	253.4	255.3	259.3	264.0	266.5	948	960
PERCENT OF GNP													
Worldwide, total	**6.2**	**6.0**	**5.8**	**5.7**	**5.6**	**5.7**	**5.8**	**6.1**	**6.2**	**6.0**	**6.1**	(x)	(x)
United States	5.7	5.1	5.1	4.9	4.9	5.3	5.6	6.2	6.4	6.3	6.6	(x)	(x)
Developed countries [2]	6.1	5.8	5.7	5.6	5.5	5.7	5.8	6.0	6.1	6.0	6.1	(x)	(x)
Developing countries [2]	6.9	6.9	6.4	6.4	6.1	5.9	6.1	6.5	6.5	6.2	6.0	(x)	(x)
NATO countries [3]	4.8	4.4	4.4	4.3	4.2	4.5	4.7	5.1	5.2	5.2	5.4	(x)	(x)
Warsaw Pact countries [4]	11.4	11.1	10.9	10.7	10.8	10.9	10.8	10.8	10.7	10.7	10.7	(x)	(x)
Soviet Union [4]	13.7	13.3	13.0	12.8	12.9	13.0	12.9	12.7	12.6	12.6	12.5	(x)	(x)

X Not applicable. [1] Includes countries not shown separately. [2] Twenty-eight developed countries; see table 534 for selected countries; for complete list see source. [3] North Atlantic Treaty Organization. [4] The meaning of the ratio of military expenditures to GNP differs somewhat between most Communist countries and non-Communist countries because of different estimating procedures. For details, see source.

No. 534. Arms Trade in Constant (1984) Dollars—Selected Countries: 1984 to 1986

[In millions of dollars, except percent]

COUNTRY	1984	1985	1986	
			Total	Arms imports as percent of total imports
Arms trade, world total [1]	**50,080**	**42,030**	**34,620**	1.7
EXPORTERS				
Canada	190	184	113	.1
China: Mainland	2,000	556	1,036	.4
Czechoslovakia	900	1,355	1,036	2.1
France	4,100	4,451	3,579	.1
Poland	975	1,064	1,036	3.1
Soviet Union	18,000	14,800	16,950	1.2
United Kingdom	1,500	796	659	.5
United States	10,600	11,900	7,157	.1
West Germany	2,800	606	386	.1
IMPORTERS				
Developed [1]	**9,140**	**10,290**	**6,950**	.4
Australia	675	695	753	3.1
Canada	300	87	113	.1
Czechoslovakia	550	581	433	2.1
East Germany	725	796	494	1.9
Hungary	200	66	94	.6
Italy	210	223	160	.2
Japan	950	908	636	.5
Poland	320	677	612	3.1
Romania	90	29	301	3.0
Soviet Union	1,200	1,064	1,036	1.2
United Kingdom	860	653	541	.5
United States	470	581	424	.1
West Germany	500	1,645	245	.1

COUNTRY	1984	1985	1986	
			Total	Arms imports as percent of total imports
RECIPIENT COUNTRIES				
Developing [1]	**40,940**	**31,740**	**27,660**	6.1
Afghanistan	650	506	565	(NA)
Algeria	775	445	541	6.8
Angola	1,500	750	1,130	66.7
Argentina	450	174	28	.6
Cuba	1,400	2,032	1,413	15.5
Egypt	1,600	1,355	777	9.2
El Salvador	80	87	75	(NA)
Ethiopia	1,200	774	292	29.9
Greece	200	281	104	1.0
India	1,100	2,225	2,637	18.3
Iran	2,400	1,645	1,695	17.4
Iraq	9,500	3,870	4,614	52.7
Israel	775	968	424	4.2
Jordan	230	605	311	13.6
Kuwait	450	290	122	2.2
Libya	2,000	1,548	1,130	26.9
Morocco	210	106	75	2.1
Nicaragua	350	261	541	68.5
North Korea	120	348	386	(NA)
Oman	310	97	0	(NA)
Pakistan	575	484	273	5.4
Peru	130	66	141	5.3
Saudi Arabia	3,100	3,580	2,731	(NA)
South Korea	430	416	471	1.6
Spain	140	145	170	.5
Syria	2,100	1,451	1,036	(NA)
Turkey	490	406	565	5.4
Venezuela	370	474	75	.8
Vietnam	1,300	1,064	1,507	(NA)
Yemen (Sanaa)	80	213	226	(NA)

NA Not available. [1] Includes countries not shown separately.

Source of tables 533 and 534: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

No. 535. ARMS TRANSFERS—CUMULATIVE VALUE FOR PERIOD 1982–1986, BY MAJOR SUPPLIER AND RECIPIENT COUNTRY

[In millions of dollars]

RECIPIENT	Total [1]	SUPPLIER							
		Soviet Union	United States	France	United Kingdom	West Germany	China: Mainland	Poland	Czechoslovakia
World, total [1]	**224,425**	**87,370**	**51,460**	**20,440**	**6,875**	**6,545**	**6,450**	**5,080**	**4,770**
NATO	22,900	90	16,945	280	1,405	1,090	-	-	5
Warsaw Pact	18,155	10,880	-	10	5	20	10	3,470	1,820
OPEC	77,820	23,750	7,620	13,785	2,385	1,225	4,025	685	1,830
Africa [1]	**31,290**	**19,030**	**1,440**	**2,260**	**705**	**325**	**325**	**150**	**1,490**
Algeria	3,730	3,100	220	100	160	80	-	-	10
Angola	5,345	4,900	-	50	-	-	-	10	5
Ethiopia	3,930	3,800	-	-	-	-	-	-	20
Libya	10,160	4,800	-	625	5	70	320	140	1,400
Morocco	1,000	-	280	440	-	-	-	-	-
Mozambique	1,340	1,300	-	-	-	-	-	-	-
Nigeria	1,705	90	140	200	360	80	-	-	10
Sudan	470	-	160	30	10	40	70	-	-
East Asia [1]	**23,730**	**9,670**	**10,410**	**285**	**350**	**325**	**285**	**270**	-
China: Mainland	705	310	80	80	100	5	-	-	-
Taiwan	2,500	-	2,200	10	-	-	-	-	-
North Korea	1,410	850	-	20	-	-	250	140	-
Malaysia	1,300	-	320	30	30	200	-	-	-
South Korea	2,160	-	2,100	10	10	-	-	-	-
Thailand	1,040	-	725	5	10	10	30	-	-
Vietnam	6,935	6,800	-	-	-	-	-	130	-
South Asia [1]	**14,370**	**9,350**	**1,495**	**1,535**	**565**	**135**	**380**	**220**	100
Afghanistan	2,580	2,500	-	-	-	-	-	-	50
India	9,275	6,800	90	1,300	525	130	-	220	30
Pakistan	2,225	-	1,400	230	20	5	240	-	20
Europe, NATO [1]	**18,635**	**90**	**15,170**	**250**	**455**	**1,530**	-	-	**5**
Belgium	1,580	-	1,500	70	-	-	-	-	-
Denmark	535	-	500	20	5	-	-	-	-
France	730	-	560	-	140	-	-	-	-
Greece	1,580	90	775	-	-	220	-	-	5
Italy	880	-	875	5	-	-	-	-	-
Netherlands	2,535	-	2,200	5	20	310	-	-	-
Norway	1,210	-	850	10	20	60	-	-	-
Turkey	2,460	-	1,300	30	220	850	-	-	-
United Kingdom	3,270	-	3,200	60	-	-	-	-	-
West Germany	3,455	-	3,200	30	50	-	-	-	-
Europe, Warsaw Pact [1]	**18,155**	**10,880**	-	**10**	**5**	**20**	10	**3,470**	**1,820**
Bulgaria	2,650	2,400	-	-	-	20	-	210	10
Czechoslovakia	2,240	2,100	-	-	-	-	-	30	-
East Germany	3,430	2,800	-	-	-	-	-	410	50
Hungary	770	420	-	-	-	-	-	120	140
Poland	3,030	2,700	-	-	-	-	-	-	180
Soviet Union	5,500	-	-	-	-	-	-	2,700	1,400
Europe, other [1]	**3,995**	**590**	**2,140**	**345**	**340**	**55**	-	-	**60**
Spain	1,155	-	725	310	10	50	-	-	-
Sweden	435	-	320	5	80	5	-	-	-
Switzerland	1,035	-	875	20	-	-	-	-	-
Yugoslavia	650	440	100	-	-	-	-	-	-
Latin America [1]	**17,180**	**5,120**	**1,695**	**790**	**100**	**2,370**	-	**135**	**405**
Argentina	1,980	-	60	80	-	1,400	-	-	-
Chile	550	-	-	300	60	130	-	-	-
Colombia	900	-	110	-	5	675	-	-	-
Cuba	7,830	6,400	-	-	-	-	-	130	400
Ecuador	630	-	50	70	20	-	-	-	-
Peru	880	310	120	170	-	110	-	-	-
Venezuela	1,275	-	575	30	-	40	-	-	-
Middle East [1]	**89,710**	**29,840**	**14,695**	**14,925**	3,185	1,225	**5,250**	**835**	**990**
Egypt	7,640	80	3,200	1,500	300	5	625	-	-
Iran	8,405	240	10	40	80	-	1,200	20	30
Iraq	31,740	15,300	-	4,500	70	825	3,300	525	410
Israel	3,700	-	3,700	-	-	-	-	-	-
Jordan	3,355	1,100	725	825	575	-	10	-	-
Kuwait	1,120	220	230	420	20	210	-	-	-
Saudi Arabia	16,715	-	6,100	6,800	1,200	90	-	-	-
Syria	10,830	9,600	-	20	10	10	110	220	550
Yemen (Sanaa)	1,485	1,300	50	-	-	5	-	70	-
North America	**3,480**	-	**1,000**	10	**950**	**480**	-	-	-
Canada	1,020	-	1,000	-	-	-	-	-	-
United States	2,470	-	-	10	950	480	-	-	-

- Represents zero. [1] Includes countries not shown separately.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

NO. 536. ARMS DELIVERED BY SELECTED SUPPLIER AND MAJOR WEAPON TYPE: 1982-1986

[The suppliers included are the five largest single exporters of major weapons in terms of magnitude of deliveries as well as othe
countries of the two major alliances; excluded are Albania, Greece, Malta, Spain, Turkey, and Yugoslavia]

TYPE OF WEAPON	Total [1]	SUPPLIER					
		Soviet Union	Other Warsaw Pact	United States [2]	France	United Kingdom	Other NATO
Land armaments: Tanks	12,888	4,345	865	1,633	130	350	188
Anti-air artillery [3]	8,244	2,175	380	64	–	–	50
Field artillery [4]	15,806	4,420	260	2,075	110	100	5,340
Armored personnel carriers	20,136	8,300	785	3,886	1,175	270	1,350
Naval craft: Major surface combatants [5]	125	31	4	9	14	12	43
Other surface combatants [6]	1,302	109	–	41	679	54	57
Submarines	51	9	–	–	–	–	6
Missile attack boats	73	19	–	–	10	2	8
Aircraft: Combat aircraft (supersonic)	2,482	1,440	25	352	225	60	–
Combat aircraft (subsonic)	587	105	–	167	45	70	–
Other aircraft [7]	1,648	380	245	91	85	50	375
Helicopters	1,751	905	120	201	275	20	135
Missiles (surface-to-air)	27,593	15,540	5,000	2,448	495	1,625	66

– Represents zero. [1] Includes other countries not shown separately. [2] United States data are by fiscal years 1982
1986, while other suppliers' data are by calendar years 1982 to 1986. [3] Air defense artillery includes weapons over
millimeters. [4] Field artillery includes mobile rocket launchers mortars, and recoilless rifles over 100 millimeters.
surface combatants include aircraft carriers, cruisers, destroyers, destroyer escorts, and frigates. [6] Minor surface combata
include motor torpedo boats, subchasers, and minesweepers. [7] Other aircraft include reconnaissance aircraft, traine
transports, and utility aircraft.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

NO. 537. ESTIMATES OF TOTAL DOLLAR COSTS OF AMERICAN WARS

[In millions of dollars, except percent. Service-connected veterans' benefits estimated at 40 percent of total veterans' benefit
except as noted]

ITEM	World War II	Vietnam Conflict	Korean Conflict	World War I	Civil War: Union	Civil War: Confederacy	Spanish-American War	American Revolution	War of 1812
Original incremental, direct costs: [1]									
Current dollars	360,000	140,600	50,000	32,700	2,300	1,000	270	100-140	89
Constant (1967) dollars	816,300	148,800	69,300	100,000	8,500	3,700	1,100	400-680	170
Percent 1 year's GNP	188	14	15	43	74	123	2	104	14
Service-connected veterans' benefits [2]	87,829	26,175	17,024	19,273	3,290	–	2,111	28	20
Interest, pmts. on war loans [3]	(4)	(4)	(4)	11,000	1,200	(4)	60	20	14
Current cost to 1986 [5]	447,829	166,775	67,024	62,973	6,790	(4)	2,441	170	120

– Represents zero. [1] Figures are rounded and taken from Claudia D. Goldin, *Encyclopedia of American Economic History*,
936. [2] Total cost to Oct. 1, 1986. For World War I and later wars, benefits are actual service-connected figures from
Annual Report of Veterans Administration. For earlier wars, service-connected veterans' benefits are estimated at 40 percent
total, the approximate ratio of service-connected to total benefits since World War I. [3] Total cost to 1986. Interest payments a
a very rough approximation based on the percentage of the original costs of each war financed by money creation and debt, th
difference between the level of public debt at the beginning of the war and at its end, and the approximate time required to pay o
the war debts. [4] Unknown. [5] Figures are rounded estimates.

Source: Originally presented in U.S. Congress, Joint Economic Committee, *The Military Budget and National Economic Prioritie*
Part 1, 91st Congress, 1st session (statement of James L. Clayton); subsequently revised and updated by James L. Clayto
University of Utah, Salt Lake City, Utah.

NO. 538. U.S. MILITARY SALES AND ASSISTANCE TO FOREIGN GOVERNMENTS: 1950 TO 1987

[In millions of dollars, except as indicated. For fiscal year ending in year shown; see text section 9. Department of Defen
(DOD) sales deliveries cover deliveries against DOD sales orders authorized under Arms Export Control Act, as well as earli
and applicable legislation. For details regarding individual programs, see source]

ITEM	1950-1977 [1]	1978	1979	1980	1981	1982	1983	1984	1985	1986
Military sales agreements	54,493	6,890	11,180	12,645	6,605	17,670	15,023	13,745	11,351	7,030
Weapons and ammunition	24,453	2,891	3,576	6,358	1,912	7,145	7,949	6,311	3,638	2,370
Support equipment [2]	6,703	620	2,183	914	949	3,678	1,130	2,034	1,932	703
Spare parts and modifications	12,332	1,856	2,251	1,589	2,359	3,561	3,224	2,698	2,562	1,752
Support services	11,000	1,523	3,171	3,785	1,385	3,281	2,720	2,702	3,219	2,200
Military construction sales agreements	10,815	647	846	1,586	882	86	723	302	754	70
Military sales deliveries [3]	33,047	7,521	7,910	7,212	9,094	10,506	12,987	9,547	8,477	7,980
Military sales financing	12,080	2,101	5,673	1,950	3,046	3,884	5,107	5,716	4,940	4,947
Military assistance programs [4]	53,223	210	229	268	250	395	413	700	758	782
Military assist. program deliveries [5]	52,672	219	169	435	309	416	173	129	23	27
IMET program/deliveries [5]	18,892	26	27	25	28	44	47	52	56	51
Students trained (1,000) [5]	489	4	4	4	5	6	7	6	7	6

[1] Includes transition quarter, July-September 1976. [2] Includes aircraft, ships, support vehicles, communications equipmen
and other supplies. [3] Includes military construction sales deliveries. [4] Includes Military Assistance Service Funded (MASF
program data, Section 506(a) drawdown authority, and MAP Merger Funds as follows: FY 1982—$134 million; FY 1983—$32
million; FY 1984—$642 million; FY 1985—$758 million; FY 1986—$752 million; FY 1987—$906 million. [5] Includes Militar
Assistance Service Funded (MASF) program data and Section 506(a) drawdown authority.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Militar*
Assistance Facts, annual, and unpublished data.

No. 539. U.S. Military Sales Deliveries to Foreign Governments, by Country: 1950 to 1987

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. Represents Department of Defense military sales deliveries]

COUNTRY	MILITARY SALES DELIVERIES [1]						PERCENT CHANGE			
	1950-1982 [2]	1983	1984	1985	1986	1987	1983-1984	1984-1985	1985-1986	1986-1987
Total [3]	**75,286.9**	**12,987.2**	**9,547.5**	**8,476.9**	**7,979.6**	**12,010.3**	**-26.5**	**-11.2**	**-5.9**	**50.5**
Australia	2,111.4	322.2	398.2	428.3	370.1	619.4	23.6	7.6	-13.6	67.4
Belgium	1,169.8	273.0	195.6	119.4	27.8	27.0	-28.4	-39.0	-76.7	-2.9
Canada	1,588.9	110.6	139.2	73.3	114.4	128.7	25.9	-47.3	56.1	12.5
China: Taiwan	1,964.9	389.2	274.9	339.5	249.0	387.1	-29.4	23.5	-26.7	55.5
Denmark	794.7	158.6	40.3	47.4	25.2	62.8	-74.6	17.6	-46.8	149.2
Egypt	1,621.0	1,010.4	317.1	580.3	619.5	1,141.9	-68.6	83.0	6.8	84.3
El Salvador	22.9	28.1	77.0	114.8	108.3	80.3	174.0	49.1	-5.7	-25.9
France	404.0	14.1	45.3	45.5	142.7	100.5	221.3	.4	213.6	-29.6
Greece	1,590.8	156.7	104.9	119.1	73.7	86.8	-33.1	13.5	-38.1	17.8
Indonesia	220.2	28.9	15.7	17.8	12.8	24.3	-45.7	13.4	-28.1	89.8
Israel	8,020.8	260.7	216.1	483.1	195.8	1,374.3	-17.1	123.6	-59.5	601.9
Italy	802.0	26.3	54.0	54.9	65.7	89.6	105.3	1.7	19.7	36.4
Japan	1,175.8	385.5	333.3	389.7	151.3	306.2	-13.5	16.9	-61.2	102.4
Jordan	964.7	260.9	77.0	122.8	62.8	64.8	-70.5	59.5	-48.9	3.2
Kuwait	668.8	72.2	48.7	34.0	71.9	83.1	-32.5	-30.2	111.5	15.6
Morocco	537.5	50.2	68.6	49.5	37.1	43.3	36.7	-27.8	-25.1	16.7
Netherlands	1,466.1	516.6	402.4	339.4	319.6	459.8	-22.1	-15.7	-5.8	43.9
Norway	1,021.9	254.2	191.4	30.0	43.2	92.3	-24.7	-84.3	44.0	113.7
Pakistan	545.7	255.6	452.9	358.0	148.2	135.2	77.2	-21.0	-58.6	-8.8
Philippines	176.2	10.6	13.8	16.0	37.3	33.8	30.2	15.9	133.1	-9.4
Portugal	29.2	12.5	25.5	97.5	26.5	27.8	104.0	282.4	-72.8	4.9
Saudi Arabia	17,956.6	5,990.5	3,403.3	2,270.7	2,789.6	3,497.0	-43.2	-33.3	22.9	25.4
Singapore	219.3	83.4	32.8	22.4	134.9	163.2	-60.7	-31.7	502.2	21.0
South Korea	2,036.2	297.8	258.0	258.3	387.5	403.9	-13.4	.1	50.0	4.2
Spain	891.0	68.1	66.0	92.8	236.0	753.0	-3.1	40.6	154.3	219.1
Sudan	155.1	12.3	24.6	25.3	27.7	27.1	100.0	2.8	9.5	-2.2
Thailand	861.4	160.1	164.8	118.9	118.5	100.7	2.9	-27.9	-.3	-15.0
Tunisia	96.2	24.7	84.7	154.8	26.0	44.3	242.9	82.8	-83.2	70.4
Turkey	978.3	150.2	306.0	389.7	290.3	296.1	103.7	27.4	-25.5	2.0
United Kingdom	3,119.9	478.3	446.7	386.4	363.8	228.4	-6.6	-13.5	-5.8	-37.2
Venezuela	264.4	32.8	136.5	243.2	80.3	51.1	316.2	78.2	-67.0	-36.4
West Germany	7,144.0	322.6	336.1	222.2	206.3	344.3	4.2	-33.9	-7.2	66.9

[1] Includes military construction sales deliveries. [2] Includes transactions for the transition quarter, July-September 1976. [3] Includes countries not shown.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales,* and *Military Assistance Facts,* annual.

No. 540. Summary of Major Military Forces: 1980 to 1988

[As of September 30]

CATEGORY	1980	1981	1982	1983	1984	1985	1986	1987	1988
Strategic forces:									
Land-based ICBMs	1,054	1,053	1,053	1,042	1,037	1,028	1,013	1,005	1,000
Sea-launched BMs	576	600	592	568	640	648	640	640	674
Strategic bombers	413	410	410	356	328	328	347	389	423
Strategic interceptors	292	279	261	261	266	264	264	252	252
General purpose forces (active):									
Army Divisions	16	16	16	16	16	17	18	18	18
Marine Corps Divisions	3	3	3	3	3	3	3	3	3
Air Force Tactical Aircraft	3,813	3,991	4,133	4,303	4,352	4,406	4,461	4,396	4,470
Navy/Marine Corps Tactical Aircraft	2,013	2,029	1,968	1,929	1,905	1,970	1,974	1,982	1,962
Naval forces:									
Aircraft carriers	13	12	13	13	13	13	13	14	14
Battleships	-	-	-	1	2	2	3	3	3
Nuclear attack submarines	74	82	91	93	94	96	97	98	96
Other warships	180	188	197	191	197	204	204	206	195
Amphibious assaults [1]	63	59	59	61	59	60	60	61	62
Airlift and sealift forces:									
C-5 aircraft (PAA)	70	70	70	70	70	70	75	84	102
Other Air Force aircraft (PAA)	820	808	795	782	769	787	789	789	781
Navy and Marine Corps Tactical Support Aircraft (PAA)	88	88	88	88	88	88	88	87	87
Ships (NDRF)	164	173	183	192	202	214	220	221	209

- Represents zero. [1] Excludes reserve forces' amphibious ships.

Source: The Congress of the United States, Congressional Budget Office, *An Analysis of the President's Budgetary Proposals for Fiscal Year 1989.* Data from Dept. of Defense.

No. 541. Active Duty Military Personnel—U.S./Soviet Union Summary: 1980 to 1987

[In thousands, except percents]

ITEM	1980	1981	1982	1983	1984	1985	1986	1987
Strategic nuclear services:								
United States [1]	140	137	140	139	139	134	130	98
Soviet Union [2]	901	912	775	773	773	773	805	805
Tactical/mobility services:								
United States	1,910	1,944	1,969	2,030	2,046	2,061	2,072	2,067
Army	776	781	780	779	781	778	775	775
Navy	506	521	534	538	545	554	561	566
Air Force	440	452	463	518	523	531	537	526
Marine Corps	188	190	192	195	197	198	199	200
Soviet Union	3,289	3,736	3,703	3,805	3,905	3,953	3,963	3,676
Ground Forces [3]	2,450	2,882	2,840	2,930	3,020	3,020	3,030	2,800
Navy	407	416	418	429	436	463	463	440
Air Force [4]	420	425	431	431	433	454	454	420
Naval Infantry	12	13	14	15	16	16	16	16

– Represents zero. [1] 1986 and 1987 reflect changes in counting rules, not actual reductions. [2] Sudden decrease 1982 resulted from the Soviet reorganization of its former long-range aviation and air defense forces. [3] Increases in 1 resulted from reevaluation and Soviet operations in Afghanistan. Decrease in 1987 was a result of reassessment. [4] Reduct in 1987 was due to reassessment.

No. 542. Intercontinental Ballistic Missiles (ICBMs), Submarines, and Bombers—U.S. and Soviet Union Balance: 1980 to 1987

WEAPONS SYSTEM	1980	1981	1982	1983	1984	1985	1986	1987
ICBMs:								
United States [1]	1,052	1,052	1,049	1,040	1,030	1,017	999	996
Minuteman II	450	450	450	450	450	450	450	450
Minuteman III	550	550	550	550	550	550	534	514
Peacekeeper (MX)	–	–	–	–	–	–	10	32
Soviet Union	1,398	1,398	1,398	1,398	1,398	1,398	1,418	1,389
SS–11	640	580	550	520	520	448	440	420
SS–13	60	60	60	60	60	60	60	60
SS–17	150	150	150	150	150	150	150	145
SS–18	308	308	308	308	308	308	308	308
SS–19	240	300	330	360	360	360	360	350
Warheads:								
United States	2,152	2,152	2,149	2,140	2,130	2,117	2,157	2,312
Soviet Union	5,002	5,302	5,862	6,420	6,420	6,420	6,440	6,400
Submarine systems:								
SLBMs: [2]								
United States [1]	576	512	520	568	592	600	640	640
Trident I	80	112	200	264	288	312	384	384
Poseidon	416	384	320	304	304	288	256	256
Soviet Union [1]	985	985	969	961	946	931	967	969
SS–N–6	464	416	384	368	336	304	272	256
SS–N–8	292	292	292	292	292	292	292	286
SS–N–17	12	12	12	12	12	12	12	12
SS–N–18	160	208	224	224	224	224	224	224
Warheads:								
United States	4,880	4,752	4,800	5,152	5,344	5,376	5,632	5,632
Soviet Union	1,625	1,817	1,865	1,957	2,122	2,307	2,695	2,941
Bombers:								
United States [1]	376	376	355	297	297	297	312	363
B–1B	–	–	–	–	–	–	26	81
B–52G	151	151	151	151	151	151	150	150
B–52H	90	90	90	90	90	90	84	84
FB–111	60	60	56	56	56	56	52	48
Soviet Union [1]	220	235	245	260	300	325	325	326
Tu–95 BEAR	100	100	100	100	100	100	100	100
Tu–95 BEAR–H	–	–	–	–	25	50	50	60
Tu–22M Backfire	75	90	100	115	130	145	160	165

– Represents zero. X Not applicable. [1] Includes weapons not shown separately. [2] Submarine-launched balli missile.

Source of tables 541 and 542: The Congress of the United States, Congressional Research Service, *U.S./Soviet Mili Balance, Statistical Trends, 1980–1987*, April 15, 1988.

No. 543. Department of Defense Manpower: 1950 to 1988

[In thousands, except as indicated. For fiscal year ending in year shown]

YEAR	Total defense manpower	Defense related employment in industry	Total DOD manpower [1]	ACTIVE DUTY MILITARY						MILITARY RETIREES	
				Personnel					Payroll total [4] (bil. dol.)	Number (1,000)	Pension payments (bil. dol.)
				Total military [2]	Army	Navy [3]	Marine Corps	Air Force			
1950	2,902	713	2,189	1,459	593	381	74	411	(NA)	133	(NA)
1955	6,953	2,500	4,453	2,935	1,109	661	205	960	(NA)	161	(NA)
1960	6,165	2,460	3,705	2,475	873	617	171	815	(NA)	255	(NA)
1961	6,301	2,600	3,701	2,483	859	626	177	821	(NA)	291	(NA)
1962	6,773	2,725	4,048	2,806	1,066	664	191	884	(NA)	327	(NA)
1963	6,468	2,550	3,918	2,699	976	664	190	869	(NA)	(NA)	(NA)
1964	6,142	2,280	3,862	2,686	973	666	190	857	(NA)	432	(NA)
1965	5,937	2,125	3,812	2,654	969	670	190	825	(NA)	481	(NA)
1966	6,988	2,640	4,348	3,092	1,200	743	262	887	(NA)	525	(NA)
1967	7,876	3,100	4,776	3,375	1,442	750	285	897	(NA)	584	(NA)
1968	8,128	3,174	4,954	3,546	1,570	764	307	905	(NA)	644	2.0
1969	7,767	2,916	4,851	3,458	1,512	774	310	862	(NA)	707	2.2
1970	6,829	2,399	4,430	3,065	1,322	691	260	791	19.4	765	2.5
1971	5,934	2,031	3,903	2,713	1,124	622	212	755	19.2	823	3.1
1972	5,467	1,985	3,482	2,322	811	587	198	726	19.8	881	3.6
1973	5,202	1,850	3,352	2,252	801	564	196	691	20.3	935	4.1
1974	5,132	1,860	3,272	2,162	783	546	189	644	19.9	990	4.9
1975	5,006	1,800	3,206	2,128	784	535	196	613	20.2	1,044	6.1
1976	4,819	1,690	3,129	2,082	779	525	192	585	20.4	1,096	7.3
1977	4,829	1,730	3,099	2,075	782	530	192	571	21.0	1,155	8.2
1978	4,848	1,765	3,083	2,062	772	530	191	570	21.0	1,192	9.0
1979	4,883	1,860	3,023	2,027	759	523	185	559	22.7	1,220	10.3
1980	5,054	1,990	3,064	2,051	777	527	188	558	24.2	1,265	11.9
1981	5,205	2,085	3,120	2,083	781	540	191	570	28.1	1,289	13.7
1982	5,466	2,310	3,156	2,109	780	553	192	583	32.9	1,313	14.9
1983	5,757	2,530	3,227	2,123	780	558	194	592	27.7	1,333	15.9
1984	6,054	2,785	3,269	2,138	780	565	196	597	28.9	1,355	16.4
1985	6,383	3,050	3,333	2,151	781	571	198	602	29.8	1,374	17.0
1986	6,620	3,275	3,345	2,169	781	581	199	606	31.3	1,380	17.8
1987	6,692	3,325	3,367	2,174	781	587	200	607	34.0	1,406	18.9
1988	6,720	3,350	3,370	2,247	781	593	200	599	(NA)	(NA)	(NA)

NA Not available. [1] Includes civil service employees. [2] Beginning 1980, excludes Navy Reserve personnel in active duty for Training and Administration of Reserves (TARS). From 1969, includes the Full-Time Guard and Reserve. [3] Prior to 1980, includes Navy Reserve personnel on active duty for Training and Administration Reserve (TARS). [4] Beginning 1983, data not strictly comparable with earlier years.

Source: U.S. Department of Defense, *National Defense Budget Estimates for FY 1988/1989, April 1988; Atlas Data Abstract for the United States and selected areas;* and *DOD Statistical Report on The Military Retirement System,* annual, and *Selected Manpower Statistics,* annual.

No. 544. Military Personnel on Active Duty, by Service: 1975 to 1987

[In thousands. As of **end of fiscal year;** see text, section 9. Includes National Guard, Reserve, and retired regular personnel on extended or continuous active duty. Excludes Coast Guard. Military cadets, Naval Academy midshipmen, Air Force Academy cadets, and other officer candidates are included under enlisted personnel. See also *Historical Statistics, Colonial Times to 1970,* series Y 904-916]

BRANCH OF SERVICE	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**2,128**	**2,082**	**2,075**	**2,062**	**2,027**	**2,051**	**2,083**	**2,109**	**2,123**	**2,138**	**2,151**	**2,169**	**2,174**
Percent officers	13.7	13.5	13.3	13.3	13.5	13.5	13.7	13.8	14.1	14.2	14.4	14.3	14.1
Army	784	779	782	772	759	777	781	780	780	780	781	781	781
Officers	103	99	98	98	97	98	102	103	106	108	110	110	108
Enlisted	678	678	680	670	657	674	675	673	669	668	667	667	668
Navy	535	525	530	530	523	527	540	553	558	565	571	581	587
Officers	66	64	63	63	62	63	65	67	68	69	71	72	72
Enlisted	466	458	462	463	457	460	470	481	485	491	495	504	510
Marine Corps	196	192	192	191	185	188	191	192	194	196	198	199	200
Officers	19	19	19	18	18	18	18	19	20	20	20	20	20
Enlisted	177	174	173	172	167	170	172	173	174	176	178	179	179
Air Force	613	585	571	570	559	558	570	583	592	597	602	606	607
Officers	105	100	96	95	96	98	99	102	105	106	108	109	107
Enlisted	503	481	470	470	459	456	467	476	483	486	489	495	495

Source: U.S. Dept. of Defense, *Selected Manpower Statistics,* annual.

NO. 545. MILITARY PERSONNEL ON ACTIVE DUTY, BY LOCATION: 1970 TO 1987

[In thousands. 1970 and 1975 as of Dec. 31; thereafter, as of end of fiscal year; see text, section 9]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total	**2,874**	**2,084**	**2,051**	**2,083**	**2,109**	**2,123**	**2,138**	**2,151**	**2,169**	**2,174**
Shore-based [1]	2,627	1,884	1,840	1,869	1,880	1,889	1,908	1,920	1,929	1,926
Naval afloat [2]	247	200	211	214	229	234	230	231	240	248
United States [3]	1,987	1,630	1,562	1,581	1,580	1,604	1,628	1,636	1,644	1,650
Foreign countries	887	455	488	502	528	519	510	516	526	524

[1] Includes Navy personnel temporarily on shore. [2] Includes Marine Corps. [3] Includes outlying areas.

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and unpublished data.

NO. 546. COAST GUARD PERSONNEL ON ACTIVE DUTY: 1970 TO 1987

[As of end of fiscal year; see text, section 9]

YEAR	Total	Officers	Cadets	Enlisted	YEAR	Total	Officers	Cadets	Enlisted
1970	37,689	5,512	653	31,524	1983	39,708	6,535	811	32,362
1975	36,788	5,630	1,177	29,981	1984	38,705	6,790	759	31,156
1979	38,559	6,340	806	31,413	1985	38,595	6,775	733	31,087
1980	39,381	6,463	877	32,041	1986	37,284	6,577	754	29,953
1981	39,760	6,519	981	32,260	1987	38,576	6,644	859	31,073
1982	38,248	6,431	902	30,915					

Source: U.S. Dept. of Transportation, *Annual Report of the Secretary of Transportation*.

NO. 547. VIETNAM CONFLICT—U.S. MILITARY FORCES IN VIETNAM, AND CASUALTIES: 1957 TO 1986

[Military forces as of Dec. 31. All U.S. forces withdrawn by Jan. 27, 1973]

ITEM	Unit	1957-1986, total	1957-1964	1965	1966	1967	1968	1969	1970	1971	1972	1973-1986
Military forces	1,000	(X)	[1] 23.3	184.3	385.3	485.6	536.1	475.2	234.6	156.8	24.2	-
Battle deaths [2]	Number	47,378	279	1,432	5,047	9,463	14,623	9,426	4,230	1,376	361	1,141
Killed	Number	38,530	197	1,124	4,142	7,525	12,624	8,117	[illegible]	1,082	205	28
Died of wounds	Number	5,196	10	111	579	979	1,598	1,168	[illegible]	160	28	8
Died while missing [3]	Number	3,652	72	197	326	959	401	141	189	134	128	1,105

- Represents zero. X Not applicable. [1] For 1964 only. [2] Casualties from enemy action. Deaths exclude 10,752 servicemen who died in accidents or from disease. [3] Includes servicemen who died while captured.

Source: National Archives and Records Administration, "Combat Area Casualty File," (3-330-80-3)

NO. 548. ARMED FORCES PERSONNEL—SUMMARY OF MAJOR CONFLICTS

[For Revolutionary War, number of personnel serving not known, but estimates range from 184,000 to 250,000; for War of 1812, 286,730 served; for Mexican War, 78,718 served. Dates of the major conflicts may differ from those specified in various laws providing benefits for veterans. See table 547 for data on Vietnam conflict. See also *Historical Statistics, Colonial Times to 1970*, series Y 856-903]

ITEM	Unit	Civil War [1]	Spanish-American War	World War I	World War II	Korean conflict	Vietnam conflict
Personnel serving	1,000	2,213	307	4,735	[2] 16,113	[3] 5,720	[4] 8,744
Average duration of service	Months	20	8	12	33	19	23
Service abroad: Personnel serving	Percent	(NA)	[5] 29	53	73	[6] 56	(NA)
Average duration [7]	Months	(NA)	1.5	5.5	16.2	13.4	(NA)
Casualties: [8] Battle deaths	1,000	140	(Z)	53	292	34	[9] 47
Wounds not mortal	1,000	282	2	204	671	103	[9] 153
Draftees: Classified	1,000	777	(X)	24,234	36,677	9,123	[4] 75,717
Examined	1,000	522	(X)	3,764	17,955	3,685	[4] 8,611
Rejected	1,000	160	(X)	803	6,420	1,189	[4] 3,880
Inducted	1,000	46	(X)	2,820	10,022	1,560	[4] 1,759

NA Not available. X Not applicable. Z Fewer than 500. [1] Union forces only. Estimates of the number serving in Confederate forces range from 600,000 to 1.5 million. [2] Covers Dec. 1, 1941, to Dec. 31, 1946. [3] Covers June 25, 1950, to July 27, 1953. [4] Covers Aug. 4, 1964, to Jan. 27, 1973. [5] Army and Marines only. [6] Excludes Navy. Covers July 1950 through Jan. 1955. Far East area only. [7] During hostilities only. [8] For periods covered, see footnotes 2, 3, and 4. [9] Covers Jan. 1, 1961, to Jan. 27, 1973.

Source: The President's Commission on Veterans' Pensions, *Veterans' Benefits in the United States*, vol. I, 1956; and U.S. Dept. of Defense, unpublished data.

No. 549. ENLISTED MILITARY PERSONNEL ACCESSIONS: 1980 TO 1987

[In thousands. For years ending Sept. 30]

BRANCH OF SERVICE	1980	1985	1986	1987
Total	**582**	**529**	**551**	**534**
First enlistments	356	287	299	280
Reenlistments	204	216	226	225
Reserves to active duty	22	26	26	29
Army	**265**	**200**	**216**	**211**
First enlistments	163	117	127	122
Reenlistments	97	84	89	89
Navy	**127**	**117**	**123**	**117**
First enlistments	75	67	70	66
Reenlistments	36	50	53	51
Marine Corps	**58**	**54**	**55**	**53**
First enlistments	42	36	35	35
Reenlistments	15	19	20	18
Air Force	**132**	**132**	**131**	**124**
First enlistments	76	68	67	56
Reenlistments	56	64	64	68

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and *Military Manpower Statistics*, quarterly.

No. 550. RESERVE OFFICERS TRAINING CORPS (ROTC)—ENROLLMENT: 1970 TO 1987

[In thousands. For **May, or end of school year.** Jr. ROTC refers to enrollment in high schools, academies, junior colleges, and National Defense Cadet Corps schools; includes Jr. ROTC in all service branches]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Senior ROTC	123	56	61	66	76	80	84	91	100	109	99	111	99	93	98
Junior ROTC	126	155	164	158	152	156	144	166	158	191	176	212	216	218	212

Source: U.S. Dept. of Defense, unpublished data.

No. 551. MILITARY PERSONNEL ON ACTIVE DUTY AND MONTHLY BASIC PAY: 1984 TO 1988

[Personnel as of Sept. 30; basic pay as of January, except as noted]

RANK/GRADE	PERSONNEL (1,000)				MONTHLY BASIC PAY (dollars)				
	1984	1985	1986	1987	1984	1985	1986 [1]	1987	1988
Total [2]	**2,138.2**	**2,151.0**	**2,169.1**	**2,174.2**	(X)	(X)	(X)	(X)	(X)
Recruit—E-1	129.8	127.6	132.6	110.5	596	620	639	658	671
Private—E-2	137.2	140.6	148.7	160.3	669	695	716	738	753
Pvt. 1st class—E-3	370.1	336.3	328.6	337.2	695	723	745	767	782
Corporal—E-4	422.7	444.4	443.9	447.2	779	810	835	860	876
Sergeant—E-5	350.8	356.2	361.1	363.0	942	980	1,009	1,040	1,060
Staff Sgt.—E-6	231.5	237.8	241.6	245.5	1,250	1,300	1,339	1,379	1,407
Sgt. 1st class—E-7	127.0	131.9	133.4	134.9	1,523	1,584	1,631	1,680	1,714
Master Sgt.—E-8	37.8	38.5	39.0	39.4	1,748	1,818	1,873	1,929	1,968
Sgt. Major—E-9	14.3	15.1	15.5	15.4	2,100	2,184	2,249	2,317	2,363
Warrant Officer—W-1	2.7	2.4	2.2	2.1	1,438	1,495	1,540	1,586	1,618
Chief Warrant—W-4	2.8	3.2	3.3	3.4	2,627	2,732	2,814	2,898	2,956
2d Lt.—O-1	39.5	39.7	39.2	34.5	1,143	1,189	1,224	1,261	1,286
1st Lt.—O-2	41.6	42.7	44.4	45.1	1,438	1,495	1,540	1,586	1,618
Captain—O-3	101.7	104.4	104.7	105.9	2,092	2,176	2,241	2,308	2,354
Major—O-4	52.3	53.3	54.4	53.7	2,648	2,754	2,836	2,921	2,956
Lt. Colonel—O-5	32.6	32.8	32.7	33.0	3,282	3,413	3,516	3,621	3,694
Colonel—O-6	14.6	14.7	14.6	14.6	4,163	4,330	4,460	4,593	4,685
Brig. General—O-7	.5	.5	.5	.5	4,738	4,928	5,075	5,228	5,333
Major General—O-8	.4	.4	.4	.4	5,450	5,667	[3] 5,725	[3] 5,900	[3] 6,042
Lt. General—O-9	.1	.1	.1	.1	[3] 5,500	[3] 5,725	[3] 5,725	[3] 5,900	[3] 6,042
General—O-10	(Z)	(Z)	(Z)	(Z)	[3] 5,500	[3] 5,725	[3] 5,725	[3] 5,900	[3] 6,042

X Not applicable. Z Less than 50. [1] As of October 1985. [2] Includes cadets and midshipmen and warrant officers, W-2 and W-3. [3] Statutory limitation.

Source: U.S. Dept. of Defense, Office of the Comptroller, *Selected Manpower Statistics*, annual, and unpublished data.

No. 552. Discharges, Desertion and Absent-Without-Authority Rates for Military Personnel: 1970 to 1987

[For fiscal year ending in year shown; see text, section 9. Rate per 1,000 average end-of-month strength]

YEAR	Total discharges	Honorable[1] [2]	General[1] [3]	Other than honorable[1] [4]	Bad conduct[5] [6]	Dishonorable[5] [7]	Desertion rate[8]	Absent-without-authority rate[9]
1970	1,136,140	1,081,556	29,334	20,911	3,964	375	33.6	88.3
1975	682,952	603,058	48,989	27,015	3,587	293	26.3	86.8
1980	541,558	499,950	23,541	15,553	2,242	272	17.9	46.8
1982	523,014	466,666	33,294	18,071	4,653	330	10.9	34.3
1983	[10] 531,396	447,511	35,582	23,176	5,757	138	8.7	22.4
1984	[10] 517,897	423,660	32,194	24,693	5,617	266	6.5	20.6
1985	[10] 505,640	426,244	27,639	20,627	4,939	287	6.3	17.1
1986	[10] 512,462	426,931	26,561	21,790	3,198	646	6.2	16.8
1987	[10] 508,135	430,530	22,806	20,063	3,386	675	6.1	18.2

[1] Administrative discharge. [2] Based on proper military behavior and proficient performance of duty; honest and faithful service. [3] Discharge under honorable conditions; satisfactory service; military record not sufficiently meritorious for honorable discharge. [4] Unsatisfactory service (misconduct, security or resignation/request for discharge). [5] Punitive, resulting from trial by court-martial. [6] Usually punishment for repeated convictions of minor offenses or less serious felony type offense. [7] Awarded after conviction of serious offenses usually recognized by civil law as felonies, or of military offenses requiring severe punishment. [8] Absent without authority more than 30 days. [9] For 30 days or less. [10] Includes uncharacterized discharges, not shown separately.

Source: U.S. Dept. of Defense, unpublished data.

No. 553. Military Reserve Personnel: 1970 to 1987

[**In thousands.** As of **end of fiscal year**; see text, section 9. Excludes U.S. Coast Guard Reserve. The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives its explicit approval. The retired reserve represents a low potential for mobilization]

RESERVE STATUS AND BRANCH OF SERVICE	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total reserves	**3,639**	**2,656**	**2,118**	**2,109**	**2,169**	**2,267**	**2,250**	**2,295**	**2,310**	**2,370**	**2,434**	**2,456**
Ready reserve	2,574	1,529	1,144	1,203	1,263	1,317	1,359	1,419	1,491	1,566	1,613	1,620
Standby reserve	492	412	183	103	86	65	52	44	44	44	41	38
Retired reserve	573	715	791	803	821	885	839	832	775	760	780	798
Army	2,221	1,631	1,178	1,173	1,218	1,337	1,360	1,408	1,428	1,481	1,508	1,509
Navy	808	521	435	427	438	436	415	423	425	431	464	471
Air Force	610	504	506	509	514	494	476	463	457	459	462	475

Source: U.S. Dept. of Defense, *Official Guard and Reserve Manpower Strengths and Statistics*, quarterly.

No. 554. Military Reserve Costs: 1970 to 1987

[**In millions of dollars.** As of **end of fiscal year**; see text, section 9. Army and Air Force data include National Guard]

TYPE OF COST	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**2,547**	**4,789**	**7,049**	**7,877**	**9,870**	**10,370**	**12,073**	**15,644**	**19,439**	**19,631**	**18,981**
Operations and maintenance	994	2,092	2,951	3,526	4,164	4,716	5,137	5,126	5,734	5,770	6,168
Personnel	1,083	1,679	2,031	2,359	3,012	3,776	4,633	3,757	7,704	8,500	8,382
Procurement	187	518	1,506	1,463	1,955	1,008	1,627	5,923	5,003	4,383	3,322
Active-duty support	234	324	389	408	506	556	386	433	591	607	909
Construction	49	176	172	122	233	314	291	305	408	371	480

Source: U.S. Dept. of Defense, unpublished data.

No. 555. National Guard—Summary: 1970 to 1987

[As of **end of fiscal year**; see text, section 9. Includes Puerto Rico]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Army National Guard: Units	**Number**	**3,052**	**3,245**	**3,379**	**3,359**	**3,482**	**3,429**	**4,351**	**4,353**	**5,712**	**6,133**
Personnel[1]	1,000	410	403	368	391	409	418	434	436	446	452
Funds obligated[2]	Mil. dol	752	1,322	1,602	2,169	2,706	2,960	3,093	4,387	4,625	4,965
Value of equipment	Mil. dol	1,600	4,100	7,600	8,100	8,600	13,100	14,300	18,800	19,700	22,300
Air National Guard: Units	**Number**	**958**	**1,106**	**1,054**	**1,054**	**1,080**	**1,186**	**1,202**	**1,184**	**1,365**	**1,405**
Personnel[1]	1,000	90	96	97	98	101	102	105	109	113	116
Funds obligated[2]	Mil. dol	467	690	1,678	1,957	2,266	2,478	2,488	2,813	2,809	2,865
Value of equipment (est.)[3]	Mil. dol	(NA)	3,100	5,200	6,000	5,900	6,300	17,500	21,400	26,100	23,600

NA Not available. [1] Officers and enlisted men. [2] Federal funds; includes personnel, operations, maintenance, and military construction. [3] Beginning 1984, increase due to repricing of aircraft to current year dollars to reflect true replacement value.

Source: National Guard Bureau, *Annual Review of the Chief, National Guard Bureau*, and unpublished data.

No. 556. Living Veterans—States and Other Areas: 1970 to 1987

[Estimates in thousands. As of end of fiscal year; see text, section 9. Data were estimated starting with veteran's place of residence as of April 1, 1980, based on 1980 Census of Population data, extended to later years on the basis of estimates of veteran interstate migration, separations from the Armed Forces, and mortality; not directly comparable with earlier estimates previously published by the VA. Excludes 423,000 veterans whose only active-duty military service occurred since September 8, 1980, and who failed to satisfy the minimum service requirement. Also excludes a small indeterminate number of National Guard personnel or reservists who incurred service-connected disabilities while on an initial tour of active duty for training only]

YEAR AND STATE OR OTHER AREA	Total veterans [1]	WAR VETERANS							Service between Korea and Vietnam only	Post-Vietnam era [5]
		Total [2]	World War I	World War II [3]	Korean conflict		Vietnam era			
					Total [3] [4]	No service in World War II	Total [4]	No service in Korean conflict		
1970	26,976	23,180	1,425	13,887	5,440	4,167	4,100	3,618	3,173	(X)
1980	28,640	23,985	481	11,720	5,434	4,331	8,118	7,453	3,066	1,120
1981	28,563	23,716	404	11,491	5,393	4,308	8,175	7,513	3,076	1,320
1982	28,390	23,421	348	11,241	5,348	4,280	8,210	7,551	3,064	1,479
1983	28,202	23,109	297	10,978	5,294	4,249	8,236	7,584	3,051	1,623
1984	28,027	22,782	250	10,700	5,237	4,215	8,263	7,616	3,037	1,803
1985	27,732	22,274	206	10,346	5,135	4,143	8,215	7,578	3,009	2,056
1986	[6] 27,682	[6] 22,017	171	10,076	5,105	4,134	8,264	7,636	3,004	2,283
1987, total	**27,469**	**21,846**	**140**	**9,765**	**5,034**	**4,089**	**8,270**	**7,852**	**2,997**	**2,473**
United States	**27,344**	**21,561**	**140**	**9,736**	**5,000**	**4,066**	**8,236**	**7,619**	**2,975**	**2,456**
Alabama	406	319	2	142	84	67	122	108	43	36
Alaska	71	56	(Z)	14	11	9	34	32	9	6
Arizona	407	324	2	154	75	55	129	113	39	39
Arkansas	267	208	2	98	47	36	80	71	28	27
California	2,844	2,281	14	1,017	574	428	905	820	309	211
Colorado	398	313	2	115	75	58	154	139	44	37
Connecticut	393	314	2	150	74	62	104	99	46	28
Delaware	78	61	(Z)	28	14	11	23	21	8	8
District of Columbia	58	46	(Z)	22	12	9	15	14	5	8
Florida	1,477	1,201	11	654	282	195	404	341	125	124
Georgia	651	500	2	198	121	94	231	206	69	72
Hawaii	101	80	2	32	21	16	37	32	11	9
Idaho	117	91	1	38	20	16	39	36	13	11
Illinois	1,254	986	6	451	218	193	345	336	147	105
Indiana	647	490	3	206	111	98	189	183	75	74
Iowa	336	265	3	110	58	53	102	100	35	32
Kansas	286	230	2	103	52	43	89	82	31	22
Kentucky	368	291	2	129	67	57	110	103	40	31
Louisiana	432	337	2	148	76	61	137	126	46	42
Maine	154	121	1	54	28	23	47	44	16	15
Maryland	530	415	2	183	105	81	164	149	60	49
Massachusetts	685	547	4	275	125	104	172	163	76	56
Michigan	1,023	782	5	326	168	152	305	299	117	113
Minnesota	495	386	3	155	96	76	156	152	60	44
Mississippi	234	183	1	88	46	36	66	58	24	22
Missouri	633	498	4	221	117	98	186	175	66	59
Montana	106	84	1	34	18	15	36	34	12	9
Nebraska	186	147	1	62	36	31	57	53	21	17
Nevada	137	109	(Z)	46	29	22	47	41	17	11
New Hampshire	141	110	1	46	26	21	46	43	16	14
New Jersey	887	706	4	357	164	141	214	204	104	64
New Mexico	172	135	1	57	32	24	59	53	16	18
New York	1,856	1,462	10	731	322	287	444	433	205	163
North Carolina	662	538	3	244	127	104	207	187	69	65
North Dakota	72	56	(Z)	21	12	11	24	23	9	7
Ohio	1,302	1,007	6	458	217	191	365	353	144	136
Oklahoma	401	322	2	136	74	57	138	126	41	32
Oregon	350	278	2	117	57	46	118	112	39	29
Pennsylvania	1,524	1,209	7	601	262	225	389	375	171	125
Rhode Island	120	97	1	49	22	18	32	30	11	10
South Carolina	351	275	1	120	66	52	118	101	36	35
South Dakota	79	62	1	26	15	14	22	21	9	8
Tennessee	524	410	2	177	92	77	167	154	56	51
Texas	1,785	1,401	7	574	322	249	632	572	191	169
Utah	154	124	1	51	28	22	53	50	17	12
Vermont	64	48	(Z)	20	11	9	20	19	7	7
Virginia	669	523	2	229	144	103	225	189	71	66
Washington	591	469	3	188	113	83	217	195	66	50
West Virginia	224	178	1	83	38	32	66	62	23	20
Wisconsin	565	432	4	180	93	83	169	165	72	56
Wyoming	59	47	(Z)	16	10	9	23	22	7	5
Puerto Rico	125	95	(Z)	30	35	32	35	33	12	17

X Not applicable. Z Fewer than 500. [1] Beginning 1980, includes peacetime veterans not shown separately, who served only between World War I and World War II, and those who served only between World War II and the Korean conflict. [2] Veterans who served in both World War II and the Korean conflict, or in both the Korean conflict and the Vietnam era, are counted only once. [3] Includes 945,000 who served in both World War II and the Korean conflict. [4] Includes 618,000 who served in both the Korean conflict and the Vietnam era. [5] Service only after May 7, 1975. [6] There are also 3 living Spanish-American War veterans whose median age is 102 years, and 60 living Mexican Border conflict veterans.

Source: U.S. Veterans Administration, Office of Information Management and Statistics, *Veteran Population September 30, 1987,* December, 1987, RCS 70-0661.

NO. 557. VETERANS LIVING IN THE U.S. AND PUERTO RICO, BY AGE AND PERIOD OF SERVICE: 1987

[**In thousands, except as indicated. As of Sept. 30.** Estimated. Excludes 453,000 veterans whose only active duty military service occurred since Sept. 30, 1980. See headnote, table 556. See also *Historical Statistics, Colonial Times to 1970,* series Y 943-956, for all veterans]

AGE	Total veterans	WARTIME VETERANS								PEACETIME VETERANS			
		Total [1]	Vietnam era		Korean conflict		World War II [3] [4]	World War I	Total	Post-Vietnam era [5]	Service between Korean conflict and Vietnam era only	Other peacetime [6]
			Total [2] [3]	No prior wartime service	Total [2] [3] [4]	No prior wartime service [2]						
All ages	[7] **27,469**	[7] **21,646**	**8,270**	**7,652**	**5,034**	**4,089**	**9,765**	**140**	**5,823**	**2,473**	**2,967**	**383**
Under 24 years old	326	-	-	-	-	-	-	-	326	326	-	-
25-29 years old	1,196	50	50	50	-	-	-	-	1,148	1,148	-	-
30-34 years old	1,681	934	934	934	-	-	-	-	747	747	-	-
35-39 years old	2,775	2,596	2,596	2,596	-	-	-	-	179	170	9	-
40-44 years old	3,240	2,909	2,909	2,909	-	-	-	-	331	42	290	-
45-49 years old	2,442	985	931	923	62	62	-	-	1,456	22	1,434	-
50-54 years old	2,754	1,597	335	185	1,412	1,412	-	-	1,157	13	1,112	32
55-59 years old	3,314	3,091	265	41	2,542	2,379	671	-	223	5	119	99
60-64 years old	3,753	3,697	130	10	559	186	3,500	-	56	(Z)	12	43
65 years old and over	5,986	5,787	122	5	459	48	5,594	140	200	-	10	190
Median age [8]	53.9	57.9	40.7	40.3	56.8	56.0	66.0	90.7	45.9	29.1	49.3	66.0

- Represents zero. Z Less than 500. [1] Veterans who served in more than one wartime period are counted only once. Includes Vietnam era (no prior wartime service), Korean conflict (no prior wartime service), World War II, and World War I. [2] Includes 342,000 who served in both the Korean conflict and the Vietnam era. [3] Includes 277,000 who served in the Vietnam era, Korean conflict, and World War II. [4] Includes 668,000 who served in both World War II and the Korean conflict. [5] Service only after May 7, 1975. [6] Includes those who served only between World War I and World War II, and those who served only between World War II and the Korean conflict. [7] There are also 3 living Spanish-American War veterans and an estimated 60 living Mexican Border conflict veterans. [8] Computed from data by single year of age.

NO. 558. DISABLED VETERANS RECEIVING COMPENSATION: 1970 TO 1987

[**In thousands, except as indicated.** As of **end of fiscal year;** see text, section 9. Represents veterans receiving compensation for service-connected disabilities. Totally disabled refers to veterans with any disability, mental or physical, deemed to be total and permanent which prevents the individual from maintaining a livelihood and are rated for disability at 100 percent]

MILITARY SERVICE	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Disabled, all periods [1]	**2,092**	**2,220**	**2,274**	**2,279**	**2,275**	**2,263**	**2,251**	**2,240**	**2,225**	**2,212**
Peace-time	165	194	262	284	302	319	335	352	367	382
World War I [1]	65	55	30	25	22	18	15	12	10	7
World War II	1,416	1,309	1,193	1,168	1,140	1,111	1,080	1,049	1,015	982
Korea	239	240	236	234	231	229	226	223	220	218
Vietnam	167	423	553	568	579	587	595	604	613	623
Totally disabled, all periods [1]	**124**	**123**	**121**	**135**	**138**	**139**	**137**	**136**	**133**	**132**
Peace-time	16	16	20	23	24	25	25	26	26	26
World War I [1]	11	6	3	2	2	2	1	1	1	1
World War II	63	58	51	56	57	58	56	54	51	49
Korea	16	16	16	18	18	17	17	17	16	16
Vietnam	18	26	31	36	37	37	38	38	39	40
Compensation (mil. dol.)	**2,393**	**3,797**	**6,104**	**6,939**	**7,594**	**8,007**	**8,041**	**8,270**	**8,379**	**8,434**

[1] Includes Spanish-American War and Mexican Border service, not shown separately.

Source of tables 557 and 558: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs,* and unpublished data.

NO. 559. VETERANS BENEFITS—EXPENDITURES, BY PROGRAM: 1970 TO 1987

[**In millions of dollars. For fiscal years ending in year shown;** see text, section 9. All data are on an accrued expenditure basis]

PROGRAM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total [1]	**10,201**	**16,683**	**23,187**	**25,203**	**26,937**	**28,196**	**28,494**	**30,119**	**31,556**	**32,583**
Compensation and pensions [2]	5,330	7,551	11,257	12,492	13,348	13,881	13,942	14,234	14,399	14,437
Educational assistance and readjustment benefits	1,047	4,529	2,383	2,333	2,001	1,678	1,043	1,169	907	773
Medical services and administ. expenses	[3] 2,009	3,919	6,647	7,199	8,009	8,722	9,123	9,992	10,269	10,641
Hospital and domiciliary construction [4]	75	136	342	456	481	458	486	557	567	589
Insurance and indemnities	1,181	1,345	1,637	1,693	1,701	1,694	1,750	1,853	2,008	2,050
Loan guaranty revolving fund	249	423	445	553	625	1,187	1,511	1,626	2,667	3,330
Direct loans	180	84	49	19	10	8	8	8	9	9
Miscellaneous expenditures	131	17	427	459	562	567	631	679	728	751

[1] Excludes expenditures from personal funds of patients. Includes expenditures from VA Revolving Supply Fund and insurance trust funds. [2] Includes expenditures for statutory burial awards, special clothing allowance, mortgage life insurance, invalid lifts, headstones and markers, and other expenses. [3] Includes National Cancer Institute expenditures (transfer to Veterans Administration). [4] Includes construction grants for State extended care facilities. Beginning 1975, includes expenditures for health manpower training facilities.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs.*

No. 560. Veterans Benefits—Expenditures From Appropriated Funds, by War: Total and 1940 to 1987

[In millions of dollars. For fiscal year ending in year shown; see text, section 9. Refers to expenditures of Veterans Administration and predecessor agencies. See also *Historical Statistics, Colonial Times to 1970*, series Y 971-983]

Period or year	Total, all wars	Mexican War and Indian Wars	Civil War	Spanish-American War	World War I	World War II	Korean Conflict [1]	Service between Korea and Vietnam only	Vietnam [2]	Peacetime
Total	**[3] 526,512**	**198**	**8,574**	**5,939**	**76,431**	**243,427**	**48,957**	**10,804**	**97,154**	**34,909**
To 1939	[3] 18,914	147	8,356	1,537	8,557	(X)	(X)	(X)	(X)	198
1940-1954	55,719	32	179	2,282	9,261	42,476	823	(X)	(X)	666
1955-1969	87,862	7	34	1,556	25,846	41,109	13,472	1,569	1,331	2,936
1970-1984	277,951	5	5	523	29,036	121,959	25,107	9,235	74,578	17,500
1970	8,905	(Z)	1	54	1,944	3,881	898	481	1,328	318
1971	10,240	(Z)	1	51	1,917	4,317	865	648	2,083	356
1972	11,314	1	1	45	1,980	4,699	905	728	2,571	384
1973	12,817	1	1	40	1,908	5,138	988	791	3,535	415
1974	13,878	1	1	39	1,835	5,439	1,051	848	4,159	505
1975	16,419	1	(Z)	38	1,897	6,196	1,219	1,089	5,392	587
1976	18,798	1	(Z)	39	1,861	7,024	1,378	1,246	6,509	740
1977 [4]	23,063	(Z)	(Z)	45	2,401	9,616	1,900	617	7,447	1,037
1978	19,529	(Z)	(Z)	35	2,001	8,421	1,686	532	5,902	952
1979	20,276	(Z)	(Z)	35	2,096	9,140	1,830	545	5,555	1,075
1980	21,299	(Z)	(Z)	36	2,063	9,841	2,044	614	5,463	1,238
1981	22,863	(Z)	(Z)	18	1,727	10,656	2,309	528	5,889	1,736
1982	24,356	(Z)	(Z)	18	1,653	11,469	2,596	568	6,085	1,966
1983	25,914	(Z)	(Z)	16	1,543	12,024	2,753	(5)	6,291	[5] 3,287
1984	28,280	(Z)	(Z)	14	2,212	14,098	2,685	(5)	6,369	[5] 2,902
1985	27,540	1	(Z)	15	1,286	12,539	3,084	(5)	6,446	[5] 4,167
1986	28,900	3	(Z)	13	1,245	12,652	3,191	(5)	7,222	[5] 4,575
1987	29,626	3	(Z)	11	1,198	12,692	3,280	(5)	7,577	[5] 4,867

X Not applicable. Z Less than $500,000. [1] June 27, 1950 to Jan. 31, 1955. [2] Service from Aug. 5, 1964, to May 7, 1975. [3] Includes $70 million for the Revolutionary War and $49 million for the War of 1812. [4] 15 months ending Sept 30. [5] Peacetime combined with service between Korea and Vietnam only.

Source: U.S. Veterans Administration, unpublished data.

No. 561. Veterans Compensation and Pension Benefits—Number on Rolls and Average Payment, by Period of Service and Status: 1980 to 1987

[As of Sept. 30. Living refers to veterans receiving compensation for disability incurred or aggravated while on active duty and war veterans receiving pension and benefits for nonservice connected disabilities. Deceased refers to deceased veterans whose dependents were receiving pensions and compensation benefits. See also *Historical Statistics, Colonial Times to 1970*, series Y 998-999]

Period of service and veteran status	Veterans on rolls (1,000)					Average payment (annual basis) [1] (dol.)				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Total	**4,646**	**4,123**	**4,006**	**3,899**	**3,808**	**2,370**	**3,335**	**3,505**	**3,647**	**3,741**
Living veterans	3,195	2,980	2,931	2,883	2,844	2,600	3,534	3,666	3,764	3,821
Service connected	2,273	2,251	2,240	2,225	2,212	2,669	3,573	3,692	3,766	3,808
Nonservice connected	922	730	690	658	631	2,426	3,416	3,581	3,755	3,865
Deceased veterans	1,451	1,143	1,075	1,016	964	1,863	2,813	3,066	3,315	3,504
Service connected	358	342	336	331	328	3,801	5,471	5,836	6,100	6,296
Nonservice connected	1,093	801	739	685	636	1,228	1,680	1,809	1,968	2,066
Prior to World War I	14	8	7	6	5	1,432	1,777	1,855	1,979	2,068
Living	(Z)	(Z)	(Z)	(Z)	(Z)	2,634	4,031	4,436	5,920	5,420
Deceased	14	8	7	6	5	1,403	1,749	1,822	1,937	2,025
World War I	692	435	381	334	295	1,683	2,276	2,461	2,664	2,817
Living	198	87	68	53	42	2,669	4,009	4,439	4,906	5,243
Deceased	494	348	313	281	253	1,288	1,841	2,029	2,238	2,415
World War II	2,520	2,180	2,097	2,020	1,943	2,307	3,172	3,317	3,440	3,513
Living	1,849	1,631	1,575	1,518	1,464	2,462	3,331	3,460	3,563	3,621
Deceased	671	549	522	502	479	1,880	2,697	2,888	3,067	3,182
Korean conflict [2]	446	407	399	395	393	2,691	3,918	4,114	4,276	4,389
Living	317	311	309	308	308	2,977	4,119	4,260	4,366	4,457
Deceased	129	96	90	87	85	1,990	3,265	3,615	3,955	4,147
Peace-time	312	387	404	419	433	3,080	3,895	3,973	4,008	3,965
Living	262	335	352	367	382	2,828	3,528	3,589	3,614	3,563
Deceased	50	52	52	52	52	4,399	6,265	6,577	6,802	6,937
Vietnam era [3]	662	707	716	726	738	2,795	3,864	4,021	4,138	4,244
Living	569	616	626	637	649	2,709	3,714	3,849	3,941	4,029
Deceased	93	91	90	89	89	3,324	4,880	5,220	5,546	5,818

Z Fewer than 500. [1] Averages calculated by multiplying average monthly payment by 12. [2] Service during period June 27, 1950, to Jan. 31, 1955. [3] Service from Aug. 5, 1964, to May 7, 1975.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

NO. 562. VETERANS ADMINISTRATION HEALTH CARE SUMMARY: 1980 TO 1987

[For years ending Sept. 30]

ITEM	Unit	1980	1985	1987
Facilities operating:				
Hospitals	Number	172	172	172
Domiciliaries	Number	16	16	17
Outpatient clinics	Number	226	226	229
Nursing home units	Number	92	115	117
Employment [1]	1,000	194	203	200
Obligations [2]	Mil. dol	6,215	9,258	9,980
Medical care	Mil. dol	5,972	8,936	9,673
Research in health care	Mil. dol	138	227	210
Prescriptions dispensed	Million	36.7	48.1	54.1
Laboratory procedures	Million	215	173	189

ITEM	Unit	1980	1985	1987
Radiology examinations	Million	5.7	5.4	5.5
Inpatients treated [3]	1,000	1,359	1,435	1,466
VA facilities	1,000	1,275	1,339	1,372
Other facilities	1,000	84	96	94
Average daily inpatients [4]	1,000	105	100	97
VA facilities	1,000	84	75	71
Other facilities	1,000	21	25	26
Outpatient medical visits	Million	18.0	19.6	21.5
VA staff	Million	15.8	17.8	19.8
Fee-basis	Million	2.2	1.8	1.8

[1] Net full-time equivalent. [2] 1980, cost-basis; thereafter, obligation-basis. Includes other obligations not shown separately.

[3] Based on the number of discharges and deaths during the fiscal year, plus the number on the rolls (bed occupants and patients on authorized leave of absence) at the end of the fiscal year. Excludes interhospital transfers. [4] Patients receiving hospital care, or nursing bed care.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs; Directory of VA Facilities*, biennial; and unpublished data.

NO. 563. VETERANS ASSISTANCE TO PERSONS IN EDUCATION AND TRAINING PROGRAMS: 1975 TO 1987

[In thousands. For fiscal years ending in year shown; see text, section 9. Represents persons in training during year]

PROGRAM	1975	1980	1981	1982	1983	1984	1985	1986	1987
Post-Korea Education Assistance [1]	2,692	1,107	949	779	644	526	402	308	239
Institutions of higher education	1,693	842	736	620	517	421	325	257	203
Resident schools other than college	420	149	122	98	88	76	54	35	28
Correspondence schools	387	42	35	21	13	10	7	6	(NA)
On-the-job training	192	74	55	38	25	19	15	9	7
Children's Educational Assistance	71.4	82.6	82.6	80.3	70.9	63.6	55.3	48.4	45.4
Institutions of higher education	64.7	75.5	74.6	72.1	63.7	57.1	50.0	43.9	38.7
Schools other than college	6.3	6.5	7.5	7.8	7.0	6.2	5.2	4.3	3.6
Special restorative training	.1	.1	.1	(Z)	(Z)	.1	(Z)	(Z)	(NA)
On-the-job training	.4	.5	.4	.3	.2	.2	.2	.1	.1
Spouses, Widows/Widowers Educational Assistance Program	16.5	13.0	11.9	10.6	8.8	7.6	6.6	5.9	[illegible]
Institutions of higher education	12.2	10.8	10.1	9.0	7.5	6.5	5.7	5.0	4.6
Schools other than college	4.3	2.2	1.8	1.6	1.3	1.1	1.0	.9	.7
Vocational Rehabilitation Program for Disabled Veterans	[2] 24.8	25.5	29.8	30.9	30.6	29.0	25.9	25.8	24.8
Institutions of higher education	18.5	18.9	21.7	22.1	21.9	(NA)	(NA)	(NA)	18.0
Schools other than college	4.9	5.6	7.0	7.5	7.5	(NA)	(NA)	(NA)	.8
On-the-job training	1.3	1.0	1.0	.9	.8	(NA)	(NA)	(NA)	.8
Institutional on-farm	.2	.1	.1	.1	.1	(NA)	(NA)	(NA)	(NA)

NA Not available. Z Fewer than 50. [1] Includes some Post-Vietnam veterans. [2] Estimated.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

NO. 564. VETERANS GUARANTEED AND INSURED LOANS: 1970 TO 1987

[For fiscal years ending in year shown, see text, section 9. Includes mobile home loans. See section 26 for VA loan characteristics]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Number of loans	1,000	186.2	290.2	297.4	187.6	103.4	245.1	251.6	178.9	313.8	479.5
Home	1,000	186.2	288.2	289.2	178.2	92.9	231.6	238.5	170.0	307.7	474.4
Amount of loans	Mil. dol	3,683	8,091	14,815	10,006	5,542	14,670	15,612	11,452	21,986	34,800
Home	Mil. dol	3,682	8,072	14,653	9,822	5,332	14,389	15,333	11,263	21,233	34,783
Guaranty and insurance	Mil. dol	1,971	3,702	6,370	4,248	2,292	5,736	6,034	4,363	7,896	12,237
Home	Mil. dol	1,971	3,096	6,289	4,156	2,187	5,506	5,895	4,260	7,830	12,180

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.

Section **12**

Social Insurance and Human Services

This section presents data related to governmental expenditures for social welfare; governmental
programs for old-age, survivors, disability, and health insurance (OASDHI); governmental employee
retirement; Individual Retirement Account, Keogh account and private pension plans; government
unemployment and temporary disability insurance; Federal supplemental security income payments
and aid to the needy; child and other welfare services; and Federal food programs. Also included
here are selected data on workers' compensation, including black lung benefits; vocational rehabili-
ation; child support; child care; and philanthropic trusts and foundations.

The principal source for these data is the Department of Health and Human Services' (HHS)
monthly *Social Security Bulletin* which presents current data on many of the programs and summa-
y data in annual statistical supplements. Current data on employment security are published
monthly in the Department of Labor's *Unemployment Insurance Statistics*. Data on the Medicare
and Medicaid programs appear periodically in the Health Care Financing Administration's *Health
Care Financing Review* (quarterly), *Health Care Financing Notes*, and *Health Care Financing Pro-
ram Statistics*. Statistics on aid to families with dependent children (AFDC) are presented in the
.S. Social Security Administration's monthly publication, *Public Assistance Statistics*.

Social insurance under the Social Security Act.—Programs established by the Social Security
ct provide protection against wage loss resulting from retirement, prolonged disability, death, or
nemployment, and protection against the cost of medical care during old age and disability. The
ederal OASDHI program provides monthly cash benefits to retired or disabled insured workers and
eir dependents and to survivors of insured workers. To be eligible, a worker must have had a
pecified period of employment in which OASDHI taxes were paid. A worker becomes eligible for
ll benefits at age 65, although reduced benefits may be obtained up to 3 years earlier; the work-
's spouse is under the same limitations. Survivor benefits are payable to dependents of deceased
sured workers. Disability benefits are payable to an insured worker under age 65 with a prolonged
sability and to the disabled worker's dependents on the same basis as dependents of retired
orkers. Also, disability benefits are provided at age 50 to the disabled widow or widower of a de-
ased worker who was fully insured at the time of death. A lump sum benefit is generally payable
 the death of an insured worker to a spouse or minor children.

Since July 1966, the Federal "Medicare" program has provided two coordinated plans for nearly
 people age 65 and over: (1) A hospital insurance plan which covers hospital and related serv-
es and (2) a voluntary supplementary medical insurance plan, financed partially by monthly premi-
ns paid by participants, which partly covers physicians' and related medical services. Since July
73, such insurance also applies to disabled beneficiaries of any age after 24 months of eligibility
d to persons with chronic kidney disease.

Retirement, survivors, disability, and hospital insurance benefits are funded by a payroll tax on
nual earnings (up to a maximum of earnings set by law) of workers, employers, and the self-
ployed. The maximum taxable earnings are adjusted periodically through Federal legislation to
lect increasing income levels (see table 576). Tax receipts and benefit payments are adminis-
ed through Federal trust funds. Special benefits for uninsured persons; hospital benefits for per-
ns 65 and over with specified amounts of Social Security coverage less than that required for
h benefit eligibility; and that part of the cost of supplementary medical insurance not financed by
ntributions from participants are financed from Federal general revenues.

Inemployment insurance is presently administered by the U.S. Employment and Training Admin-
ation and each State's employment security agency. By agreement with the U.S. Secretary of
or, State agencies also administer unemployment compensation for eligible ex-service members
 Federal employees, unemployment assistance under the Disaster Relief Act of 1970, workers
istance and relocation allowances under the Trade Act, and, until 1975, direct aid (training and
ted cash allowances) under Federal manpower acts.

Under State unemployment insurance laws, benefits related to the individual's past earnings are paid to unemployed eligible workers. State laws vary concerning the length of time benefits are paid and their amount. In most States, benefits are payable for 26 weeks and, during periods of high unemployment, extended benefits are payable under a Federal-State program to those who have exhausted their regular State benefits. The basic benefit can vary among States by over 100 percent. Some States also supplement the basic benefit with allowances for dependents.

Unemployment insurance is funded by a Federal unemployment tax levied on the taxable payrolls of most employers. Taxable payroll under the Federal Act and most State laws is the first $7,000 in wages paid each worker during a year. Employers are allowed a percentage credit of taxable payroll for contributions paid to States under State unemployment insurance laws. The remaining percent of the Federal tax finances administrative costs, the Federal share of extended benefits, and advances to States. About 97 percent of wage and salary workers are covered by unemployment insurance.

Retirement Programs for Government Employees.—The Civil Service Retirement System (CSRS) and the Federal Employees' Retirement System (FERS) are the two major programs providing age and service, disability and survivor annuities for Federal civilian employees. In general, employees hired after December 31, 1983 are covered under FERS and the social security program (OASDHI) and employees on staff prior to that date are members of CSRS and are covered under Medicare. CSRS employees were offered the option of transferring to FERS during 1987. There are separate retirement systems for the uniformed services (supplementing OASDHI) and for certain special groups of Federal employees.

State and local government employees are covered for the most part by State and local retirement systems similar to the Federal civil service retirement system. In many jurisdictions these benefits supplement OASDHI coverage.

State and local government employees are covered for the most part by State and local retirement systems similar to the Federal civil service retirement system. In many jurisdictions these benefits supplement OASDHI coverage.

Workers' compensation.—All States provide protection against work-connected injuries and deaths, although some States exclude certain workers (e.g., domestic help). Federal laws cover Federal employees, private employees in the District of Columbia, and longshoremen and harbor workers. In addition, the Social Security Administration and the Department of Labor administer a "black lung" benefits program for coal miners disabled by pneumoconiosis and for specified dependents and survivors. Specified occupational diseases are compensable to some extent. In most States, benefits are related to the worker's salary. The benefits may or may not be augmented by dependents' allowances or automatically adjusted to prevailing wage levels.

Public aid.—State-administered public assistance programs (Aid to Families with Dependent Children (AFDC), emergency assistance and general assistance) and the Federal Supplemental Security Income (SSI) program administered by the Social Security Administration provide benefits to persons who qualify. AFDC and emergency assistance are in part federally funded while the costs of general assistance are met entirely with State and local funds.

The SSI program replaced Federal grants for aid to the aged, blind and disabled in the 50 States and the District of Columbia in 1974. Residents of the Northern Mariana Islands became eligible in 1978. Federal grants continue for aid to the aged, blind and disabled in Guam, Puerto Rico and the Virgin Islands. The SSI program provides a minimum income for the aged, blind and disabled and establishes uniform national basic eligibility requirements and payment standards. Most States supplement the basic SSI payment.

Federal Food Stamp program.—Under the Food Stamp program, single persons and those living in households meeting nationwide standards for income and assets may receive coupons redeemable for food at most retail food stores. The monthly amount of coupons a unit receives is determined by household size and income. Households without income receive the determined monthly cost of a nutritionally adequate diet for their household size. This amount is updated to account for food price increases. Households with income receive the difference between the amount of a nutritionally adequate diet and 30 percent of their income, after certain allowable deductions.

To qualify for the program, a household must have less than $2,000 in disposable assets ($3,000 if one member is aged 60 or older), gross income below 130 percent of the official poverty guidelines, and net income below 100 percent of the poverty guidelines. Households with a person aged 60 or older or a disabled person receiving SSI, Social Security, or veterans' disability benefits may have gross income exceeding 130 percent of the poverty guidelines. All households must meet these requirements, even those receiving other Federal assistance payments. Households are certified for varying lengths of time, depending on their income sources and individual circumstances.

Health and welfare services.—Programs providing health and welfare services are aided through Federal grants to States for child welfare services, vocational rehabilitation, activities for the aged, maternal and child health services, maternity and infant care projects, comprehensive health services, and a variety of public health activities.

Under Medicaid, all States (except Arizona) offer basic health services to eligible low-income persons. The cost of providing these services is shared by the Federal Government, but each State determines its own eligibility criteria and may set benefits above the minimum established by Federal law. Almost all recipients of cash welfare programs are automatically eligible. In addition, 31 States extend Medicaid to families that satisfy all but the income requirements for welfare and that either have incomes which meet State definitions of "medically needy" or incur medical expenses which lower their incomes to medically needy levels.

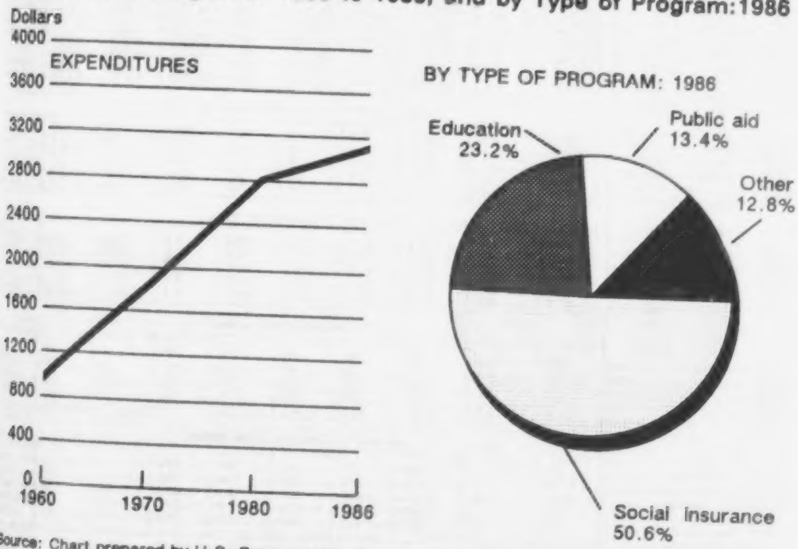
Noncash benefits.—The Bureau of the Census annually collects data on the characteristics of recipients of noncash (in-kind) benefits to supplement the collection of annual money income data in the Current Population Survey (see text, section 1 and section 15). Noncash benefits are those benefits received in a form other than money which serve to enhance or improve the economic well-being of the recipient. As for money income, the data for noncash benefits are for the calendar year prior to the date of the interview and are reported in the *Current Population Reports,* series P-60. The two major categories of noncash benefits covered are public transfers (e.g. Food stamps, school lunch, public housing, and Medicaid) and employer or union-provided benefits to employees.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to HHS and Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Figure 12.1

Social Welfare Expenditures in Constant (1986) Dollars, Per Capita, Under Public Programs: 1960 to 1986; and by Type of Program: 1986



ource: Chart prepared by U.S. Bureau of the Census. For data see table 565.

No. 565. Social Welfare Expenditures Under Public Programs: 1960 to 1986

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Represents outlays from trust funds (mostly social insurance funds built up by earmarked contributions from insured persons, their employers, or both) and budgetary outlays from general revenues. Includes administrative expenditures, capital outlay, and some expenditures and payments outside U.S. See table 566 for program detail. For explanation of annual percent change, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970,* series H 1-47, for related but not comparable data]

YEAR	SOCIAL WELFARE OUTLAYS		Social insurance	Public aid	Health and medical programs [1]	Veterans programs	Education	Housing	Other social welfare	All health and medical care [2]
	Total	Annual percent change								
	TOTAL									
1960	52,293	[3] 9.9	19,307	4,101	4,464	5,479	17,626	177	1,139	6,395
1970	145,856	10.8	54,691	16,488	9,907	9,078	50,845	701	4,145	25,391
1975	290,084	14.7	123,013	41,308	17,783	17,019	80,834	3,172	6,947	52,348
1980	492,526	11.2	229,754	71,799	27,650	21,466	121,050	7,210	13,599	100,294
1981	550,545	11.8	267,395	82,424	30,424	23,441	128,145	6,734	11,983	116,537
1982	594,876	8.1	302,615	80,852	33,218	24,708	133,874	7,954	11,654	130,889
1983	643,437	8.2	331,161	86,644	34,585	25,802	141,815	10,964	12,466	136,742
1984	671,969	4.4	341,120	90,685	37,006	26,275	152,056	11,532	13,295	148,467
1985	730,399	8.7	372,529	96,777	41,060	27,042	166,418	12,627	13,946	167,542
1986	770,522	5.5	390,404	103,079	44,334	27,445	178,518	12,036	14,705	179,814
	FEDERAL									
1960	24,957	[3] 11.3	14,307	2,117	1,737	5,367	868	144	417	2,918
1970	77,337	12.0	45,246	9,649	4,775	8,952	5,876	582	2,259	16,600
1975	167,426	16.7	99,715	27,186	8,521	16,570	8,629	2,541	4,264	34,100
1980	302,631	12.6	191,162	48,666	12,703	21,254	13,452	6,608	8,786	68,801
1981	344,120	13.7	224,574	55,946	13,650	23,229	13,372	6,045	7,304	80,560
1982	367,620	6.8	250,551	52,485	14,528	24,463	11,917	7,176	6,500	90,706
1983	401,413	9.2	274,315	56,709	15,440	25,561	12,399	9,961	7,028	95,719
1984	420,399	4.7	288,743	58,480	16,622	25,970	13,010	10,226	7,349	103,927
1985	452,860	7.7	313,108	61,985	18,630	26,704	13,796	11,088	7,548	118,955
1986	472,384	4.3	326,588	65,615	19,926	27,072	15,022	10,164	7,977	125,730
	STATE AND LOCAL									
1960	27,337	[3] 8.7	4,999	1,984	2,727	112	16,758	33	723	3,478
1970	68,519	9.6	9,446	6,839	5,132	127	44,970	120	1,886	8,791
1975	122,654	12.4	23,298	14,122	9,267	449	72,205	631	2,683	18,248
1980	189,897	9.1	38,592	23,133	14,948	212	107,597	601	4,813	31,492
1981	206,424	8.7	42,821	26,477	16,774	212	114,773	688	4,679	35,977
1982	227,226	10.1	52,063	28,367	18,690	245	121,957	778	5,154	40,164
1983	242,023	6.6	56,846	29,935	19,144	241	129,416	1,003	5,438	41,023
1984	251,569	3.9	52,378	32,206	20,383	301	139,046	1,306	5,946	44,540
1985	277,540	10.3	59,420	34,792	22,430	338	152,622	1,540	6,398	48,587
1986	298,158	7.4	63,816	37,464	24,408	373	163,495	1,872	6,728	53,884
	PERCENT OF TOTAL EXPENDITURES, BY TYPE									
1960	100.0	(X)	36.9	7.8	8.5	10.5	33.7	.3	2.2	12.2
1970	100.0	(X)	37.5	11.3	6.8	6.2	34.9	.5	2.8	17.4
1980	100.0	(X)	46.6	14.6	5.6	4.4	24.6	1.5	2.8	20.4
1985	100.0	(X)	51.0	13.2	5.6	3.7	22.8	1.7	1.9	22.9
1986	100.0	(X)	50.7	13.4	5.8	3.6	23.2	1.6	1.9	23.3
	PERCENT FEDERAL OF TOTAL									
1960	47.7	(X)	74.1	51.6	38.9	98.0	4.9	81.4	36.6	45.6
1970	53.0	(X)	82.7	58.5	48.2	98.6	11.6	83.0	54.5	65.4
1980	61.4	(X)	83.2	67.8	45.9	99.0	11.1	91.7	64.6	68.1
1985	62.0	(X)	84.0	64.0	45.4	98.8	8.3	87.8	54.1	71.0
1986	61.3	(X)	83.6	63.7	44.9	98.6	8.4	84.4	54.2	70.0
	PER CAPITA (Current dollars) [4]									
1960	285	[3] 7.9	105	22	24	30	96	2	6	35
1970	701	9.4	262	79	48	43	245	4	20	122
1980	2,138	11.8	995	312	121	92	526	33	59	437
1985	3,001	7.0	1,528	398	169	110	685	52	57	690
1986	3,138	4.6	1,587	421	181	112	728	49	60	739
	PER CAPITA (Constant (1986) dollars) [4] [5]									
1960	990	[3] 5.6	365	76	83	104	333	7	21	122
1970	1,868	6.6	698	210	128	114	653	11	53	325
1980	2,822	4.2	1,313	412	160	121	694	44	78	577
1985	3,065	1.7	1,561	406	173	112	700	53	58	705
1986	3,138	2.4	1,587	421	181	112	728	49	60	739

X Not applicable. [1] Excludes program parts of social insurance, public aid, veterans, and other social welfare. [2] Combines "Health and medical programs" with medical services included in social insurance, public aid, veterans, vocational rehabilitation, and antipoverty programs. [3] Change from 1955. [4] Excludes payments within foreign countries for education, veterans, OASDHI, and civil service retirement. [5] Constant dollar figures are based on implicit price deflators for personal consumption expenditures published by U.S. Bureau of Economic Analysis; see table 751.

Source: U.S. Social Security Administration, *Social Security Bulletin,* November 1988 and earlier issues.

No. 566. Social Welfare Expenditures, by Source of Funds and Public Program: 1980 to 1986

[In millions of dollars. See headnote, table 565, and *Historical Statistics, Colonial Times to 1970*, series H 1–47, for related but not comparable data]

PROGRAM	1980		1984		1985		1986	
	Federal	State and local	Federal	State and local	Federal	State and local	Federal	State and local
Total	**302,631**	**188,897**	**420,399**	**251,560**	**452,860**	**277,540**	**472,364**	**298,158**
Social insurance	**191,162**	**38,592**	**288,743**	**52,379**	**313,108**	**59,420**	**326,588**	**63,816**
Old-age, survivors, disability, health	152,110	(x)	236,254	(x)	260,469	(x)	271,980	(x)
Health insurance (Medicare)	34,992	(x)	62,481	(x)	72,194	(x)	75,903	(x)
Public employee retirement [1]	26,983	12,507	36,587	20,300	40,504	22,540	41,886	25,043
Railroad employee retirement	4,769	(x)	6,144	(x)	6,276	(x)	6,354	(x)
Unemployment insurance and employment services [2]	4,408	13,919	2,529	13,575	2,604	15,740	2,831	15,719
Other railroad employee insurance [3]	224	(x)	230	(x)	169	(x)	192	(x)
State temporary disability insurance [4]	(x)	1,377	(x)	1,818	(x)	1,944	(x)	2,036
Workers' compensation [5]	2,668	10,789	2,999	16,685	3,067	19,197	3,385	21,017
Hospital and medical benefits	130	3,596	282	5,728	280	6,800	324	7,764
Public aid	**48,666**	**23,133**	**58,480**	**32,206**	**61,985**	**34,792**	**65,615**	**37,464**
Public assistance [6]	23,542	21,346	30,838	30,162	33,523	32,557	36,402	34,968
Medical vendor payments (Medicaid) [7]	14,550	12,844	20,212	19,251	22,677	21,261	24,826	23,149
Social services	1,757	586	2,092	692	2,057	686	2,003	668
Supplemental security income	6,440	1,787	9,094	2,043	9,605	2,235	10,317	2,496
Food stamps	9,083	(x)	12,375	(x)	12,513	(x)	12,397	(x)
Other [8]	9,601	(x)	6,173	(x)	6,344	(x)	6,499	(x)
Health and medical programs	**12,703**	**14,948**	**16,622**	**20,383**	**18,630**	**22,430**	**19,926**	**24,406**
Hospital and medical care	6,478	5,810	9,250	7,052	10,606	7,582	11,448	8,081
Civilian programs	2,378	5,810	2,352	7,052	2,557	7,582	2,679	8,081
Defense Department [9]	4,100	(x)	6,898	(x)	8,051	(x)	8,768	(x)
Maternal and child health programs	354	516	371	690	412	788	395	856
Medical research	4,378	445	5,463	808	6,002	932	6,456	1,075
Medical facilities construction	236	1,904	194	1,968	203	1,793	234	1,581
Other	1,257	6,273	1,344	9,866	1,399	11,335	1,392	12,814
Veterans programs	**21,254**	**212**	**25,970**	**301**	**26,704**	**338**	**27,072**	**373**
Pensions and compensation	11,306	(x)	14,051	(x)	14,333	(x)	14,493	(x)
Health and medical programs	6,204	(x)	8,936	(x)	9,493	(x)	9,923	(x)
Hospital and medical care	5,750	(x)	8,180	(x)	8,809	(x)	9,120	(x)
Hospital construction	323	(x)	566	(x)	458	(x)	617	(x)
Medical and prosthetic research	131	(x)	190	(x)	227	(x)	186	(x)
Education	2,401	(x)	1,402	(x)	1,171	(x)	867	(x)
Life insurance [10]	665	(x)	719	(x)	796	(x)	893	(x)
Welfare and other	679	212	862	301	912	338	896	373
Education	**[11] 13,452**	**107,597**	**[11] 13,010**	**139,046**	**[11] 13,796**	**152,622**	**[11] 15,022**	**163,495**
Elementary and secondary	7,430	79,720	6,059	103,408	7,278	113,474	7,472	134,819
Construction [12]	41	6,483	28	7,230	23	8,335	21	5,684
Higher	4,468	21,708	5,048	27,616	5,102	30,343	6,071	28,676
Construction	42	1,486	35	2,236	32	2,685	30	2,638
Vocational and adult [12]	1,207	6,169	1,046	8,023	1,087	8,804	1,208	(NA)
Housing	**6,608**	**601**	**10,226**	**1,306**	**11,068**	**1,540**	**10,164**	**1,872**
Other social welfare	**8,786**	**4,813**	**7,349**	**5,946**	**7,540**	**6,398**	**7,977**	**6,728**
Vocational rehabilitation	1,006	245	1,109	336	1,187	350	1,396	374
Medical services and research	237	56	259	83	275	80	288	75
Institutional care [13]	74	408	118	603	121	654	140	701
Child nutrition [14]	4,209	643	4,271	928	4,349	960	4,588	1,088
Child welfare [15]	57	743	165	(NA)	200	(NA)	198	(NA)
Special CSA and ACTION programs [16]	2,303	(x)	479	(x)	504	(x)	504	(x)
Welfare, not elsewhere classified [17]	1,137	2,774	1,207	4,076	1,188	4,435	1,150	4,564

NA Not available. X Not applicable. [1] Excludes refunds to those leaving service. Federal data include military retirement. [2] Includes compensation for Federal employees and ex-servicemen, trade adjustment and cash training allowance, and payments under extended, emergency, disaster, and special unemployment insurance programs. [3] Unemployment and temporary disability insurance. [4] Cash and medical benefits in 5 areas. Includes private plans where applicable. [5] Benefits paid by private insurance carriers, State funds, and self-insurers. Federal includes black lung benefit programs. [6] Includes payments under State general assistance programs and work incentive activities, not shown separately. [7] Medical vendor payments are those made directly to suppliers of medical care. [8] Refugee assistance, surplus food for the needy, and work-experience training programs under the Comprehensive Employment and Training Act. Beginning 1984, includes low-income energy assistance program. [9] Includes medical care for military dependent families. [10] Excludes servicemen's group life insurance. [11] Includes Federal expenditures for administrative costs (Department of Education) and research, not shown separately. [12] Construction costs of vocational and adult education programs included under elementary-secondary expenditures. [13] Federal expenditures represent primarily surplus foods for nonprofit institutions. [14] Surplus food for schools and programs under National School Lunch and Child Nutrition Acts. [15] Represents primarily child welfare services under title V of the Social Security Act. [16] Includes domestic volunteer programs under ACTION and community action and migrant workers programs under Community Services Administration. [17] Federal expenditures include administrative expenses of the Secretary of Health and Human Services; Indian welfare and guidance; and aging and juvenile delinquency activities. State and local include antipoverty and manpower programs, child care and adoption services, legal assistance, and other unspecified welfare services.

Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1988 and forthcoming issue.

NO. 567. SOCIAL WELFARE EXPENDITURES UNDER PUBLIC PROGRAMS AS PERCENT OF GNP AND TOTAL GOVERNMENT OUTLAYS: 1960 TO 1986

[See headnote, table 566. For explanation of annual percent change, see Guide to Tabular Presentation]

YEAR	TOTAL EXPENDITURES				FEDERAL				STATE AND LOCAL GOVERNMENT			
	Total (bil. dol.)	Annual percent change [1]	Percent of—		Total (bil. dol.)	Annual percent change [1]	Percent of—		Total (bil. dol.)	Annual percent change [1]	Percent of—	
			Total GNP [2]	Total govt. outlays			Total GNP [2]	Total Federal outlays			Total GNP [2]	Total State and local outlays
1960	52.3	9.9	10.3	38.4	25.0	11.3	4.9	28.1	27.3	8.7	5.4	66.1
1970	145.9	10.8	14.7	48.2	77.3	12.0	7.8	40.1	68.5	9.6	6.9	64.0
1975	290.1	14.7	19.0	57.3	167.4	16.7	11.0	52.0	122.7	12.4	8.0	65.3
1980	492.5	11.2	18.5	56.5	302.6	12.6	11.3	54.3	189.9	9.1	7.1	60.8
1985	730.4	8.2	18.5	51.2	452.9	8.4	11.5	47.8	277.5	7.9	7.0	58.0
1986	770.5	5.5	18.4	47.9	472.4	4.3	11.3	47.6	298.2	7.4	7.1	58.2

[1] Change from prior year shown; for 1960, change from 1955. [2] Gross national product.

Source: U.S. Social Security Administration, *Social Security Bulletin,* November 1988.

NO. 568. PUBLIC INCOME-MAINTENANCE PROGRAMS—CASH BENEFIT PAYMENTS: 1970 TO 1987

[Includes payments outside the United States and benefits to dependents, where applicable]

PROGRAM	PAYMENTS (bil. dol.)										PERCENT		
	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1970	1980	198
Total [1]	**60.5**	**138.6**	**228.1**	**241.0**	**282.9**	**298.6**	**308.7**	**329.1**	**346.0**	(NA)	**100.0**	**100.0**	**100.0**
Percent of personal income [2]	7.3	10.6	10.1	9.6	10.6	10.5	9.9	9.9	9.8	(NA)	(X)	(X)	(X)
OASDI [3]	31.6	66.6	120.3	128.7	155.7	166.9	175.5	186.1	193.6	201.7	52.2	52.8	56.1
Public employee retirement [4]	9.2	21.3	40.6	46.4	51.4	55.0	58.6	64.7	69.0	(NA)	15.2	17.8	20.0
Railroad retirement	1.8	3.3	4.9	5.4	5.8	6.0	6.1	6.3	6.4	6.5	2.9	2.1	1.9
Veterans' pensions, compensation	5.5	7.7	11.4	12.5	13.3	13.7	13.8	14.1	14.2	14.3	9.1	5.0	4.1
Unemployment benefits [5]	4.2	18.3	18.9	13.7	21.1	19.2	13.6	14.4	16.0	14.4	7.0	8.3	4.6
Temporary disability benefits	.7	.9	1.4	1.6	1.6	1.6	1.8	1.8	1.9	2.0	1.2	.6	.6
Workers' compensation [6]	2.0	4.6	9.7	10.6	11.3	11.9	13.3	15.1	16.7	(NA)	3.3	4.2	4.8
Public assistance [7]	4.9	9.3	12.1	13.2	13.0	13.9	14.6	15.3	16.1	16.5	8.0	5.3	4.7
Supplemental Security Income [7]	(X)	5.9	7.9	8.5	9.0	9.5	10.4	11.1	12.1	14.8	(X)	3.4	3.5

NA Not available. X Not applicable. [1] Includes lump sum death benefits, not shown separately. [2] For base data, see table 695. [3] Old-age, survivors, and disability insurance under Federal Social Security Act; see text, section 12. [4] Excludes refunds of contributions to employees who leave service. [5] Beginning 1981, covers State unemployment insurance, Ex-Servicemen's Compensation Act and railroad unemployment insurance only. [6] Includes black lung benefits. [7] Beginning 1975, Federal grants to States for aid to aged, blind, and disabled replaced by Supplemental Security Income programs; see text, section 12.

Source: U.S. Social Security Administration, *Social Security Bulletin,* monthly and unpublished data.

NO. 569. HOUSEHOLDS RECEIVING MEANS-TESTED NONCASH BENEFITS, 1980 TO 1986, AND BY POVERTY STATUS, 1986

[Households as of **March** of following year. Covers civilian noninstitutional population, including persons in the Armed Forces living off post or with their families on post. A means-tested benefit program requires that the household's income and/or assets fall below specified guidelines in order to qualify for benefits. The means-tested noncash benefits covered are food stamps, free or reduced-price school lunches, public or subsidized housing, and Medicaid. There are general trends toward under-estimation of noncash beneficiaries. Households are classified according to poverty status of family or nonfamily householder; for explanation of poverty level, see text, section 14. Based on Current Population Survey; see text, section 1, and Appendix III]

TYPE OF BENEFIT RECEIVED	1980, total (1,000)	1983, total (1,000)	1984, total (1,000)	1985, total (1,000)	1986			
					Total (1,000)	Below poverty level		Above poverty level (1,000)
						Number (1,000)	Percent distribution	
Total households	**82,368**	**85,407**	**86,789**	**88,458**	**89,479**	**11,901**	**100.0**	**77,578**
Not receiving noncash benefits	68,102	70,886	72,194	73,992	74,670	4,735	39.8	69,935
Not receiving cash public assistance	67,743	70,645	71,958	73,731	74,406	4,681	39.3	69,725
Receiving cash public assistance [1]	359	241	237	261	263	53	.4	210
Receiving at least one noncash benefit	14,266	14,521	14,594	14,466	14,809	7,166	60.2	7,643
Not receiving cash public assistance	7,860	8,123	7,973	7,860	8,181	3,007	25.3	5,174
Receiving cash public assistance [1]	6,407	6,398	6,621	6,607	6,628	4,159	34.9	2,469
Total households receiving—								
Food stamps	6,769	7,170	7,061	6,779	6,593	4,819	40.5	1,775
School lunch	5,532	5,646	5,637	5,752	5,979	3,058	25.7	2,921
Public housing	2,777	3,234	3,586	3,799	3,769	2,097	17.6	1,682
Medicaid	8,287	8,146	8,323	8,178	8,521	4,893	41.1	3,628

[1] Households receiving money from Aid to Families with Dependent Children program, Supplemental Security Income program or other public assistance programs.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-60, No. 155 and earlier and forthcoming reports.

No. 570. Cash and Noncash Benefits for Persons With Limited Income: 1985 to 1987

[For years ending September 30, except as noted. Programs covered in this table provide cash, goods, or services to persons who make no payment and render no service in return. In case of job and training programs and some educational benefits, recipients must work or study for wages, training allowances, stipends, grants, or loans. Most of the programs base eligibility on individual, household, or family income, but some use group or area income tests; and a few offer help on the basis of presumed need]

PROGRAM	AVERAGE MONTHLY RECIPIENTS (1,000)			EXPENDITURES (mil. dol.)					
				Total [1]			Federal		
	1985	1986	1987	1985	1986	1987	1985	1986	1987
Total	(X)	(X)	(X)	**143,525**	**149,705**	**158,735**	**106,404**	**108,269**	**114,912**
Medical care [2]	(X)	(X)	(X)	49,561	52,997	60,592	27,737	29,771	34,956
Medicaid [3]	[4] 21,814	[4] 22,518	[4] 23,335	41,150	44,442	50,010	22,844	24,767	27,960
Veterans [5]	[6] 504	[6] 361	[6] 369	[7] 3,053	[7] 3,183	[7] 5,035	[7] 3,063	[7] 3,183	[7] 5,035
General assistance	(NA)	(NA)	(NA)	[7] 3,125	[7] 3,259	[7] 3,370	–	–	–
Indian Health Services	[8] 931	[8] 990	[8] 1,017	862	854	929	862	854	929
Maternal and child health services	(NA)	(NA)	(NA)	783	749	813	478	457	497
Community health centers	[8] 5,200	[8] 5,350	[8] 5,500	383	396	420	383	396	420
Cash aid [2]	(X)	(X)	(X)	38,119	40,952	42,542	24,969	26,887	27,925
A.F.D.C. [3] [9]	10,813	10,995	11,064	16,736	17,757	18,440	8,909	9,536	9,987
Supplemental Security Income [3]	4,305	4,450	4,569	11,857	12,823	13,743	[10] 9,603	[10] 10,308	[10] 10,832
Pensions for needy veterans [11]	[12] 1,489	[12] 1,397	[12] 1,311	3,842	3,874	3,793	3,842	3,874	3,793
General assistance	[7] 1,323	[7] 1,334	[7] 1,193	[7] 2,499	[7] 2,636	[7] 2,537	–	–	–
Earned income tax credit	[7] 17,313	[7] 19,197	[7] 18,807	1,645	2,084	2,053	1,645	2,084	2,053
Food benefits [2]	(X)	(X)	(X)	20,391	20,226	21,004	19,362	19,146	19,837
Food stamps [3] [13]	21,400	20,900	20,600	13,470	13,441	12,479	12,599	12,529	12,479
School lunch program [14]	[15] 11,500	[15] 11,600	[15] 11,600	[16] 2,665	[16] 2,948	[16] 3,281	[16] 2,665	[16] 2,948	[16] 3,281
Women, infants and children [17]	3,138	3,312	3,430	1,500	1,581	1,664	1,500	1,581	1,664
Temporary emergency food assistance	(NA)	[18] 15,000	(NA)	1,327	771	896	1,327	771	896
Nutrition program for elderly [19]	[8] 3,630	[8] 3,584	[8] 3,522	614	625	649	456	457	478
Housing benefits [2]	(X)	(X)	(X)	14,113	13,245	13,191	14,113	13,245	13,191
Lower-income housing asst. (Sec. 8)	[20] 2,010	[20] 2,143	[20] 2,240	6,818	7,430	8,125	6,818	7,430	8,125
Low-rent public housing	[20] 1,355	[20] 1,380	[20] 1,390	3,408	2,882	2,161	3,408	2,882	2,161
Rural housing loans	[21] 41	[21] 26	[21] 24	[22] 1,790	[22] 1,155	[22] 1,144	[22] 1,790	[22] 1,155	[22] 1,144
Interest reduction payments	[21] 528	[21] 529	[21] 528	619	633	638	619	633	638
Rural rental housing loans	[21] 26	[21] 21	[21] 17	[22] 903	[22] 652	[22] 555	[22] 903	[22] 652	[22] 555
Education aid [2]	(X)	(X)	(X)	9,970	10,589	10,223	9,516	10,101	9,722
Pell grants	[23] 2,797	[23] 2,881	[23] 2,745	[24] 2,800	[24] 3,862	[24] 3,580	[24] 2,800	[24] 3,862	[24] 3,580
Guaranteed student loans	[23] 3,477	[23] 3,242	[23] 3,300	[25] 3,888	[25] 3,288	[25] 3,179	[25] 3,888	[25] 3,288	[25] 3,179
Head Start	448	448	447	1,309	1,266	1,378	1,047	1,013	1,102
College Work-Study Program	[23] 737	[23] 728	[23] 753	[24] 555	[24] 593	[24] 567	[24] 555	[24] 593	[24] 567
Supplemental Educational Opportunity Grants	[23] 720	[23] 686	[23] 689	[24] 375	[24] 413	[24] 395	[24] 375	[24] 413	[24] 395
Jobs and training [2]	(X)	(X)	(X)	3,976	3,699	3,853	3,695	3,626	3,782
Training for disadvantaged adults and youth [26]	[27] 350	[27] 337	[27] 393	[28] 1,886	[28] 1,783	[28] 1,840	[28] 1,886	[28] 1,783	[28] 1,840
Summer youth employment program [26]	[29] 785	[29] 634	[29] 723	[28] 725	[28] 636	[28] 750	[28] 725	[28] 636	[28] 750
Job Corps [26]	[27] 41	[27] 41	[27] 41	[28] 617	[28] 613	[28] 656	[28] 617	[28] 613	[28] 656
Senior community service employment program	[30] 64	[30] 61	[30] 66	[28] 362	[28] 346	[28] 373	[28] 326	[28] 312	[28] 336
Work incentive program	[31] 1,013	[31] 870	[31] 914	297	234	140	267	211	126
Services [2]	(X)	(X)	(X)	5,084	4,844	5,126	3,551	3,390	3,607
Social services (Title 20) [32]	(NA)	(NA)	(NA)	4,258	4,038	4,219	2,725	2,584	2,700
Community services block grant	(X)	(X)	(X)	372	355	409	372	355	409
Energy assistance [2]	(X)	(X)	(X)	2,292	2,153	2,104	2,261	2,103	1,892
Low-income energy assistance [3]	[33] 6,800	[33] 6,700	[33] 6,300	[34] 2,095	[34] 1,965	[34] 1,938	2,070	1,921	1,731

– Represents zero. NA Not available. X Not applicable. [1] Includes State and local government expenditures not hown separately. [2] Includes other programs not shown separately. [3] Expenditure data include administrative expenses. [4] Unduplicated annual number. [5] Medical care for veterans with a non-service-connected disability. [6] Estimated number of atients discharged from hospital during year. [7] Estimated. [8] Annual numbers. [9] Aid to Families with Dependent Children rogram. Excludes data for foster care program and child support operations (cost and collections). [10] Excludes Federal sums pent for SSI (State supplements) to Indochinese refugees. [11] Includes dependents and survivors. [12] Estimate as of eptember. [13] Includes Puerto Rico's nutritional assistance program. [14] Free and reduced-price segments. [15] Estimated ly average. [16] Includes estimate of commodity assistance. [17] Special supplemental food program for women, infants and ildren. [18] Estimate. As of October. [19] No income test required but preference given to those with greatest need. [20] Units eligible for payment at end of year. [21] Represents total families or dwelling units during year. [22] Amount of loans bligated. [23] Total numbers for the school year ending in year shown. [24] Appropriation available for school year ending the cal year named. [25] Net obligations for school year beginning in fiscal year named. [26] Programs represent specific titles der the Job Training and Partnership Act (JTPA). [27] Average monthly enrollment for program year. [28] Federal funds are propriations. [29] Total participants (June–August). [30] Annual number of jobs authorized. [31] New registrants only. [32] Non-Federal expenditure data are rough estimates. [33] Number of households that received heating aid. [34] State ending includes funds received as "oil overcharge" settlements.

Source: Library of Congress, Congressional Research Service, "Cash and Noncash Benefits for Persons With Limited Income: gibility Rules, Recipient and Expenditure Data, FY 1985–87," Report No. 88-526 EPW, August 1988.

NO. 571. SOCIAL INSURANCE AND RELATED PROGRAMS—CASH BENEFICIARIES AND BENEFITS, BY PROGRAM: 1980 TO 1986

[Includes some beneficiaries and benefit payments for some programs in outlying areas. OASDHI=Old-age, survivors, disability, and health insurance, Federal programs under Social Security Act; see text, section 12. Partly estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 125–171]

PROGRAM	BENEFICIARIES [1] (1,000)					AMOUNT OF BENEFITS (mil. dol.)				
	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
Total	(X)	(X)	(X)	(X)	(X)	**207,797**	**275,108**	**283,238**	**302,827**	**318,436**
Percent of personal income	(X)	(X)	(X)	(X)	(X)	9.2	9.7	9.1	9.1	9.0
Retirement [2]	(X)	(X)	(X)	(X)	(X)	**113,252**	**161,327**	**175,504**	**188,760**	[illegible]
OASDHI	22,267	24,749	25,237	25,739	26,157	77,905	114,048	123,804	132,298	140,418
Public employee retirement	4,208	4,657	5,128	5,313	5,495	32,416	43,581	47,938	52,600	55,822
Federal civil service	913	1,015	1,057	1,122	1,166	10,227	14,003	15,245	16,111	16,792
Other Federal employee [3]	1,149	1,239	1,261	1,283	1,299	11,397	14,854	15,316	16,078	16,262
State and local government	2,146	2,403	2,809	2,907	3,030	10,792	14,724	17,377	20,411	22,677
Railroad retirement	589	580	592	586	575	2,931	3,696	3,762	3,862	3,943
Disability [2] [4]	(X)	(X)	(X)	(X)	(X)	**39,659**	**48,060**	**48,505**	**52,054**	[illegible]
OASDHI	4,729	3,875	3,808	3,873	3,715	15,437	17,530	17,732	18,647	19,524
Public employee retirement	720	786	730	689	692	5,371	7,351	6,221	6,697	7,083
Federal civil service	355	395	363	332	326	2,885	3,913	3,221	3,404	3,546
Other Federal employee [3]	157	145	144	144	144	1,275	1,452	1,436	1,459	1,437
State and local government	208	246	223	213	222	1,211	1,967	1,565	1,834	[illegible]
Railroad retirement	95	89	87	85	84	564	674	661	696	708
Veterans Admin. programs [3]	3,194	3,030	2,965	2,933	2,894	8,602	10,489	10,578	10,748	[illegible]
Workers' compensation	(NA)	(NA)	(NA)	(NA)	(NA)	7,245	9,514	10,845	12,584	14,132
Black lung benefit program	252	134	172	156	140	1,077	871	822	795	[illegible]
Temporary disability:										
State insurance [5]	199	224	191	67	148	1,300	1,580	1,584	1,844	1,977
Railroad insurance	14	13	11	11	12	63	50	42	43	52
Survivor monthly benefits	(X)	(X)	(X)	(X)	(X)	**34,986**	**45,615**	**44,851**	**46,296**	**46,712**
OASDHI	8,260	7,310	7,196	7,162	7,127	26,654	35,164	33,917	34,607	33,785
Public employee retirement	763	842	836	872	911	2,895	4,078	4,431	4,768	5,089
Federal civil service	439	503	490	501	516	1,930	2,677	3,006	3,177	3,311
Other Federal employee [3]	71	93	104	114	128	301	498	553	616	677
State and local government	253	246	242	257	267	664	903	872	975	1,084
Railroad retirement	330	310	322	311	289	1,372	1,671	1,679	1,702	1,722
Veterans Admin. programs [3]	1,465	1,227	1,157	1,082	1,035	2,755	3,192	3,230	3,310	3,375
Workers' compensation	(NA)	(NA)	(NA)	(NA)	(NA)	675	810	885	960	1,101
Black lung benefit program	158	200	151	148	144	635	700	710	730	[illegible]
Lump-sum payments	(X)	(X)	(X)	(X)	(X)	**984**	**823**	**738**	**956**	**1,212**
OASDHI	(X)	(X)	(X)	(X)	(X)	395	205	168	143	136
Public employee retirement	(X)	(X)	(X)	(X)	(X)	377	491	434	680	1,046
Federal civil service	(X)	(X)	(X)	(X)	(X)	23	34	37	34	47
Other Federal employee	(X)	(X)	(X)	(X)	(X)	3	5	6	6	6
State and local government	(X)	(X)	(X)	(X)	(X)	352	452	391	640	982
Railroad retirement	(X)	(X)	(X)	(X)	(X)	14	11	11	9	10
Veterans Admin. programs [6]	(X)	(X)	(X)	(X)	(X)	178	116	123	124	120
Unemployment	(X)	(X)	(X)	(X)	(X)	**18,935**	**19,281**	**13,643**	**14,761**	**16,116**
State unemployment insurance [7]	2,830	2,337	2,167	2,409	2,391	18,756	18,992	13,495	14,629	[illegible]
Railroad unemployment insurance	38	43	28	29	24	179	289	148	132	128

NA Not available. X Not applicable. [1] For old-age, survivors, disability, and health insurance, average monthly number; for public employee retirement systems, railroad retirement program, veterans programs, and the black lung benefit program, number on rolls June 30; for State unemployment and temporary disability insurance, average weekly number; for railroad unemployment and temporary disability insurance, average number during 14-day registration period. [2] Includes benefits to dependents where applicable. [3] Benefits for career military personnel (those with 20 years' service) are paid by the U.S. Dept. of Defense and are included under "Other Federal employee". [4] Excludes payments for medical care. [5] Payable in CA, NJ, NY, RI, and PR under public and private plans. Data for beneficiaries in NJ not available. [6] Lump sums are for burial of deceased veterans. [7] Includes payments made by the States as agents of the Federal Government under the Federal employees' unemployment compensation program and under the Ex-Servicemen's Compensation Act of 1958, and payment under the extended unemployment insurance programs, the Trade Expansion Act of 1962, the Disaster Relief Act of 1970 and the Trade Act of 1974. Beginning 1983, payments cover State unemployment insurance and Ex-Servicemen's Compensation Act only. Beneficiaries relate to regular State unemployment insurance, Federal employee (1980), and ex-servicemen programs only. Includes Puerto Rico.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

NO. 572. ESTIMATED WORKERS UNDER SOCIAL INSURANCE PROGRAMS: 1960 TO 1987

[In millions. As of December, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series H 51-56]

EMPLOYMENT AND COVERAGE STATUS	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total labor force [1] [2]	73.1	86.2	96.2	109.1	110.7	112.7	113.5	115.7	117.5	119.8	122.0
Paid civilian population	64.6	77.6	86.0	98.9	99.0	98.4	102.2	105.5	107.7	110.3	113.7
Unpaid family workers	1.4	.8	.7	.6	.5	.5	.6	.5	.4	.3	.4
Unemployed	4.5	2.6	7.3	7.4	9.0	11.6	9.0	8.0	7.7	7.5	6.5
Armed Forces [2]	2.5	3.4	2.2	2.1	2.2	2.2	1.7	1.7	1.7	1.7	1.7
Civilian population covered by:											
Public retirement programs	60.9	75.3	83.7	96.4	96.4	95.7	99.5	104.7	106.9	109.7	113.3
OASDHI [3]	55.4	69.2	77.0	89.3	89.5	88.9	92.7	97.5	99.7	102.5	106.1
Railroad retirement	.9	.6	.5	.5	.5	.4	.4	.4	.3	.3	.3
Public employees retirement [4]	4.6	5.5	6.2	6.6	6.4	6.4	6.4	6.8	6.9	6.9	6.9
Unemployment insurance	43.7	55.8	68.7	87.2	86.9	87.9	91.3	95.8	98.2	100.2	103.7
Workers' compensation	44.6	59.0	68.6	79.1	78.6	78.1	80.5	83.4	85.1	87.2	(NA)
Temporary disability insurance	11.3	14.6	15.7	18.4	18.4	18.1	18.7	19.3	19.6	20.3	(NA)

NA Not available. [1] Data from U.S. Bureau of Labor Statistics and based on U.S. Bureau of the Census' Current Population Survey; see text, section 1, and Appendix III. [2] Excludes Armed Forces overseas beginning 1983. [3] OASDHI=Old-age, survivors, disability, and health insurance. Excludes members of Armed Forces and railroad employees. [4] Data represent yearly averages. Excludes State and local government employees covered by both OASDHI and their own retirement program.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin.*

NO. 573. SELECTED SOCIAL INSURANCE PROGRAMS—ESTIMATED PAYROLLS OF COVERED EMPLOYMENT IN RELATION TO WAGES AND SALARIES: 1970 TO 1986

[In billions of dollars, except percent. Data for Federal civilian and military personnel cover all areas. Gross amount before deduction of social insurance contributions. OASDHI: Old-age, survivors, disability, and health insurance programs under Social Security Act; see text, section 12. See also *Historical Statistics, Colonial Times to 1970*, series H 57-69]

PROGRAM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total earnings [1]	615	896	1,370	1,534	1,613	1,717	1,868	2,074	2,232	2,379
All wages and salaries [1]	549	806	1,238	1,357	1,493	1,586	1,686	1,837	1,975	2,089
Civilian	528	783	1,211	1,327	1,458	1,528	1,619	1,775	1,926	2,039
Payrolls covered by:										
Retirement programs [2]	528	783	1,207	1,326	1,451	1,531	1,614	1,767	1,904	2,016
OASDHI [3] [4]	480	713	1,118	1,229	1,348	1,422	1,500	1,649	1,779	1,885
Railroad retirement [3]	6	8	12	13	13	12	12	13	13	12
Federal civil service	26	37	48	52	56	59	62	65	70	73
State and local government	53	87	118	131	142	154	166	178	175	190
Unemployment insurance [3]	369	653	1,134	1,243	1,367	1,503	1,582	1,731	1,870	1,983
Workers' compensation program [5]	437	672	1,041	1,136	1,247	1,301	1,382	1,516	1,618	1,725
Net earnings in self-employment covered by OASDHI	48	70	100	97	94	98	108	120	122	132
Percent of civilian payrolls covered by—										
OASDHI [3] [6]	90.9	91.1	92.3	92.6	92.5	93.1	92.6	92.9	92.4	92.5
Railroad retirement [3]	1.2	1.1	1.0	1.0	.9	.8	.7	.7	.7	.6
Federal civil service retirement	5.0	4.7	4.0	3.9	3.8	3.9	3.8	3.7	3.6	3.6
State and local government retirement	10.1	11.1	9.7	9.9	9.7	10.1	10.3	10.1	9.1	9.3
Unemployment insurance [3]	73.7	83.4	93.5	93.7	93.8	96.4	97.7	97.5	97.1	97.3
Workers' compensation programs [5]	82.8	85.8	84.6	86.7	85.6	85.1	85.4	85.4	84.0	84.6

[1] Data from U.S. Bureau of Economic Analysis. Earnings include self-employed; wages and salaries represent civilian and military pay in cash and in kind. [2] Adjusted for duplication in coverage by both OASDHI and State and local government retirement systems. [3] Taxable plus estimated nontaxable wages and salaries. [4] Includes Armed Forces in all areas. [5] Payrolls of employers insured with private carriers, State funds, or self-insured, and pay covered by Federal programs in all areas. [6] Percent computed after excluding Armed Forces payroll covered by OASDHI.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

No. 574. Selected Social Insurance Programs—Source of Funds From Contributions and Transfers: 1970 to 1987

[In millions of dollars]

PROGRAM AND SOURCE OF FUNDS	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Social Security trust funds:										
Old-age and survivors insurance (OASI)	30,705	57,241	103,996	123,301	124,353	143,878	167,062	182,368	194,325	[illegible]
Employer	14,489	27,184	49,731	58,972	59,106	63,935	78,110	83,682	90,261	[illegible]
Employee	14,204	26,947	49,436	58,656	58,918	63,731	73,991	83,400	89,796	[illegible]
Self-employed	1,564	2,684	4,289	4,999	5,649	5,049	6,632	7,720	8,755	10,122
Government [1]	449	425	540	675	680	11,162	887	2,529	486	[illegible]
Tax credits [2]	(X)	(X)	(X)	(X)	(X)	(X)	4,607	1,829	1,606	[illegible]
Taxation of benefits [3]	(X)	(X)	(X)	(X)	(X)	(X)	2,835	3,208	3,424	[illegible]
Disability insurance (DI)	4,497	7,534	13,385	16,906	22,199	19,112	16,135	18,430	18,637	[illegible]
Employer	2,154	3,562	6,307	8,074	10,597	8,379	7,536	8,119	8,703	[illegible]
Employee	2,117	3,530	6,254	8,035	10,574	8,339	7,134	8,067	8,658	[illegible]
Self-employed	210	352	694	629	824	830	741	776	856	[illegible]
Government [1]	16	90	130	168	174	1,565	92	1,048	31	21
Tax credits [2]	(X)	(X)	(X)	(X)	(X)	(X)	441	178	152	[illegible]
Taxation of benefits [3]	(X)	(X)	(X)	(X)	(X)	(X)	190	222	238	[illegible]
Hospital insurance (HI) [4]	5,820	12,316	24,982	34,157	35,976	41,283	43,571	48,035	55,648	[illegible]
Employer	2,379	5,578	11,591	16,007	16,791	18,187	20,396	22,613	25,966	[illegible]
Employee	2,332	5,530	11,518	16,015	16,734	18,128	20,356	22,549	25,879	[illegible]
Self-employed	169	395	739	856	1,061	943	1,381	1,970	2,308	[illegible]
Government [1]	874	670	871	900	1,015	3,639	899	47	657	[illegible]
Supplementary medical insurance (SMI) [5]	2,189	4,566	10,468	15,013	15,981	19,097	22,221	23,863	23,524	[illegible]
Aged	1,096	1,759	2,707	3,356	3,341	3,846	4,721	5,106	5,218	6,747
Disabled	(X)	158	307	366	356	391	445	508	504	[illegible]
Government	1,093	2,648	7,455	11,291	12,284	14,861	17,054	18,250	17,802	[illegible]
Railroad retirement [6]	968	1,506	2,630	2,627	3,304	3,604	[4] 4,803	[4] 4,988	[4] 4,811	(NA)
Employer	510	1,146	1,722	1,817	2,036	2,014	2,379	2,417	2,413	(NA)
Employee	439	356	594	684	858	849	1,022	1,110	1,120	(NA)
Government [1]	19	4	313	126	410	741	1,066	1,099	873	(NA)
Federal civil service	3,870	9,507	19,986	22,554	23,964	25,124	25,566	27,160	(NA)	(NA)
Employer (Federal and DC govt.)	2,001	6,905	16,220	18,506	19,736	20,673	20,900	22,472	(NA)	(NA)
Employee [7]	1,869	2,600	3,766	4,048	4,228	4,451	4,666	4,688	(NA)	(NA)
State and local government [8]	7,895	14,560	25,654	27,896	30,782	32,790	34,309	(NA)	(NA)	(NA)
Employer (government)	4,920	9,880	18,776	20,190	22,366	24,050	25,305	(NA)	(NA)	(NA)
Employee	2,975	4,680	6,878	7,706	8,416	8,740	9,004	(NA)	(NA)	(NA)

NA Not available. X Not applicable.

[1] Represents cost of gratuitous military service wage credits and, for OASI only, Federal payments for special age-72 benefits. For HI only, also includes transfers of appropriations for HI benefits of persons not insured for cash benefits under OASI, DI, or railroad retirement and, beginning 1980, transfers for Professional Standards Review Organization expenditures. Beginning 1983, includes taxes on deemed wage credits for military service performed after 1956. [2] See footnotes 4, 5, and 6, table 576.

[3] Revenues arising from application of income tax to up to half of the social security benefits of beneficiaries who have substantial amounts of other income. Minus sign (–) indicates tax refunds. [4] Includes other sources not shown separately.

[5] Includes premiums paid on behalf of eligibles by State governments under "buy-in" arrangements. [6] Excludes HI contributions and includes employer contributions to supplement benefit account. [7] Includes voluntary contributions to purchase additional annuity. [8] Estimated.

No. 575. Social Security (OASDI)—Covered Employment and Earnings: 1970 to 1987

[Includes Puerto Rico, Virgin Islands, American Samoa, and Guam. OASDI: Old-age, survivors, and disability insurance. Represents all reported employment. Data are estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 172-185]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Living covered workers [1]	Million	133.5	145.2	159.0	161.5	163.4	165.6	167.6	169.5	171.4	173.3
With insured status [2]	Million	105.3	120.0	136.7	140.3	142.9	144.5	145.9	147.9	150.5	152.7
Male	Million	61.7	68.1	75.4	76.8	77.7	78.2	78.8	79.6	80.6	81.5
Female	Million	43.6	51.9	61.3	63.5	65.1	66.2	67.2	68.3	69.9	71.2
Under 25 years old	Million	17.7	21.6	25.3	26.0	25.3	24.4	23.1	22.2	21.9	21.4
25-34 years old	Million	22.2	28.5	34.8	36.4	37.3	38.0	38.6	39.3	40.1	40.7
35-44 years old	Million	19.0	19.1	22.4	23.1	24.4	25.9	27.2	28.6	29.9	31.3
45-54 years old	Million	19.2	19.4	18.7	18.6	18.5	18.6	18.8	19.0	19.3	[illegible]
55-61 years old	Million	10.5	11.6	12.6	12.7	12.8	12.8	12.7	12.6	12.6	12.4
62-64 years old	Million	3.7	4.2	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2
65-69 years old	Million	5.0	5.9	6.7	6.8	7.0	7.0	7.1	7.3	7.5	[illegible]
70 years old and over	Million	8.0	9.7	11.7	12.0	12.6	13.0	13.4	13.8	14.0	14.3
Workers reported with—											
Taxable earnings [3]	Million	93	100	114	116	113	113	119	122	125	[illegible]
Maximum earnings [3]	Million	24	15	10	9	8	7	7	7	7	7
Earnings in covered employment	Bil. dol	532	787	1,321	1,448	1,512	1,608	1,770	1,907	2,038	[illegible]
Reported taxable [3]	Bil. dol	416	665	1,175	1,301	1,357	1,449	1,603	1,719	1,844	[illegible]
Percent of total	Percent	78.2	84.5	88.9	89.8	89.7	90.1	90.6	90.1	90.5	[illegible]
Average per worker:											
Total earnings	Dollar	5,711	7,854	11,558	12,521	13,431	14,183	14,926	15,653	16,371	[illegible]
Taxable earnings [3]	Dollar	4,464	6,634	10,282	11,250	12,046	12,776	13,522	14,113	14,810	[illegible]

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[1] Estimated number of persons who had covered employment at any time during the period 1937 to year shown; not adjusted to reflect effect of (a) provisions that coordinate the OASDI and railroad retirement programs and (b) wage credits for military service. Only partially adjusted to eliminate duplicate count of persons with taxable earnings reported on more than one account number; effect of such duplication is substantially less significant for the insured than for the uninsured. Includes persons currently insured and not insured, not shown seperately. [2] Fully insured for retirement and/or survivor benefits as of beginning of year. [3] Includes self-employment. See table 576 for maximum taxable earnings.

Source of tables 574 and 575: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

No. 576. Social Security (OASDHI)—Contribution Rates: 1970 to 1990

[As of January 1, except as noted. Effect of changes represents first full-year effect on contributions of changes in taxable wage base and combined tax rate. OASDI=Old-age, survivors, and disability insurance; HI=Hospital insurance]

YEAR	Annual maximum taxable earnings (dol.)	Maximum tax (dol.)	CONTRIBUTION RATES (percent): Each employer and employee: Total	Each employer and employee: OASDI	Each employer and employee: HI	Self-employed: Total	Self-employed: OASDI	Self-employed: HI	Supplementary medical insurance, monthly rate (dol.)	EFFECT ON CONTRIBUTIONS OF CHANGES IN WAGE BASE AND/OR TAX RATE (bil. dol.): Total	Wage base	Tax rate
effect:												
1970	7,800	374	4.80	4.20	.60	6.90	6.30	.60	[1] 5.30	(2)	(2)	(2)
1975	14,100	825	5.85	4.95	.90	7.90	7.00	.90	6.70	1.4	1.4	(2)
1980	25,900	1,588	6.13	5.08	1.05	8.10	7.05	1.05	[1] 9.60	3.6	3.6	(2)
1981	29,700	1,975	6.65	5.35	1.30	9.30	8.00	1.30	[1] 11.00	16.9	4.2	12.7
1982	32,400	2,171	6.70	5.40	1.30	9.35	8.05	1.30	[1] 12.20	4.1	2.8	1.3
1983	35,700	2,392	6.70	5.40	1.30	9.35	8.05	1.30	12.20	3.1	3.1	(2)
1984	37,800	[3] 2,533	[4] 7.00	5.70	1.30	[5] 14.00	11.40	2.60	14.60	[6] 10.9	1.9	[6] 9.0
1985	39,600	2,792	7.05	5.70	1.35	[5] 14.10	11.40	2.70	15.50	3.4	1.7	1.7
1986	42,000	3,003	7.15	5.70	1.45	[5] 14.30	11.40	2.90	15.50	6.2	2.5	3.7
1987	43,800	3,132	7.15	5.70	1.45	[5] 14.30	11.40	2.90	17.90	2.2	2.2	(2)
1988	45,000	3,380	7.51	6.06	1.45	[5] 15.02	12.12	2.90	24.80	16.4	1.3	15.1
1989	(7)	(7)	7.51	6.06	1.45	[5] 15.02	12.12	2.90	(NA)	(NA)	(NA)	(NA)
ture schedule:												
1990 and thereafter	(7)	(7)	7.65	6.20	1.45	15.30	12.40	2.90	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Effective July 1. [2] No increase occurred. [3] Employee's maximum tax; see footnote 4. [4] Em-
yee pays 6.7 percent. Employee's additional .3 percent is supplied from general revenues. [5] Self-employed pays 11.3
cent in 1984, 11.8 percent in 1985, 12.3 percent in 1986 and 1987, and 13.02 percent in 1988 and 1989. The additional
ount is supplied from general revenues. [6] $4.5 billion of this increase was offset by employee tax credit. [7] Will be
usted by Federal law to reflect increasing average earnings levels.

ource: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

No. 577. Social Security Trust Funds: 1970 to 1987

[In millions of dollars, except percent. See also *Historical Statistics, Colonial Times to 1970*, series H 236–242]

TYPE OF TRUST FUND	1970	1975	1980	1982	1983	1984	1985	1986	1987
-age and survivors insurance (OASI):									
et contribution income [1]	30,256	56,816	103,456	123,673	138,337	166,957	180,165	194,165	205,992
ransfers from general revenue [2]	449	425	540	680	5,541	105	2,203	160	55
terest received [3]	1,515	2,364	1,845	845	6,706	2,566	1,871	3,069	4,660
enefit payments [4]	28,798	58,517	105,083	[5] 138,806	149,221	157,841	167,248	176,813	183,587
ssets, end of year	32,454	36,987	22,823	[8] 22,088	[8] 19,672	[8] 27,117	[8] 35,842	39,081	62,149
eserve ratio [7] (percent)	111	62	21	16	13	17	21	22	33
bility insurance (DI):									
t contribution income [1]	4,481	7,444	13,255	21,995	17,991	16,135	17,413	18,637	19,655
ansfers from general revenue [2]	16	90	130	174	1,121	-	1,017	-	-
terest received [3]	277	502	485	546	1,569	1,174	870	803	648
enefit payments [4]	3,085	8,505	15,515	[5] 17,376	17,524	17,898	18,827	19,853	20,519
ssets, end of year	5,614	7,354	3,629	[8] 2,691	[8] 5,195	[8] 3,959	[8] 6,321	7,780	6,658
eserve ratio [7] (percent)	174	84	23	15	29	21	33	38	31
pital insurance (HI):									
t contribution income [1, 9]	4,881	11,509	23,868	34,610	38,169	42,488	47,617	54,626	58,367
ansfers from general revenue [10]	874	670	871	1,015	2,756	752	47	657	447
erest received [3]	158	663	1,149	2,022	3,285	3,150	3,362	3,619	4,874
nefit payments	5,124	11,315	25,064	35,631	39,337	43,257	47,480	49,758	49,496
ssets, end of year	3,202	10,517	13,749	[11] 8,164	[11] 12,858	[11] 15,691	[11] 20,499	39,957	53,732
serve ratio [7] (percent)	61	91	54	23	32	36	42	79	107
lementary medical insurance (SMI):									
t premium income	1,096	1,918	3,011	[12] 3,697	4,236	5,167	5,613	5,722	7,409
nsfers from general revenue	1,093	2,648	7,455	[12] 12,284	14,861	17,054	18,250	17,802	23,560
erest received	12	106	408	599	725	959	1,243	1,141	875
nefit payments	1,975	4,273	10,635	15,455	18,106	19,661	22,947	26,239	30,820
sets, end of year	188	1,444	4,530	6,230	7,070	9,698	10,924	8,291	8,394
serve ratio [7] (percent)	8	30	40	38	37	47	46	30	26

Represents zero. [1] Includes deposits by States and deductions for refund of estimated employee-tax overpayment.
ning in 1983, includes government contributions on deemed wage credits for military service in 1957 and later. Beginning
includes tax credits on wages paid in 1984 and net earnings from self-employment in 1984–87; and taxation of benefits.
cludes payments (1) for costs of noncontributory wage credits for military service performed before 1957; (2) in 1975–82, for
of deemed wage credits for military service performed after 1956; and, for OASI only, (3) for costs of benefits to certain
ured persons who attained age 72 before 1968. [3] Beginning in 1983, includes interest on advance tax transfers and
t on reimbursement for unnegotiated checks. Data for 1983 and 1984 reflect interest on deemed wage credits for military
e performed after 1956. Data for 1982–1986 reflect interest on interfund borrowing. [4] Includes payments for vocational
ilitation services furnished to disabled persons receiving benefits because of their disabilities. Beginning in 1983, amounts
t deductions for unnegotiated benefit checks. [5] Data adjusted to reflect 12 months of benefit payments. [6] Includes $18
borrowed from the DI and HI Trust Funds. Repayments on Jan. 31, 1985, reduced such amounts to $13.2 billion.
ssets at end of year as a percentage of benefit payments and administrative expenses during the year. [8] Excludes $5
lent to the OASI Trust Fund. Repayment on Jan. 31, 1985, reduced the total to $2.5 billion. [9] Beginning in 1975, includes
ums from aged ineligibles enrolled in HI. [10] Represents Federal Government transfers from general-fund appropriations to
costs of benefits for persons not insured for cash benefits under OASDI-HI or railroad retirement and for costs of benefits
from military wage credits. [11] Excludes $12 billion lent to the OASI Trust Fund. Repayment on Jan. 31, 1985, reduced
al to $10.6 billion. [12] Data adjusted to reflect 12 months of premium and general revenue income.

rce: U.S. Social Security Administration, *Annual Report of Board of Trustees, OASI, DI, HI, and SMI Trust Funds*. Also
hed in *Social Security Bulletin*, monthly.

NO. 578. SOCIAL SECURITY (OASDI)—BENEFITS, BY TYPE OF BENEFICIARY: 1970 TO 1987

[A person eligible to receive more than one type of benefit is generally classified or counted only once as a retired-worker beneficiary. OASDI=Old-age, survivors, and disability insurance. See also headnote, table 575; Appendix III; and *Historical Statistics, Colonial Times to 1970*, series H 197-229]

TYPE OF BENEFICIARY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
	BENEFITS IN CURRENT-PAYMENT STATUS [1] (end of year)									
Number of benefits (1,000)	**26,229**	**32,086**	**35,585**	**36,006**	**35,839**	**36,085**	**36,479**	**37,058**	**37,703**	**38,190**
Retired workers [2] (1,000)	13,349	16,588	19,562	20,195	20,763	21,419	21,906	22,432	22,980	23,440
Disabled workers [3] (1,000)	1,493	2,489	2,859	2,777	2,604	2,569	2,597	2,657	2,728	2,786
Wives and husbands [2] [4] (1,000)	2,952	3,320	3,477	3,459	3,405	3,347	3,355	3,375	3,387	3,281
Children (1,000)	4,122	4,972	4,607	4,430	3,883	3,593	3,408	3,319	3,295	3,244
Under age 18	3,315	3,835	3,423	3,206	2,934	2,812	2,729	2,699	2,665	2,604
Disabled children [5]	271	362	450	463	472	488	506	526	545	561
Students [6]	537	774	733	761	476	293	173	94	84	79
Of retired workers	546	642	639	633	558	512	477	457	450	440
Of deceased workers	2,688	2,919	2,610	2,546	2,321	2,146	2,010	1,917	1,878	1,836
Of disabled workers	889	1,411	1,358	1,252	1,004	936	921	945	966	968
Widowed mothers [7] (1,000)	523	582	562	548	515	400	382	372	351	329
Widows and widowers [2] [8] (1,000)	3,227	3,889	4,411	4,508	4,595	4,694	4,779	4,863	4,928	4,984
Parents [2] (1,000)	29	21	15	14	12	11	10	10	9	8
Special benefits [9] (1,000)	534	224	93	76	63	51	40	32	25	19
Average monthly benefit, current dollars:										
Retired workers [2]	118	207	341	386	419	441	461	479	489	513
Retired worker and wife [2]	199	344	567	(NA)	702	743	780	814	831	873
Disabled workers [3]	131	226	371	413	441	456	471	484	488	508
Wives and husbands [2] [4]	59	100	164	186	203	217	227	236	241	253
Children of retired workers	45	77	140	161	165	176	186	198	204	216
Children of deceased workers	82	139	240	271	285	298	314	330	337	352
Children of disabled workers	39	62	110	123	128	136	139	142	141	148
Widowed mothers [7]	87	147	246	277	303	309	322	332	338	353
Widows and widowers, nondisabled [2]	102	194	311	349	379	396	415	433	444	468
Parents [2]	103	172	276	310	335	350	364	378	386	407
Special benefits [9]	45	69	105	116	125	129	134	138	140	145
Average monthly benefit, constant (1987) dollars: [10]										
Retired workers [2]	342	430	456	474	495	502	505	506	511	513
Retired worker and wife [2]	577	715	758	(NA)	830	846	855	860	868	873
Disabled workers [3]	380	470	496	507	521	519	516	511	509	508
Wives and husbands [2] [4]	171	208	219	228	240	247	249	249	252	253
Children of deceased workers	238	289	321	333	337	339	344	348	353	352
Widowed mothers [7]	252	306	329	340	358	352	353	351	353	353
Widows and widowers, nondisabled [2]	296	403	416	429	448	451	455	457	464	468
	BENEFITS AWARDED DURING YEAR (1,000)									
Number of benefits	**3,722**	**4,427**	**4,215**	**4,059**	**3,859**	**3,756**	**3,691**	**3,796**	**3,853**	**3,734**
Retired workers [2]	1,338	1,506	1,620	1,600	1,625	1,670	1,607	1,690	1,734	1,682
Disabled workers [3]	350	592	389	345	299	311	362	377	417	419
Wives and husbands [2] [4]	436	499	469	437	430	436	425	440	441	411
Children	1,091	1,332	1,174	1,094	922	753	722	714	701	665
Widowed mothers [7]	112	116	108	100	87	82	74	72	69	65
Widows and widowers [2] [8]	363	377	452	481	495	502	500	502	491	475
Parents [2]	2	1	1	1	1	(Z)	(Z)	(Z)	(Z)	(Z)
Special benefits [9]	30	4	1	1	1	1	1	1	(Z)	(Z)
	BENEFIT PAYMENTS DURING YEAR (mil. dol.)									
Total amount [11]	**31,863**	**66,923**	**120,472**	**140,995**	**156,137**	**167,033**	**175,762**	**186,195**	**196,692**	**204,186**
Monthly benefits [12]	31,570	66,586	120,118	140,662	155,934	166,827	175,551	185,988	196,489	203,953
Retired workers [2]	18,437	38,078	70,359	83,614	95,123	103,578	109,957	116,823	123,584	128,513
Disabled workers [3]	2,448	6,908	12,817	14,379	14,810	15,196	15,623	16,483	17,409	18,053
Wives and husbands [2] [4]	2,194	4,104	7,043	8,228	9,191	9,934	10,396	11,061	11,700	12,130
Children	3,517	6,643	10,514	11,764	11,302	10,782	10,651	10,710	10,899	10,956
Under age 18	2,701	4,823	7,374	8,068	8,312	8,330	8,401	8,502	8,687	8,516
Disabled children [5]	250	537	1,048	1,236	1,387	1,497	1,621	1,760	1,961	2,010
Students [6]	566	1,283	2,093	2,461	1,602	955	629	447	251	429
Of retired workers	303	634	1,142	1,321	1,223	1,143	1,135	1,140	1,166	1,183
Of deceased workers	2,760	4,888	7,389	8,307	8,204	7,911	7,775	7,762	7,843	7,846
Of disabled workers	454	1,121	1,982	2,136	1,875	1,728	1,741	1,809	1,890	1,926
Widowed mothers [7]	574	1,009	1,572	1,760	1,861	1,771	1,474	1,474	1,457	1,388
Widows and widowers [2] [8]	4,055	9,596	17,638	20,749	23,488	25,425	27,325	29,330	31,345	32,833
Parents [2]	39	50	55	58	59	56	53	51	48	44
Special benefits [9]	306	198	119	110	100	85	71	57	47	36
Lump sum	294	337	355	332	203	205	212	207	203	203

NA Not available. Z Fewer than 500. [1] Benefit payment actually being made at a specified time with no deductions or with deductions amounting to less than a month's benefits; i.e., the benefits actually being received. [2] 62 years and over. [3] Disabled workers under age 65. [4] Includes wife beneficiaries with entitled children in their care and entitled divorced wives. [5] 18 years old and over. Disability began before age 18 and, beginning 1973, before age 22. [6] Full-time students aged 18-21 through 1984 and aged 18 and 19 beginning 1985. [7] Includes surviving divorced mothers with entitled children in their care and, beginning June 1975, widowed fathers with entitled children in their care. [8] Includes widows aged 60-61, surviving divorced wives aged 60 and over, disabled widows and widowers aged 50 and over; and beginning Jan. 1973, widowers aged 60-61. [9] Benefits for persons aged 72 and over not insured under regular or transitional provisions of Social Security Act. [10] Constant dollar figures are based on the consumer price index published by the U.S. Bureau of Labor Statistics; see table 758. [11] Represents total disbursements of benefit checks by the U.S. Dept. of the Treasury during the years specified. [12] Distribution by type estimated.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

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No. 579. SOCIAL SECURITY (OASDI)—BENEFICIARIES, ANNUAL PAYMENTS, AND AVERAGE MONTHLY BENEFIT, 1970 TO 1987, AND BY STATES AND OTHER AREAS, 1987

[Number of beneficiaries in current-payment status and average monthly benefit as of **December**. OASDI=Old-age, survivors, and disability insurance. See also headnote, table 578, and Appendix III]

YEAR, DIVISION, AND STATE OR OTHER AREA	NUMBER OF BENEFICIARIES (1,000)				ANNUAL PAYMENTS (mil. dol.)				AVERAGE MONTHLY BENEFIT (dol.)		
	Total	Retired workers and dependents [1]	Survivors	Disabled workers and dependents	Total	Retired workers and dependents [1]	Survivors [2]	Disabled workers and dependents	Retired workers [3]	Disabled workers	Widows and widowers [4]
1970	26,229	17,093	6,470	2,665	31,863	21,076	7,721	3,067	118	131	102
1975	32,086	20,323	7,411	4,353	66,923	42,645	15,864	8,414	207	226	194
1980	35,585	23,309	7,598	4,678	120,472	78,025	27,010	15,437	341	371	311
1982	35,839	24,425	7,442	3,973	156,137	104,985	33,815	17,338	419	441	379
1983	36,085	25,021	7,251	3,813	167,033	114,133	35,369	17,530	441	456	396
1984	36,479	25,474	7,182	3,822	175,762	121,023	36,839	17,900	461	471	415
1985	37,058	25,989	7,162	3,907	186,195	128,536	38,824	18,836	479	484	433
1986	37,703	26,541	7,166	3,965	196,692	135,949	40,896	19,847	489	488	444
1987, total	**38,190**	**26,988**	**7,157**	**4,045**	**204,156**	**141,329**	**42,315**	**20,512**	**513**	**508**	**468**
U.S.	**37,283**	**26,455**	**6,954**	**3,874**	**200,995**	**139,582**	**41,490**	**19,923**	**515**	**511**	**471**
New England	**2,080**	**1,558**	**337**	**186**	**11,656**	**8,552**	**2,143**	**961**	**(NA)**	**(NA)**	**(NA)**
Maine	208	149	36	23	1,045	727	210	108	472	473	450
New Hampshire	153	116	24	14	846	625	151	70	515	503	488
Vermont	84	61	15	9	447	314	90	43	504	488	465
Massachusetts	948	709	156	84	5,276	3,848	991	437	516	501	494
Rhode Island	177	133	27	18	983	722	169	92	512	487	488
Connecticut	509	391	80	38	3,059	2,316	532	211	561	516	521
Middle Atlantic	**6,189**	**4,512**	**1,107**	**571**	**35,942**	**25,665**	**7,090**	**3,187**	**(NA)**	**(NA)**	**(NA)**
New York	2,804	2,044	485	275	16,420	11,794	3,093	1,533	550	533	504
New Jersey	1,202	890	206	107	7,168	5,220	1,340	608	560	532	514
Pennsylvania	2,183	1,578	416	189	12,354	8,651	2,657	1,046	532	529	496
East North Central	**6,609**	**4,638**	**1,272**	**699**	**37,405**	**25,600**	**8,065**	**3,740**	**(NA)**	**(NA)**	**(NA)**
Ohio	1,749	1,197	357	195	9,701	6,426	2,251	1,024	528	530	493
Indiana	883	617	168	98	4,976	3,408	1,053	515	537	527	495
Illinois	1,720	1,232	327	161	9,905	6,963	2,075	867	546	528	504
Michigan	1,441	995	280	166	8,300	5,572	1,801	927	547	558	504
Wisconsin	816	597	140	79	4,523	3,231	885	407	526	515	491
West North Central	**2,950**	**2,155**	**542**	**252**	**15,621**	**11,092**	**3,263**	**1,266**	**(NA)**	**(NA)**	**(NA)**
Minnesota	649	486	114	49	3,423	2,474	698	251	499	497	468
Iowa	515	380	95	40	2,794	2,002	588	204	516	502	477
Missouri	890	628	166	95	4,673	3,216	978	479	499	501	462
North Dakota	110	80	22	8	547	385	124	38	483	466	447
South Dakota	125	91	24	10	611	430	135	46	470	468	440
Nebraska	263	196	48	19	1,397	1,011	290	96	505	494	473
Kansas	398	294	73	31	2,176	1,574	450	152	523	493	483
South Atlantic	**6,691**	**4,715**	**1,232**	**745**	**34,512**	**23,818**	**6,956**	**3,738**	**(NA)**	**(NA)**	**(NA)**
Delaware	98	71	17	10	554	390	109	55	535	513	494
Maryland	584	419	114	51	3,200	2,222	691	287	513	520	478
District of Columbia	80	57	16	7	382	266	80	36	442	445	404
Virginia	787	537	157	93	3,972	2,630	879	463	480	492	433
West Virginia	362	220	85	57	1,878	1,105	492	281	506	538	446
North Carolina	1,003	682	195	126	4,920	3,296	1,014	610	472	472	403
South Carolina	506	330	103	73	2,472	1,593	528	351	473	476	403
Georgia	832	533	176	123	4,046	2,548	919	579	468	477	411
Florida	2,439	1,866	369	205	13,088	9,768	2,244	1,076	512	517	483
East South Central	**2,530**	**1,606**	**553**	**371**	**12,034**	**7,477**	**2,857**	**1,700**	**(NA)**	**(NA)**	**(NA)**
Kentucky	624	389	137	98	2,996	1,811	732	453	466	499	415
Tennessee	787	519	163	105	3,832	2,482	862	488	471	477	414
Alabama	680	430	155	95	3,257	2,010	801	446	466	484	406
Mississippi	439	268	98	73	1,949	1,174	462	313	436	462	375
West South Central	**3,647**	**2,435**	**808**	**403**	**18,131**	**11,797**	**4,431**	**1,903**	**(NA)**	**(NA)**	**(NA)**
Arkansas	454	301	90	63	2,125	1,373	461	291	454	479	400
Louisiana	622	372	155	94	3,002	1,750	826	426	477	506	425
Oklahoma	513	360	105	48	2,601	1,771	590	240	487	494	440
Texas	2,058	1,402	457	198	10,403	6,903	2,554	946	494	498	449
Mountain	**1,772**	**1,282**	**309**	**181**	**9,307**	**6,569**	**1,823**	**915**	**(NA)**	**(NA)**	**(NA)**
Montana	131	93	24	14	685	471	144	70	501	512	471
Idaho	149	110	25	13	776	559	150	67	500	509	469
Wyoming	57	41	11	5	308	216	66	26	517	509	479
Colorado	386	275	71	41	2,019	1,389	426	204	502	507	471
New Mexico	201	135	40	25	972	644	213	115	484	498	436
Arizona	535	397	85	53	2,871	2,082	509	280	520	534	486
Utah	175	128	32	15	934	671	190	73	522	515	491
Nevada	138	103	21	14	742	537	125	80	514	534	485
Pacific	**4,814**	**3,553**	**794**	**467**	**26,388**	**19,011**	**4,867**	**2,510**	**(NA)**	**(NA)**	**(NA)**
Washington	671	501	107	63	3,743	2,724	681	338	532	526	496
Oregon	465	352	73	40	2,564	1,885	460	219	523	528	490
California	3,511	2,574	587	350	19,214	13,758	3,573	1,883	523	517	487
Alaska	29	18	7	4	152	96	38	18	519	525	446
Hawaii	138	108	20	10	715	548	115	52	502	504	457
Puerto Rico	553	301	103	149	1,775	901	369	505	324	415	293
Guam	4	2	1	1	14	8	5	1	375	425	328
American Samoa	3	1	1	1	7	3	3	1	307	358	268
Virgin Islands	9	6	2	1	40	27	9	4	457	453	391
Abroad	338	223	96	19	1,325	808	439	78	389	470	375

NA Not available. [1] Includes special benefits; see footnote 9, table 578. [2] Includes lump-sum payments to survivors of deceased workers. [3] Excludes persons with special benefits. [4] Nondisabled only.

Source: U.S. Social Security Administration. Quarterly in *Social Security Bulletin*.

No. 580. Pension Plan Coverage of Civilian Workers by Wage or Salary Income: 1986

[Covers civilian workers as of **March** of following year who had earnings in year shown. Based on Current Population Survey; se text, section 1 and Appendix III]

SEX, AGE, RACE AND HISPANIC ORIGIN	NUMBER WITH COVERAGE (1,000)					PERCENT OF TOTAL CIVILIAN WORKERS				
	Total [1]	$5,000-$14,999	$15,000-$24,999	$25,000-$34,999	$35,000 and over	Total [1]	$5,000-$14,999	$15,000-$24,999	$25,000-$34,999	$35,0 and over
Total [2]	**49,578**	**10,333**	**15,983**	**11,365**	**10,395**	**42.6**	**29.3**	**60.9**	73.4	78
Male [3]	29,097	3,342	8,043	8,093	9,067	47.0	23.0	56.5	72.1	75
15-24 years old	1,744	701	637	206	34	13.4	15.5	40.4	52.7	44
25-34 years old	8,224	1,045	2,949	2,410	1,722	45.8	21.5	52.7	66.0	69
35-44 years old	8,533	589	2,026	2,608	3,226	62.2	28.5	60.3	76.7	76
45-54 years old	5,966	427	1,301	1,650	2,534	67.1	34.7	66.3	75.8	80
55-64 years old	4,102	454	1,010	1,131	1,411	62.7	36.1	67.2	77.7	79
Female [3]	20,481	6,989	7,940	3,271	1,328	37.6	33.7	66.1	76.8	78
15-24 years old	1,610	934	426	71	2	12.9	21.8	43.7	52.6	15
25-34 years old	6,143	1,936	2,641	965	364	39.4	31.5	60.9	70.2	73
35-44 years old	5,951	1,746	2,301	1,145	520	48.3	37.5	71.9	78.4	73
45-54 years old	3,907	1,247	1,534	727	278	50.7	41.1	72.8	84.4	81
55-64 years old	2,490	946	922	352	144	49.3	45.5	75.6	85.6	88
White	43,090	8,495	13,636	10,093	9,626	42.9	29.9	59.9	73.1	75
Black	5,152	1,594	1,941	929	467	41.2	33.2	70.3	78.1	80
Hispanic [4]	2,444	708	878	472	283	30.1	21.0	52.0	65.9	74

[1] Includes workers with income under $5,000, not shown separately. [2] Includes other races, not shown separately. [3] Includes persons 65 years old and over, not shown separately. [4] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, forthcoming report.

No. 581. Assets of Private and Public Pension Funds, by Type of Fund: 1970 to 1987

[**In billions of dollars.** As of **end of year**. Except for corporate equities, represents book value. Excludes Social Security trust funds, see table 577]

TYPE OF PENSION FUND	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total, all types	**240.8**	**444.1**	**916.1**	**996.9**	**1,170.6**	**1,378.1**	**1,512.6**	**1,791.3**	**2,054.4**	**2,236**
Private funds	153.0	297.4	641.6	686.5	810.1	954.9	1,026.1	1,237.8	1,415.4	1,537
Insured	41.0	72.3	172.0	199.8	242.9	286.4	331.6	400.0	478.9	551
Noninsured [1]	112.0	225.0	469.6	486.7	567.2	668.5	694.5	837.8	938.5	985
Corporate equities [2]	67.9	110.8	230.6	222.6	266.2	320.6	317.5	412.3	481.4	488
U.S. Government securities	3.0	17.9	50.6	66.9	77.1	89.2	96.5	104.6	111.4	122
Corporate bonds [3]	29.4	41.9	77.7	83.3	89.8	100.3	110.5	121.0	128.3	147
Other	11.7	54.5	110.7	113.9	134.1	158.4	170.0	199.9	217.4	226
Public funds	87.8	146.7	274.5	310.4	360.5	423.2	486.5	553.5	638.9	698
State and local government	60.3	104.8	198.1	224.2	262.5	311.2	356.6	404.7	469.4	508
Corporate bonds [3]	35.1	61.8	94.5	103.8	107.3	106.6	118.1	129.0	139.8	136
Corporate equities	10.1	24.3	44.3	47.8	60.2	89.6	96.5	120.1	150.2	172
U.S. Government securities	6.6	7.8	40.0	51.8	71.2	88.2	111.2	123.5	144.2	152
Other	8.6	10.9	19.2	20.8	23.9	26.8	30.7	32.1	35.3	37
U.S. Government	27.5	41.9	76.4	86.2	97.9	112.0	130.0	148.8	169.6	189
Civil service [4]	23.0	38.5	73.9	84.8	97.4	111.4	126.9	144.6	163.4	182
Railroad retirement	4.5	3.4	2.5	1.4	.5	.6	3.1	4.2	6.2	6

[1] Covers all pension funds of corporations, nonprofit organizations, unions, and multi-employer groups. Also includes defer profit-sharing plans; excludes health, welfare, and bonus plans. [2] Includes mutual fund shares. [3] Includes foreign bond [4] Includes U.S. Foreign Service Retirement and Disability Trust Fund.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts, Assets and Liabilities Outstanding, 19* 83; *Annual Statistical Digest*, and unpublished data.

No. 582. Individual Retirement Accounts (IRA) Plans—Value, by Type of Holder: 1981 to 1987

[**As of December 31.** Estimated]

TYPE OF HOLDER	AMOUNT (bil. dol.)							PERCENT DISTRIBUTI	
	1981	1982	1983	1984	1985	1986	1987	1981	1985
Total	**26.1**	**52.4**	**91.3**	**132.1**	**199.7**	**277.1**	**333.8**	**100.0**	**100.0**
Savings institutions	14.2	20.2	31.7	43.4	56.4	69.0	77.1	54.4	28.2
Commercial banks	5.8	13.6	26.5	37.2	51.5	67.0	77.0	22.2	25.8
Mutual funds	2.6	5.7	10.7	16.5	31.6	53.7	72.2	9.9	15.8
Self directed	(NA)	5.5	8.4	14.6	29.4	44.9	58.9	(NA)	14.7
Life insurance companies	3.3	5.8	9.0	12.6	16.9	22.0	26.0	12.6	8.5
Credit unions	.2	1.6	5.0	7.8	13.9	20.5	22.6	.8	7.0

NA Not available.

Source: Investment Company Institute, Washington, DC, *Mutual Fund Fact Book*, annual. (Copyright.)

No. 583. PUBLIC EMPLOYEE RETIREMENT SYSTEMS—BENEFICIARIES AND BENEFITS: 1970 TO 1986

[Number of beneficiaries as of end of year]

YEAR	Unit	Total	LEVEL OF GOVERNMENT				TYPE OF BENEFIT			
			Federal			State and local	Age and service	Dis-ability	Survivor	
			Total [1]	Civil service	Armed Forces				Month-ly	Lump-sum
Beneficiaries:										
1970	1,000	3,050	1,759	958	773	1,291	2,204	419	427	(x)
1975	1,000	4,428	2,480	1,372	1,073	1,948	3,243	549	636	(x)
1980	1,000	5,659	3,052	1,675	1,330	2,607	4,200	708	751	(x)
1984	1,000	6,693	3,419	1,910	1,458	3,274	5,127	730	836	(x)
1985	1,000	6,864	3,478	1,955	1,487	3,386	5,313	689	872	(x)
1986	1,000	7,107	3,588	2,008	1,517	3,519	5,495	692	911	(x)
Benefits:										
1970	Mil. dol	9,355	6,075	2,820	3,133	3,280	7,210	1,312	645	189
1975	Mil. dol	21,617	14,592	7,532	6,808	7,025	17,200	2,707	1,439	271
1980	Mil. dol	41,060	28,042	15,065	12,478	13,018	32,416	5,371	2,896	377
1984	Mil. dol	58,624	38,824	21,509	16,607	19,800	45,854	7,676	4,556	538
1985	Mil. dol	64,858	40,998	22,840	17,416	23,860	52,600	6,696	4,768	680
1986	Mil. dol	68,960	42,169	23,698	17,713	26,791	55,822	7,023	5,069	1,046

X Not applicable. [1] Includes other Federal systems, not shown separately.

No. 584. PUBLIC EMPLOYEE RETIREMENT SYSTEMS—AVERAGE ANNUAL BENEFITS PER ANNUITANT IN CURRENT AND CONSTANT (1986) DOLLARS: 1970 TO 1986

YEAR	ALL GOVERNMENTS				FEDERAL				STATE AND LOCAL			
	Total	Age and serv-ice	Dis-ability	Survi-vor	Total	Age and serv-ice	Dis-ability	Survi-vor	Total	Age and serv-ice	Dis-ability	Survi-vor
CURRENT DOLLARS												
1970	3,005	3,271	3,136	1,512	3,440	4,065	3,174	1,446	2,413	2,452	2,965	1,667
1975	4,821	5,304	4,931	2,263	5,875	6,873	5,254	2,558	3,478	3,690	3,867	1,719
1980	7,190	7,719	7,588	3,855	9,181	10,529	8,324	4,481	4,859	5,029	5,621	2,624
1984	8,759	8,944	10,515	5,450	11,356	12,820	10,844	6,003	6,048	5,744	9,767	4,091
1985	9,449	9,900	9,718	5,468	11,768	13,380	10,213	6,163	7,047	7,021	8,610	3,794
1986	9,703	10,159	10,150	5,564	11,753	13,448	10,613	6,185	7,613	7,484	9,180	4,060
CONSTANT (1986) DOLLARS [1]												
1970	8,006	8,715	8,355	4,028	9,165	10,830	8,457	3,853	6,429	6,533	7,900	4,441
1975	9,308	10,241	9,520	4,369	11,343	13,270	10,144	4,939	6,715	7,124	7,466	3,319
1980	9,490	10,188	10,015	5,088	12,118	13,897	10,987	5,914	6,413	6,638	7,683	3,463
1984	9,261	9,457	11,118	5,763	12,006	13,555	11,466	6,347	6,395	6,073	10,327	4,326
1985	9,651	10,112	9,926	5,585	12,041	13,667	10,432	6,295	7,198	7,172	8,795	3,875
1986	9,703	10,159	10,150	5,564	11,753	13,448	10,613	6,185	7,613	7,484	9,180	4,060

[1] Constant dollar figures are based on implicit price deflators for personal consumption expenditures supplied by U.S. Bureau of Economic Analysis.

Source of tables 583 and 584: U.S. Social Security Administration, *Social Security Bulletin*, May 1988; and unpublished data.

No. 585. FEDERAL CIVIL SERVICE RETIREMENT: 1970 TO 1987

[As of end of fiscal year or for fiscal year ending in year shown; see text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series H 262-270]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Employees covered	1,000	2,650	2,670	2,720	2,700	2,660	2,660	2,750	2,800	2,800
Annuitants, total	1,000	958	1,372	1,675	1,828	1,870	1,910	1,955	2,008	2,032
Age and service	1,000	477	732	905	1,010	1,045	1,082	1,454	1,492	1,504
Disability	1,000	185	258	343	348	343	338			
Survivors	1,000	296	382	427	470	482	490	501	516	528
Receipts, total [1]	Mil. dol	4,683	11,377	24,389	32,353	34,772	36,734	40,790	43,216	43,908
Employee contributions	Mil. dol	1,740	2,554	3,686	4,171	4,399	4,606	4,679	4,714	4,641
Federal government contributions	Mil. dol	1,952	6,707	15,562	19,443	20,615	20,848	22,301	22,980	23,144
Disbursements, total [2]	Mil. dol	2,752	7,207	14,977	19,056	20,869	21,951	23,203	24,604	25,772
Age and service annuitants [3]	Mil. dol	2,129	6,052	12,639	16,406	17,602	18,403	19,414	20,112	20,846
Survivors	Mil. dol	389	908	1,912	2,530	2,783	2,943	3,158	3,304	3,485
Average monthly benefit:										
Age and service	Dollars	362	620	992	1,117	1,150	1,149	1,189	1,197	1,213
Disability	Dollars	221	406	723	820	851	851	861	861	893
Survivors	Dollars	116	209	392	463	486	501	526	536	552
Cash and security holdings	Bil. dol	22.4	38.4	73.7	96.6	110.5	124.7	142.3	160.8	178.9

[1] Includes interest on investments. [2] Includes refunds, death claims, and administration. [3] Includes disability annuitants.

Source: U.S. Office of Personnel Management, *Compensation Report*, annual.

No. 586. State and Local Government Retirement Systems—Finances: 1970 to 1987

[In millions of dollars. For fiscal years closed during the 12 months ending June 30]

YEAR AND LEVEL OF GOVERNMENT	RECEIPTS					BENEFITS AND WITHDRAWALS			Cash and security holdings
	Total	Employee contributions	Government contributions		Earnings on investments	Total	Benefits	Withdrawals	
			State	Local					
1970: All systems	9,848	2,788	2,046	2,554	2,460	3,638	3,037	601	54,918
State-administered	7,184	2,149	1,978	1,237	1,821	2,382	1,913	469	39,966
Locally administered	2,664	639	67	1,318	639	1,256	1,124	132	14,952
1980: All systems	37,313	6,466	7,581	9,951	13,315	14,008	12,207	1,801	185,226
State-administered	28,603	5,285	7,399	5,611	10,308	10,257	8,809	1,448	144,682
Locally administered	8,710	1,180	181	4,340	3,008	3,752	3,399	353	40,544
1985: All systems	71,731	9,479	12,227	15,172	34,852	24,164	21,999	2,166	373,832
State-administered	56,313	7,913	11,976	8,944	27,480	17,987	16,189	1,798	296,592
Locally administered	15,418	1,567	251	6,228	7,372	6,177	5,810	367	77,240
1987: All systems	99,278	11,241	13,502	16,854	57,681	29,614	27,386	2,228	511,808
State-administered	77,604	9,428	13,199	10,031	44,947	22,189	20,537	1,652	407,147
Locally administered	21,674	1,814	303	6,823	12,734	7,425	6,849	576	104,661

Source: U.S. Bureau of the Census, *Finances of Employee-Retirement Systems of State and Local Governments*, series GF, No. 2, annual.

No. 587. State Unemployment Insurance—Summary: 1970 to 1987

[See headnote, table 588]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Insured unemployment, avg. weekly	1,000	1,805	3,986	3,350	3,047	4,061	3,396	2,476	2,611	2,641	2,332
Percent of covered employment [1]	Percent	3.4	6.0	3.9	3.5	4.6	3.9	2.8	2.9	2.8	2.4
Unemployment benefits, avg. weekly	Dollars	50	70	99	107	119	124	123	127	135	140
Percent of weekly wage	Percent	35.6	37.2	37.5	35.6	37.2	37.6	35.8	35.3	35.8	(NA)
Weeks compensated	Million	78.9	175.3	149.0	135.9	185.3	155.5	111.6	119.3	121.4	105.4
Beneficiaries, first payments	1,000	6,402	11,160	9,992	9,401	11,648	8,907	7,743	8,350	8,361	7,281
Average duration of benefits [2]	Weeks	12.3	15.7	14.9	14.5	15.9	17.5	14.4	14.3	14.5	14.5
Claimants exhausting benefits	1,000	1,295	4,195	3,072	2,989	4,175	4,180	2,600	2,575	2,688	2,410
Percent of first payment [3]	Percent	24.4	37.8	33.2	32.4	38.5	38.4	34.1	31.3	32.1	33.1
Contributions collected [4]	Bil. dol.	2.5	5.2	11.4	11.7	12.2	14.6	18.8	19.3	18.1	17.8
Benefits paid	Bil. dol.	3.8	11.8	13.8	13.3	20.7	17.8	12.6	14.0	15.4	14.2
Funds available for benefits [5]	Bil. dol.	11.9	4.5	11.4	11.6	7.5	7.3	11.6	16.0	19.6	25.2
Average employer contribution rate [6]	Percent	1.3	1.9	2.5	2.4	2.5	2.8	3.2	3.1	2.7	2.5

NA Not available. [1] Insured unemployment as percent of average covered employment in preceding year. [2] Weeks compensated divided by first payment. [3] Based on first payments for 12-month period ending June 30. [4] Contributions from employers; also employees in States which tax workers. [5] End of year. Sum of balances in State clearing accounts, benefit-payment accounts, and State accounts in Federal unemployment trust funds. [6] As percent of taxable wages.

No. 588. State Unemployment Insurance, by State and Other Areas: 1987

[Includes unemployment compensation for State and local government employees where covered by State law. For State data on insured unemployment, see table 653. See also *Historical Statistics, Colonial Times to 1970*, series H 305–317]

STATE	Avg. weekly unemployment benefits (dol.)	Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)	STATE	Avg. weekly unemployment benefits (dol.)	Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)	STATE	Avg. weekly unemployment benefits (dol.)	Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)
Total	**140**	**7,281**	**14,242**	KY	108	101	141	OH	149	302	[illegible]
AL	101	149	166	LA	142	150	382	OK	141	69	[illegible]
AK	159	45	117	ME	131	38	51	OR	143	113	[illegible]
AZ	120	72	122	MD	151	96	193	PA	158	418	[illegible]
AR	123	88	131	MA	174	178	422	RI	140	41	[illegible]
CA	121	986	1,841	MI	169	440	944	SC	104	82	[illegible]
CO	159	97	212	MN	159	122	278	SD	112	10	11
CT	165	93	162	MS	100	75	100	TN	98	148	[illegible]
DE	138	17	25	MO	114	153	225	TX	162	426	[illegible]
DC	177	21	66	MT	131	26	45	UT	156	42	[illegible]
FL	128	159	269	NE	112	37	50	VT	129	16	[illegible]
GA	120	199	236	NV	141	37	69	VA	133	118	[illegible]
HI	155	24	47	NH	122	19	12	WA	150	169	[illegible]
ID	136	41	67	NJ	168	234	581	WV	145	59	[illegible]
IL	147	321	830	NM	122	34	72	WI	144	190	[illegible]
IN	105	126	162	NY	140	478	1,108	WY	164	16	[illegible]
IA	143	67	131	NC	124	185	202	PR	72	70	[illegible]
KS	159	73	166	ND	144	18	38	VI	107	1	[illegible]

Source of tables 587 and 588: U.S. Employment and Training Administration, *Unemployment Insurance Statistics*, and *Annual Report of the Secretary of Labor.*

No. 589. Workers' Compensation Payments: 1970 to 1986

[In millions of dollars, except as indicated. See headnote, table 590. See also *Historical Statistics, Colonial Times to 1970,* series H 332–345]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Workers covered [1] (mil.)	59	67	76	79	79	78	77	78	82	84	86
Premium amounts paid	**4,894**	**8,972**	**17,200**	**20,343**	**22,256**	**23,014**	**22,764**	**23,048**	**25,122**	**29,320**	**34,125**
Private carriers	3,578	6,344	12,155	14,330	15,744	16,164	15,398	15,384	16,632	19,500	22,771
State funds	699	1,278	2,764	3,009	3,008	2,900	2,640	2,695	2,975	3,518	4,454
Federal programs [2]	152	435	672	1,017	1,142	1,174	1,509	1,458	1,569	1,721	1,771
Self-insurers	465	916	1,609	1,987	2,363	2,776	3,217	3,511	3,946	4,582	5,129
Annual benefits paid	**3,031**	**6,598**	**9,796**	**12,027**	**13,618**	**15,054**	**16,407**	**17,575**	**19,685**	**22,472**	**25,019**
By private carriers [3]	1,843	3,422	5,256	6,157	7,029	7,876	8,647	9,265	10,610	12,341	13,840
From State funds [4]	755	2,324	3,043	4,022	4,330	4,595	4,768	5,061	5,376	5,874	6,408
Employers' self-insurance [5]	432	852	1,497	1,848	2,259	2,583	2,993	3,249	3,700	4,257	4,771
Type of benefit:											
Medical/hospitalization	1,050	2,030	2,980	3,520	3,947	4,431	5,058	5,681	6,424	7,381	8,323
Compensation payments	1,981	4,568	6,816	8,507	9,671	10,623	11,349	11,894	13,261	15,090	16,696
Disability	1,751	3,843	5,851	7,232	8,359	9,224	9,862	10,385	11,666	13,379	14,935
Survivor	230	725	965	1,275	1,312	1,399	1,488	1,509	1,595	1,712	1,760
Percent of covered payroll:											
Workers' compensation costs [6] [7]	1.11	1.32	1.86	1.95	1.96	1.85	1.75	1.67	1.64	1.81	1.98
Benefits [7]	.66	.83	.94	1.01	1.07	1.08	1.16	1.17	1.21	1.31	1.39

[1] Estimated per month. [2] Includes Federal employer compensation program and that portion of Federal black lung benefits program financed from employer contributions. [3] Net cash and medical benefits paid under standard workers' compensation policies. [4] Net cash and medical benefits paid by competitive and exclusive State funds and by Federal workers' compensation programs, including black lung benefit program. [5] Cash and medical benefits paid by self-insurers, plus value of medical benefits paid by employers carrying workers' compensation policies that exclude standard medical coverage. [6] Premiums written by private carriers and State funds, and benefits paid by self-insurers increased by 5–10 percent to allow for administrative costs. Also includes benefits paid and administrative costs of Federal system for government employees. [7] Excludes programs financed from general revenue—black lung benefits and supplemental pensions in some States.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin.*

No. 590. Workers' Compensation Payments, by State: 1980 to 1986

[In millions of dollars. Calendar-year data, except fiscal-year data for Federal civilian and other programs and for a few States with State funds. Payments represent cash and medical benefits and include insurance losses paid by private insurance carriers (compiled from the *Spectator (Insurance by States . . . of Casualty Lines),* from reports of State insurance commissions, and from A. M. Best Co.); net disbursements of State funds (from the *Spectator,* from *Argus Casualty and Surety Chart,* and from State reports), estimated for some States; and self-insurance payments, estimated from available State data. Includes benefit payments under Longshoremen's and Harbor Workers' Compensation Act and Defense Bases Compensation Act for States in which such payments are made]

STATE	1980	1983	1984	1985	1986
Total	**13,562**	**17,575**	**19,685**	**22,472**	**25,019**
Alabama	112	147	166	203	244
Alaska	60	77	93	109	129
Arizona	120	171	165	198	206
Arkansas	83	118	134	142	154
California	1,626	2,234	2,655	3,243	3,745
Colorado	115	210	251	284	355
Connecticut	132	232	266	305	347
Delaware	21	30	36	41	46
District of Columbia	70	78	74	74	76
Florida	362	645	685	815	928
Georgia	185	256	296	360	427
Hawaii	60	105	122	133	135
Idaho	38	46	56	66	67
Illinois	665	740	825	912	993
Indiana	101	129	134	152	174
Iowa	99	110	120	121	131
Kansas	85	114	126	142	157
Kentucky	161	168	194	225	245
Louisiana	301	415	431	466	504
Maine	81	145	170	211	253
Maryland	187	255	272	306	328
Massachusetts	296	408	451	510	638
Michigan	626	665	733	782	829
Minnesota	258	348	374	431	438
Mississippi	60	73	83	98	122
Missouri	124	172	195	237	270
Montana	41	66	79	102	123
Nebraska	43	57	61	68	76
Nevada	69	94	106	123	149
New Hampshire	48	64	77	91	108
New Jersey	316	395	444	501	547
New Mexico	54	92	114	140	148
New York	637	755	858	985	1,096
North Carolina	131	173	201	242	263
North Dakota	17	23	29	33	38
Ohio	776	1,085	1,259	1,441	1,637
Oklahoma	134	228	266	291	269
Oregon	275	313	346	396	452
Pennsylvania	572	781	888	998	1,133
Rhode Island	55	79	85	97	113
South Carolina	79	107	128	156	171
South Dakota	13	18	21	26	28
Tennessee	129	149	175	204	234
Texas	701	1,084	1,293	1,564	1,833
Utah	39	51	66	80	92
Vermont	15	24	25	30	35
Virginia	174	221	243	269	305
Washington	324	532	627	785	819
West Virginia	176	222	249	285	322
Wisconsin	172	214	239	287	327
Wyoming	14	44	48	47	51
Federal programs:					
Civilian employees	776	919	1,004	1,055	1,116
Black lung benefits [1]	1,739	1,691	1,641	1,603	1,582
Other [2]	8	6	9	7	9

[1] Includes payments by Social Security Administration and by Department of Labor. [2] Primarily payments made to dependents of reservists who died while on active duty in the Armed Forces.

Source: U.S. Social Security Administration, *Social Security Bulletin,* January 1988 and unpublished data.

No. 591. Black Lung Benefit Program—Beneficiaries and Payments: 1975 to 1988

[**In thousands, except as indicated.** Benefits payable to miners disabled because of pneumoconiosis and to their dependents and survivors as a result of Federal Coal Mine Health and Safety Act of 1969 and subsequent amendments and revisions. Claims by miners or their survivors are handled by the Social Security Administration (SSA) or the Department of Labor, depending upon the date the claim was filed. Claims filed by a miner by June 30, 1973, and those filed by survivors by December 31, 1973 were processed by SSA. Benefits under the program as administered by SSA are paid out of Federal general tax revenues. Claims filed by a miner between July 1 and December 31, 1973 and all claims filed after December 1973 were processed by Department of Labor and are paid by either a responsible mine operator or the Department of Labor]

TYPE OF BENEFICIARY	SOCIAL SECURITY ADMINISTRATION						DEPARTMENT OF LABOR			
	1975	1980	1985	1986	1987	1988	1975	1980	1985	198
Beneficiaries, total [1]	482	399	295	276	259	235	(NA)	139	160	[illegible]
Miners	165	120	78	70	64	55	(NA)	53	61	[illegible]
Widows	139	147	138	135	132	125	(NA)	27	38	[illegible]
Dependents [2]	177	133	79	70	64	55	(NA)	59	61	[illegible]
Payments (mil. dol.)	950	1,030	1,025	971	940	900	10	707	583	[illegible]

NA Not available. [1] As of end of year. [2] Dependent wife or child or surviving child, parent, brother, or sister.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly; and U.S. Department of Labor, Employment Standards Administration, *Black Lung Benefits Act, Annual Report.*

No. 592. Persons With Work Disability, by Selected Characteristics: 1988

[**In thousands, except percent.** As of **March.** Covers civilian noninstitutional population and members of Armed Forces living off post or with their families on post. Persons are classified as having a work disability if they (1) have a health problem or disability which prevents them from working or which limits the kind or amount of work they can do; (2) have a service-connected disability or ever retired or left a job for health reasons; (3) did not work in survey reference week or previous year because of long-term illness or disability; or (4) are under age 65, and are covered by Medicare or receive Supplemental Security Income. Based on Current Population Survey; see text, section 1 and Appendix III]

AGE AND PARTICIPATION STATUS IN ASSISTANCE PROGRAMS	Total [1]	Male	Female	White	Black	Hispanic [2]
Persons with work disability	**13,420**	**6,706**	**6,714**	**10,544**	**2,512**	**1,011**
16–24 years old	1,285	674	610	963	291	125
25–34 years old	2,414	1,249	1,165	1,874	464	186
35–44 years old	2,455	1,308	1,147	1,957	433	217
45–54 years old	2,443	1,190	1,252	1,852	502	190
55–64 years old	4,825	2,285	2,540	3,898	822	290
Percent work disabled of total population	**8.6**	**8.7**	**8.4**	**7.9**	**13.7**	**8.2**
16–24 years old	3.8	4.1	3.6	3.5	6.1	3.7
25–34 years old	5.6	5.9	5.4	5.2	8.8	5.0
35–44 years old	7.1	7.7	6.5	6.6	11.7	8.3
45–54 years old	10.3	10.3	10.2	9.1	20.1	12.8
55–64 years old	22.3	22.4	22.2	20.4	39.6	25.4
Percent of work disabled—						
Receiving Social Security income	29.5	31.9	27.2	29.7	30.0	20.4
Receiving food stamps	18.8	15.7	22.0	14.4	37.0	31.5
Covered by Medicaid	21.6	18.1	25.2	17.8	37.0	32.8
Residing in public housing	4.6	3.3	6.0	2.5	12.7	7.3
Residing in subsidized housing	2.9	1.9	3.9	2.5	4.5	[illegible]

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, unpublished data.

No. 593. Vocational Rehabilitation—Summary: 1970 to 1987

[For **fiscal years ending in year shown;** see text, section 9. Includes Puerto Rico, Guam, Virgin Islands, American Samoa, Northern Mariana Islands and Trust Territory of the Pacific Islands. Vocational rehabilitation of the disabled defined as restoration, preservation, or development of the ability to function in productive activity. Rehabilitation services provided by State vocational rehabilitation agencies with matching State and Federal funds include medical restoration, training, counseling, guidance, and placement services. See also *Historical Statistics, Colonial Times to 1970,* series H 392–397]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	19
Federal and State expenditures [1]	Mil. dol	558	867	[2] 1,076	1,167	1,254	1,366	1,452	1,506	[illegible]
Federal expenditures	Mil. dol	432	673	[2] [illegible]7	858	937	1,038	1,100	1,144	[illegible]
Applicants processed for program eligibility	1,000	608	837	[illegible]7	594	602	594	594	584	[illegible]
Percent accepted into program	Percent	66	64	58	56	58	59	60	58	[illegible]
Total persons rehabilitated [3]	1,000	267.0	324.0	277.1	226.9	216.2	225.8	227.7	223.4	[illegible]
Rehabilitation rate [4]	Percent	77	70	64	61	62	63	64	64	[illegible]
Severely disabled persons rehabilitated [3] [5]	1,000	(NA)	115.7	142.5	129.9	124.2	132.7	135.2	135.3	[illegible]
Rehabilitation rate [4]	Percent	(NA)	(NA)	61	59	59	61	62	62	[illegible]
Percent of total persons rehabilitated	Percent	(NA)	36	51	57	57	58	59	61	[illegible]
Persons served total [6]	1,000	876	1,244	1,095	959	939	936	932	924	[illegible]
Persons served, severely disabled [5] [6]	1,000	(NA)	(NA)	606	572	582	585	581	[illegible]	[illegible]
Percent of total persons served	Percent	(NA)	(NA)	55	60	60	60	62	63	[illegible]

NA Not available. [1] Includes expenditures only under the basic support provisions of the Rehabilitation Act. [2] Estimate based on amounts appropriated. [3] Persons successfully placed into gainful employment. [4] Persons rehabilitated as a percent of all active case closures (whether rehabilitated or not). [5] Severely disabled individuals fall into any of the following three categories: (a) clients with specified major disabling conditions such as blindness and deafness; (b) clients who at any time in the vocational rehabilitation process had been Social Security disability beneficiaries or recipients of Supplemental Security Income; and (c) other individuals with substantial loss in conducting certain specified activities. [6] Includes active cases accepted for rehabilitation services during year plus active cases on hand at beginning of year.

Source: U.S. Dept. of Education, Rehabilitation Services Administration, *Caseload Statistics of State Vocational Rehabilitation Agencies in Fiscal Years,* and *State Vocational Rehabilitation Agency Program Data in Fiscal Years,* both annual.

No. 594. Medicare Program—Enrollment and Payments: 1970 to 1987

nrollment as of July 1; payments for calendar year. Benefit payments represent trust fund outlays. Includes Puerto Rico, outlying areas, and enrollees in foreign countries. See text, section 12 for explanation of coverage]

TYPE OF INSURANCE	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
HOSPITAL AND/OR MEDICAL INSURANCE												
rollment, total	1,000	20,491	24,959	27,859	28,478	29,010	29,494	30,026	30,455	31,083	31,750	32,411
nefit payments	Mil. dol	7,099	15,588	29,331	35,699	43,455	51,086	57,443	62,918	70,527	75,997	80,316
HOSPITAL INSURANCE												
rollment, total	1,000	20,361	24,640	27,459	28,067	28,590	29,069	29,587	29,996	30,589	31,216	31,853
Persons 65 and over	1,000	20,361	22,472	24,548	25,104	25,591	26,115	26,670	27,112	27,683	28,257	28,822
Disabled persons [1]	1,000	(x)	2,168	2,911	2,963	2,999	2,954	2,918	2,884	2,907	2,959	3,031
nefit payments	Mil. dol	5,124	11,315	20,623	25,064	30,342	35,631	39,337	43,257	47,580	49,758	49,496
MEDICAL INSURANCE												
rollment, total	1,000	19,584	23,904	26,757	27,400	27,941	28,412	28,975	29,415	29,989	30,590	31,170
Persons 65 and over	1,000	19,584	21,945	24,098	24,680	25,182	25,707	26,292	26,764	27,311	27,863	28,382
Disabled persons [1]	1,000	(x)	1,959	2,659	2,719	2,759	2,705	2,682	2,651	2,678	2,727	2,788
nefit payments	Mil. dol	1,975	4,273	8,708	10,635	13,113	15,455	18,106	19,661	22,947	26,239	30,820

X Not applicable. [1] Age under 65; includes persons enrolled because of end-stage renal disease (ESRD) only.

Source: U.S. Health Care Financing Administration. Published in U.S. Social Security Administration, *Annual Statistical pplement to the Social Security Bulletin.*

No. 595. Medicare—Persons Served and Reimbursements: 1975 to 1986

rsons served are enrollees who use covered services, incurred expenses greater than the applicable deductible amounts and for whom Medicare paid benefits. Reimbursements are amounts paid to providers for covered services. Excluded are retroactive adjustments resulting from end of fiscal year cost settlements and certain lump-sum interim payments. Also excluded are beneficiary (or third party payor) liabilities for applicable deductibles, coinsurance amounts, and charges for non-covered services. Includes data for enrollees living in outlying territories and foreign countries]

TYPE OF COVERAGE AND SERVICE	Unit	PERSONS 65 YEARS OLD AND OVER				DISABLED PERSONS [1]			
		1975	1980	1985	1986	1975	1980	1985	1986
Persons served, total [2]	**1,000**	**12,032**	**16,271**	**20,347**	**21,066**	**975**	**1,760**	**1,944**	**2,015**
spital insurance [2]	1,000	4,963	6,024	6,058	6,018	475	728	662	669
npatient hospital	1,000	4,913	5,951	5,714	5,697	472	721	636	645
Skilled-nursing services	1,000	260	248	304	294	8	9	10	10
Home health services [3]	1,000	329	675	1,448	1,469	22	51	101	102
pplementary medical insurance [2]	1,000	11,762	16,099	20,186	20,919	924	1,723	1,916	1,988
Physicians' and other medical services	1,000	11,396	15,827	19,590	20,316	865	1,631	1,820	1,888
Outpatient services	1,000	3,768	6,629	9,889	11,011	399	909	1,096	1,211
Home health services [3]	1,000	161	302	27	30	13	25	-	-
Persons served per 1,000 enrollees, total [2]	**Rate**	**528**	**638**	**722**	**732**	**450**	**594**	**669**	**681**
spital insurance [2]	Rate	221	240	219	213	219	246	228	226
npatient hospital	Rate	219	237	206	202	218	243	219	218
Skilled-nursing services	Rate	12	10	11	10	4	3	4	4
Home health services [3]	Rate	15	27	52	52	10	17	35	35
pplementary medical insurance [2]	Rate	536	652	739	751	471	634	716	729
Physicians' and other medical services	Rate	519	633	717	729	442	600	680	692
Outpatient services	Rate	172	269	362	395	204	334	409	444
Home health services [3]	Rate	7	12	1	1	7	9	-	-
Reimbursements, total	**Mil. dol**	**12,689**	**29,134**	**56,199**	**60,459**	**1,509**	**4,478**	**7,495**	**8,123**
spital insurance	Mil. dol	9,209	20,353	37,360	39,285	987	2,765	4,785	5,103
npatient hospital	Mil. dol	8,840	19,583	35,313	37,181	968	2,714	4,638	4,949
Skilled-nursing services	Mil. dol	233	331	464	474	9	13	17	19
Home health services [3]	Mil. dol	136	440	1,583	1,630	10	38	130	135
pplementary medical insurance	Mil. dol	3,481	8,781	18,839	21,174	522	1,713	2,709	3,020
Physicians' and other medical services	Mil. dol	3,050	7,361	15,309	16,887	295	997	1,712	1,871
Outpatient services	Mil. dol	374	1,261	3,499	4,249	221	701	997	1,149
Home health services [3]	Mil. dol	56	159	31	38	5	16	-	-
Reimbursements, per person served, total	**Dollars**	**1,055**	**1,791**	**2,762**	**2,870**	**1,548**	**2,544**	**3,855**	**4,032**
spital insurance	Dollars	1,855	3,379	6,167	6,528	2,077	3,798	7,224	7,623
patient hospital	Dollars	1,799	3,291	6,181	6,526	2,051	3,765	7,295	7,678
Skilled-nursing services	Dollars	896	1,336	1,525	1,613	1,049	1,571	1,681	1,872
Home health services [3]	Dollars	413	652	1,093	1,110	478	733	1,288	1,319
pplementary medical insurance	Dollars	296	545	933	1,012	565	994	1,414	1,519
Physicians' and other medical services	Dollars	268	471	781	831	341	611	941	991
Outpatient services	Dollars	99	190	354	386	554	771	909	948
Home health services [3]	Dollars	347	526	1,122	1,264	420	619	1,598	2,185

Represents or rounds to zero. [1] Age under 65; includes persons enrolled because of end-stage renal disease (ESRD) [2] Persons are counted once for each type of covered service used, but are not double counted in totals. [3] Beginning 2, a change in legislation resulted in virtually all home health services being paid under hospital insurance.

urce: U.S. Health Care Financing Administration, *Medicare Program Statistics*, annual; and unpublished data.

NO. 596. MEDICARE—HOSPITAL UTILIZATION AND HOSPITAL AND PHYSICIAN CHARGES: 1970 TO 1986

[Data reflect date expense was incurred based on bills submitted for payment and recorded in Health Care Financing Administration central records through March 1988. Includes Puerto Rico, Virgin Islands, Guam, other outlying areas and enrollees in foreign countries]

ITEM	Unit	PERSONS 65 YEARS OLD AND OVER					DISABLED PERSONS[1]			
		1970	1975	1980	1985	1986	1975	1980	1985	1986
Hospital inpatient care:										
Admissions	1,000	6,141	7,407	9,258	9,859	9,528	822	1,271	1,328	1,291
Per 1,000 enrollees[2]	Rate	302	330	369	356	337	379	429	457	436
Covered days of care	Millions	79	84	98	80	79	9	13	11	11
Per 1,000 enrollees[2]	Rate	3,902	3,731	3,885	2,890	2,796	4,198	4,549	3,784	3,717
Per admission	Days	12.9	11.3	10.5	8.1	8.3	11.1	10.6	8.3	8.5
Hospital covered charges	Mil. dol	5,968	12,099	28,615	49,247	53,436	1,371	4,087	6,579	7,205
Per covered day	Dollars	75	144	293	617	674	151	303	606	656
Percent of covered charges reimbursed	Percent	78.0	75.9	70.0	65.6	60.6	73.6	68.6	64.5	58.0
Physician allowed charges	Mil. dol	2,310	4,023	9,011	17,693	19,131	367	1,112	1,822	1,840
Percent reimbursed	Percent	71.9	74.3	78.0	79.0	79.1	76.1	78.7	78.6	78.7

[1] Disabled persons under age 65 and persons enrolled solely because of end-stage renal disease (ESRD). [2] Based on Hospital Insurance (HI) enrollment as of July 1.

Source: U.S. Health Care Financing Administration, unpublished data.

NO. 597. MEDICARE AND MEDICAID—SUMMARY, BY STATE AND OTHER AREAS: 1980 AND 1987

[**1987 data are preliminary estimates.** For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	MEDICARE			MEDICAID[3]		
	Enrollment,[1] 1987 (1,000)	Payments[2] (mil. dol.) 1980	Payments[2] (mil. dol.) 1987	Recipients,[4] 1987 (1,000)	Payments (mil. dol.) 1980	Payments (mil. dol.) 1987
Total	**32,411**	**35,699**	**80,316**	**23,183**	**23,311**	**45,098**
U.S.[5]	**31,738**	**35,561**	**80,060**	**21,486**	**23,213**	**44,934**
Region:						
Northeast	7,229	9,071	19,304	5,137	8,138	15,920
Midwest	8,082	9,507	20,571	5,282	5,637	10,789
South	10,752	10,412	24,540	6,175	5,558	11,094
West	5,655	6,529	15,612	4,892	3,878	7,131
N. Eng	**1,825**	**2,238**	**4,579**	**1,066**	**1,781**	**3,437**
ME	175	177	354	123	131	303
NH	130	120	256	33	72	142
VT	71	68	136	50	59	103
MA	844	1,179	2,295	541	1,009	1,844
RI	154	189	423	102	160	296
CT	451	505	1,115	217	350	749
Mid. Atl	**5,404**	**6,833**	**14,725**	**4,071**	**6,357**	**12,483**
NY	2,469	3,409	6,558	2,308	4,543	8,841
NJ	1,056	1,198	2,654	661	756	1,565
PA	1,879	2,226	5,513	1,102	1,058	2,077
E. No. Cent	**5,531**	**6,720**	**14,642**	**4,011**	**4,114**	**7,873**
OH	1,467	1,606	3,656	1,132	809	2,377
IN	725	719	1,567	301	354	924
IL	1,484	2,046	4,358	1,042	1,192	1,745
MI	1,171	1,620	3,548	1,125	1,072	1,823
WI	685	729	1,513	411	687	1,004
W. No. Cent	**2,550**	**2,787**	**5,929**	**1,271**	**1,523**	**2,916**
MN	565	594	1,270	337	590	1,097
IA	445	453	911	232	230	422
MO	754	888	2,048	369	295	619
ND	96	109	225	42	47	165
SD	107	96	202	40	55	116
NE	232	234	440	107	109	215
KS	352	413	834	144	197	282
So. Atl	**5,679**	**5,555**	**13,306**	**2,778**	**2,512**	**5,445**
DE	81	87	201	37	45	90
MD	506	622	1,395	312	322	765
So. Atl.—Con.						
DC	79	149	301	97	188	[illegible]
VA	670	614	1,230	318	380	[illegible]
WV	297	260	666	215	104	244
NC	621	642	1,448	386	401	825
SC	406	302	798	267	258	422
GA	685	601	1,526	506	462	801
FL	2,135	2,278	5,720	640	392	1,178
E. So. Cent	**2,070**	**1,878**	**4,275**	**1,485**	**1,150**	[illegible]
KY	510	437	948	411	296	[illegible]
TN	654	594	1,357	443	380	611
AL	553	523	1,215	289	283	[illegible]
MS	353	324	757	342	211	[illegible]
W. So. Cent	**3,002**	**2,979**	**6,958**	**1,912**	**1,896**	[illegible]
AR	377	333	785	212	235	410
LA	504	467	1,253	464	415	824
OK	432	443	848	250	265	502
TX	1,689	1,736	4,071	986	981	1,767
Mt	**1,470**	**1,304**	**3,215**	**527**	**505**	[illegible]
MT	110	99	197	58	62	122
ID	123	97	226	40	52	[illegible]
WY	47	44	93	27	14	[illegible]
CO	324	315	741	189	182	[illegible]
NM	162	137	335	97	70	[illegible]
AZ	445	383	1,093	(X)	(X)	[illegible]
UT	145	110	229	82	90	[illegible]
NV	114	119	301	34	45	[illegible]
Pac	**4,185**	**5,225**	**12,397**	**4,365**	**3,373**	[illegible]
WA	568	507	1,273	392	329	759
OR	394	385	856	168	179	254
CA	3,090	4,219	9,986	3,669	2,729	[illegible]
AK	20	18	48	29	26	77
HI	113	96	234	88	109	[illegible]
PR	407	124	226	1,683	97	[illegible]
Outlying areas	11	4	9	[6] 14	[6] 2	[illegible]
Foreign	255	9	21	(X)	(X)	[illegible]

X Not applicable. [1] Hospital and/or medical insurance enrollment as of July 1. [2] Payments are for calendar year and represent total disbursements from Federal hospital and supplementary medical insurance trust funds. Estimates of distribution by State based on interim reimbursements. [3] For fiscal year ending Sept. 30. [4] Persons receiving Medicaid at any time during year. [5] Includes data for enrollees with residence unknown. [6] Virgin Islands only.

Source: U.S. Health Care Financing Administration, *Medicare Program Statistics, Selected State Data, 1978–1982*, May 1984 and unpublished data.

No. 598. MEDICAID—SELECTED CHARACTERISTICS OF PERSONS COVERED: 1980 TO 1986

[**In thousands, except percent.** Represents number of persons as of **March** of following year who were enrolled at any time in year shown. Person did not have to receive medical care paid for by Medicaid in order to be counted. See headnote, table 569]

POVERTY STATUS	1980, total	1984, total	1985, total	1986							
				Total [1]	White	Black	Hispanic [2]	Under 15 years old	15-44 years old	45-64 years old	65 years and over
Persons covered, total	**18,966**	**19,348**	**19,204**	**19,739**	**12,689**	**6,200**	**2,833**	**7,384**	**7,698**	**1,913**	**2,743**
Below poverty level	11,113	13,207	12,652	12,805	7,635	4,643	2,029	5,751	4,952	1,048	1,053
Above poverty level	7,854	6,141	6,552	6,934	5,054	1,557	804	1,633	2,746	865	1,690
Percent of total population	**8.4**	**8.3**	**8.1**	**8.3**	**6.3**	**21.5**	**16.5**	**14.2**	**6.8**	**4.3**	**9.8**
Below poverty level	39.1	40.4	39.7	41.0	35.9	53.0	42.8	53.4	37.6	26.3	31.3
Above poverty level	4.0	3.1	3.2	3.3	2.8	7.8	6.5	4.0	2.7	2.1	6.9

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 155, and earlier and forthcoming reports.

No. 599. MEDICAL ASSISTANCE (MEDICAID)—RECIPIENTS AND PAYMENTS, BY BASIS OF ELIGIBILITY AND TYPE OF SERVICE: 1975 TO 1987

[**For fiscal year ending in year shown;** see text, section 9. Includes Puerto Rico and outlying areas. Excludes Arizona, which has no Title XIX (Medicaid) program. Medical vendor payments are those made directly to suppliers of medical care]

BASIS OF ELIGIBILITY AND TYPE OF SERVICE	RECIPIENTS (1,000)					PAYMENTS (mil. dol.)				
	1975	1980	1985	1986	1987	1975	1980	1985	1986	1987
Total [1]	**22,007**	**21,605**	**21,814**	**22,515**	**23,183**	**12,242**	**23,311**	**37,508**	**41,005**	**45,098**
Age 65 and over	3,615	3,440	3,061	3,140	3,260	4,358	8,739	14,096	15,097	16,133
Blindness	109	92	80	82	85	93	124	249	277	309
Disabled [2]	2,355	2,819	2,937	3,100	3,300	3,052	7,497	13,203	14,635	16,450
AFDC [3] program	14,127	14,210	15,275	15,676	15,848	4,248	6,354	9,160	10,015	11,139
Other	1,800	1,499	1,214	1,362	1,412	494	596	796	980	1,070
npatient services in—										
General hospital	3,432	3,680	3,434	3,544	3,783	3,374	6,412	9,453	10,364	11,299
Mental hospital	67	66	60	53	55	405	775	1,192	1,113	1,404
ntermediate care facilities:										
Mentally retarded	69	121	147	145	149	381	1,989	4,731	5,072	5,606
Other	682	789	828	828	842	1,885	4,202	6,516	6,773	7,310
Skilled nursing facility	630	609	547	571	574	2,434	3,685	5,071	5,660	5,971
Physicians	15,198	13,765	14,387	14,894	15,325	1,225	1,875	2,346	2,547	2,779
Dental	3,944	4,652	4,672	5,161	5,121	399	462	458	531	541
Other practitioner	2,673	3,234	3,357	3,451	3,592	127	198	251	252	265
Outpatient hospital	7,437	9,705	10,072	10,702	10,967	373	1,101	1,789	1,980	2,226
Clinic	1,086	1,531	2,121	2,027	2,143	389	320	714	807	955
Laboratory [4]	4,738	3,212	6,354	7,123	7,492	126	121	337	424	469
Home health	343	392	535	593	622	70	332	1,120	1,352	1,688
Prescribed drugs	14,155	13,707	13,921	14,704	15,130	815	1,318	2,315	2,692	2,989
Family planning	1,217	1,129	1,636	1,732	1,639	67	81	195	226	227

[1] For 1975, recipient data are unduplicated counts of persons receiving Medicaid at any time during year. Beginning 1980, ecipient data do not add due to small number of recipients that are reported in more than one category. Includes recipients of nd payments for other care not shown separately. [2] Permanently and totally. [3] Aid to families with dependent children. [4] Includes radiological services.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, quarterly.

No. 600. PROTECTION AGAINST SHORT-TERM SICKNESS INCOME LOSS: 1970 TO 1986

[**n millions of dollars, except percent.** "Short-term sickness" refers to short-term or temporary nonwork-connected disability (lasting not more than 6 months) and the first 6 months of long-term disability. See also *Historical Statistics, Colonial Times to 1970*, series H 115-124]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
hort-term sickness: Income loss	16,757	23,595	38,529	41,278	42,558	45,615	54,919	58,157	62,997
tal protection provided [1]	**5,888**	**9,002**	**14,426**	**15,113**	**16,269**	**16,411**	**17,742**	**19,429**	**19,928**
Protection as percent of loss	35.1	38.2	37.4	36.6	38.2	36.0	32.3	32.8	31.6
enefits provided by protection:									
Individual insurance	694	973	1,280	1,291	1,595	1,152	1,410	1,796	1,774
Group benefits to workers in private employment	2,952	4,328	7,633	8,011	8,498	8,614	9,115	9,897	9,995
Private cash insurance [2]	1,476	2,011	3,271	2,959	2,931	2,708	2,507	2,601	2,275
Publicly operated cash sickness funds [3]	411	538	770	953	987	1,008	988	1,179	1,255
Sick leave	1,066	1,779	3,593	4,099	4,581	4,899	5,640	6,116	6,465
Sick leave for government employees	2,242	3,542	5,338	5,641	6,026	6,490	7,218	7,736	8,159

[1] Provided by individual insurance, group benefits to workers in private employment, and sick leave for government employees. ta for 1975-1983 include benefits for the sixth month of disability payable under old-age, survivors, disability, and health urance program, not shown separately. [2] Group accident and sickness insurance and self-insurance privately written either a voluntary basis or in compliance with State temporary disability insurance laws in CA, HI, NJ, and NY. Includes a small but determined amount of group disability insurance benefits paid to government workers and to self-employed persons through m, trade, or professional associations. [3] Includes State-operated plans in RI, CA, and NJ; State Insurance Fund and special d for disabled unemployed in New York; and provisions of Railroad Unemployment Insurance Act.

Source: U.S. Social Security Administration, *Social Security Bulletin*, May 1986 and unpublished data.

No. 601. Federal Food Programs: 1970 to 1987

[For fiscal years ending in year shown; see text, section 9. Program data include Puerto Rico, Virgin Islands, Guam, American Samoa, and the Trust Territory when a Federal food program was operated in these areas. All participation data are average monthly figures except as noted. Participants are not reported for the special milk program, the nutrition program for the elderly, and the commodity distribution programs. Cost data are direct Federal benefits to recipients; they exclude Federal administrative payments and applicable State and local contributions. Federal costs for commodities and cash-in-lieu of commodities are shown separately from direct cash benefits for those programs receiving both]

PROGRAM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Food Stamps:											
Participants	Million	4.3	17.1	21.1	22.4	21.7	21.6	20.9	19.9	19.4	19.1
Federal cost	Mil. dol	550	4,386	8,721	10,630	10,208	11,152	10,696	10,744	10,605	10,500
Nutrition assistance program for Puerto Rico: [1]											
Federal cost	Mil. dol	(x)	(x)	(x)	(x)	207	825	825	825	820	856
National school lunch program (NSLP): [2]											
Free lunches served	Million	739	1,638	1,671	1,737	1,622	1,714	1,702	1,655	1,678	1,866
Reduced-price lunches served	Million	(NA)	(NA)	308	312	262	253	248	255	257	280
Children participating [3]	Million	22.4	24.9	26.6	25.8	22.9	23.0	23.4	23.6	23.7	24.0
Federal cost	Mil. dol	300	1,289	2,279	2,381	2,185	2,402	2,508	2,578	2,714	2,780
School breakfast (SB):											
Children participating [3]	Million	.5	1.8	3.6	3.8	3.3	3.4	3.4	3.4	3.5	3.8
Federal cost	Mil. dol	11	86	288	332	317	344	364	379	406	458
Special school milk:											
Quantity reimbursed	Mil. ½ pt	2,902	2,139	1,795	1,533	202	189	174	167	162	162
Federal cost	Mil. dol	101	123	145	101	18	17	17	16	15	15
Women-infant-children: [4]											
Participants	Million	(x)	.5	2.0	2.2	2.3	2.7	3.2	3.3	3.5	3.6
Federal cost	Mil. dol	(x)	94	603	729	785	937	1,156	1,235	1,304	1,379
Child care feeding (CC): [5]											
Children participating [6]	Million	.1	.4	.7	.8	.8	.9	1.0	1.0	1.1	1.2
Federal cost	Mil. dol	6	46	207	303	290	305	348	390	427	476
Summer feeding (SF): [7]											
Children participating [8]	Million	.2	1.8	1.9	1.9	1.4	1.4	1.4	1.5	1.5	1.5
Federal cost	Mil. dol	2	50	106	101	81	95	94	101	106	114
Needy family commodity:											
Participants	Million	3.8	.3	.1	.1	.1	.1	.1	.1	.1	.1
Federal cost	Mil. dol	282	39	24	29	33	35	40	47	49	49
Nutrition program for the elderly:											
Meals served	Million	(x)	11	166	184	189	201	213	225	228	232
Federal cost	Mil. dol	(x)	2	75	94	101	120	127	134	137	138
Federal cost of commodities donated to: [9]											
Child nutrition (NSLP, CC, SF and SB)	Mil. dol	265	431	930	922	795	799	853	840	869	919
Charitable institutions, summer camps	Mil. dol	23	20	71	78	111	151	190	170	240	158
Emergency feeding [10]	Mil. dol	(x)	(x)	(x)	(x)	180	1,002	1,032	973	846	846

NA Not available. X Not applicable. [1] Puerto Rico was included in the food stamp program until June 30, 1982. [2] See headnote, table 603. [3] Nine month (September through May) average daily meals (lunches or breakfasts) served divided by the ratio of average daily attendance to enrollment. [4] Covers special supplemental food program (WIC) and commodity supplemental food program; excludes elderly persons served by the commodity supplemental food program. [5] Program provides year-round subsidies to feed preschool children in child care centers and family day care homes. [6] Annual average daily attendance at participating institutions. [7] Program provides free meals to children in poor areas during summer months. [8] Peak month (July) average daily attendance at participating institutions. [9] Includes the Federal cost of commodity entitlements, cash-in-lieu of commodities, and bonus foods. [10] Provides free commodities to needy persons for home consumption through food banks, hunger centers, soup kitchens, and similar non-profit agencies.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual; and unpublished data.

No. 602. Federal Food Stamp Program: 1970 to 1986

[Except as noted, for fiscal year ending in year shown; see text, section 9. Beginning 1975, includes Puerto Rico (through June 30, 1982), Guam, and Virgin Islands]

YEAR	Participants [1] (1,000)	Average monthly participation (1,000)	Federal govt. contributions (mil. dol.)
1970	6,457	4,340	550
1971	10,549	9,368	1,523
1972	11,594	11,109	1,797
1973	12,107	12,166	2,131
1974	13,524	12,862	2,718
1975	19,197	17,064	4,386
1976	17,982	18,549	5,327
1977	16,134	17,077	5,067
1978	15,248	16,000	5,139
1979	19,323	17,652	6,480
1980	22,028	21,067	8,721
1981	22,161	22,431	10,630
1982	20,051	21,717	10,208
1983	21,067	21,625	11,152
1984	19,765	20,854	10,696
1985	19,198	19,899	10,744
1986	19,071	19,429	10,605
1987	18,361	19,113	10,500

[1] As of end of fiscal year.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual.

No. 603. Federal Food Stamp and National School Lunch Programs, by State: 1980 and 1987

ost data for year ending Sept. 30. Food stamp participants, as of Sept. 30; food stamp households, average monthly number participating in year ending Sept. 30. Data on pupils participating in National School Lunch Program are for month in which most pupils participated nationwide. For National School Lunch Program, covers public and private elementary and secondary schools and residential child care institutions. National School Lunch Program costs include Federal cash reimbursements at rates set by law for each meal served but do not include the value of USDA donated commodities utilized in this program. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	FOOD STAMP PROGRAM					NATIONAL SCHOOL LUNCH PROGRAM		
	Households participating, 1987		Persons (1,000)		Cost, 1987 (mil. dol.)	Persons (1,000)		Cost, 1987 (mil. dol.)
	Number (1,000)	Percent of all households	1980	1987		1980	1987	
Total [1]	**7,133**	**(NA)**	**22,028**	**18,361**	**10,500**	**27,011**	**24,498**	**2,793**
U.S	**7,122**	**7.9**	**20,115**	**18,323**	**10,466**	**26,384**	**23,869**	**2,679**
egion:								
Northeast	1,510	8.0	4,379	3,487	1,934	4,969	4,097	445
Midwest	1,898	8.6	4,340	4,684	2,806	6,767	5,701	542
South	2,605	8.4	8,396	7,139	4,226	10,464	9,969	1,161
West	1,110	6.1	3,000	3,013	1,500	4,184	4,102	531
. Eng	**265**	**5.5**	**945**	**603**	**295**	**1,366**	**1,021**	**90**
ME	42	9.3	139	87	50	146	111	11
NH	9	2.4	53	18	10	101	88	6
VT	15	7.5	46	34	17	59	46	4
MA	130	5.9	446	296	139	703	486	41
RI	26	7.1	87	58	31	69	56	7
CT	43	3.6	174	110	48	288	234	21
d. Atl	**1,245**	**8.9**	**3,434**	**2,884**	**1,639**	**3,603**	**3,076**	**355**
NY	703	10.5	1,804	1,592	895	1,593	1,529	202
NJ	145	5.2	600	362	220	679	541	57
PA	397	8.9	1,030	930	524	1,331	1,006	96
E. No. Cent	**1,476**	**9.5**	**3,382**	**3,604**	**2,213**	**4,401**	**3,631**	**372**
OH	448	11.1	928	1,063	691	1,156	907	101
IN	114	5.6	399	307	200	717	614	39
IL	430	10.1	915	1,044	703	1,129	937	115
MI	363	10.8	903	864	473	866	725	77
WI	121	6.8	237	326	146	533	448	40
W. No. Cent	**422**	**6.3**	**958**	**1,080**	**593**	**2,366**	**2,070**	**170**
MN	92	5.8	188	224	107	558	472	36
IA	77	7.2	156	186	107	439	373	30
MO	139	7.2	364	371	210	664	551	46
ND	13	5.2	28	34	19	93	93	7
SD	17	6.6	46	51	30	101	101	11
NE	37	6.1	72	96	50	203	188	16
KS	46	4.9	104	118	70	308	292	24
o. Atl	**1,031**	**6.6**	**3,811**	**2,609**	**1,535**	**4,846**	**4,539**	**489**
DE	11	4.6	53	27	17	68	56	5
MD	104	6.3	335	241	159	434	352	35
DC	25	10.3	104	58	32	57	52	9
VA	129	5.9	412	304	175	717	628	53
WV	93	13.2	216	257	155	245	221	27
NC	159	6.6	592	389	214	887	807	84
SC	101	8.4	444	269	159	489	476	57
GA	176	7.8	658	460	257	894	916	95
FL	234	4.9	997	604	367	1,055	1,031	124
. So. Cent	**688**	**12.3**	**2,283**	**1,859**	**1,120**	**2,252**	**2,149**	**261**
KY	175	12.8	485	450	303	567	506	57
TN	185	10.2	674	484	277	648	615	63
AL	161	10.9	606	433	256	607	588	73
MS	167	18.4	518	492	284	430	440	68
W. So. Cent	**886**	**9.2**	**2,302**	**2,671**	**1,571**	**3,366**	**3,281**	**411**
AR	85	9.5	301	228	121	356	298	36
LA	232	14.8	584	722	417	787	729	94
OK	106	8.5	214	272	156	408	364	39
TX	464	7.8	1,203	1,449	877	1,835	1,890	242
n.	**289**	**6.0**	**818**	**816**	**484**	**1,352**	**1,334**	**138**
MT	22	7.3	45	57	33	104	85	8
ID	21	5.9	65	58	37	120	125	12
WY	10	5.7	15	26	16	51	57	4
CO	73	5.8	173	192	113	299	293	27
NM	51	9.5	191	152	94	174	174	26
AZ	67	5.4	227	212	120	291	290	35
UT	29	5.6	65	85	48	233	253	20
NV	16	4.1	37	34	23	80	57	6
ac.	**821**	**6.1**	**2,182**	**2,197**	**1,016**	**2,832**	**2,768**	**393**
WA	122	6.9	260	292	157	354	349	36
OR	92	8.5	213	204	138	277	234	23
CA	564	5.6	1,571	1,590	610	2,006	2,000	312
AK	10	6.0	32	29	26	33	38	7
HI	33	9.5	106	82	85	162	147	15

NA Not available. [1] Includes Puerto Rico, other outlying areas and Dept. of Defense overseas. After July 1, 1982 Puerto Rico was dropped from Food Stamp program and transferred to a nutrition assistance program.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual and unpublished data.

No. 604. Public Aid—Recipients and Average Monthly Cash Payments Under Supplemental Security Income (SSI) and Public Assistance: 1975 to 1987

[As of **December**, except as noted. Public assistance data for all years include Puerto Rico, Guam, and Virgin Islands; SSI da are for federally administered payments only. See text, section 12. Excludes payments made directly to suppliers of medic care. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 355–367]

PROGRAM	RECIPIENTS (1,000)					AVG. MONTHLY PAYMENTS (dol.)			
	1975	1980	1985	1986	1987	1975	1980	1985	1986
SSI, total	4,314	4,142	4,138	4,269	4,385	114	168	226	244
Aged	2,307	1,808	1,504	1,473	1,455	91	128	164	174
Blind	74	78	82	83	83	147	213	274	267
Disabled	1,933	2,256	2,551	2,713	2,846	141	198	261	282
Old-age assistance [1]	18	19	18	17	17	21	39	36	38
Aid to the blind [1]	(Z)	(Z)	(Z)	(Z)	(Z)	15	36	39	39
Aid to permanently, totally disabled [1]	17	21	23	24	24	15	35	38	38
AFDC: [2] Families	3,568	3,843	3,721	3,777	3,734	229	288	341	358
Recipients [3]	11,404	11,101	10,924	11,065	10,882	72	100	118	122
Children	8,106	7,599	7,247	7,374	7,296	(NA)	(NA)	(NA)	(NA)
General assistance cases	692	796	1,051	988	911	144	161	(NA)	(NA)

NA Not available. Z Fewer than 500. [1] Average monthly recipients and payments for the year. [2] Aid to Famil with Dependent Children program. [3] Includes the children and one or both parents, or one caretaker relative other than parent, in families where the needs of such adults were considered in determining the amount of assistance.

No. 605. Public Aid Payments: 1970 to 1987

[In **millions of dollars**. See headnote, table 604. Supplemental Security Income data cover federally- and State-administered payments. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 346–354]

PROGRAM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Payments, total [1]	**8,443**	**16,313**	**19,477**	**21,994**	**21,716**	**21,979**	**23,385**	**25,035**	**26,431**	**28,311**
Supplemental Security Income [2]	(X)	5,878	7,075	7,941	8,593	8,981	9,404	10,371	11,060	12,081
Aged	(X)	2,605	2,526	2,734	2,818	2,824	2,814	2,973	3,035	3,096
Blind	(X)	131	166	190	206	217	229	249	264	277
Disabled	(X)	3,142	4,381	5,014	5,566	5,909	6,357	7,143	7,755	8,700
Public assistance [1]	8,443	10,434	12,402	14,048	13,123	12,996	13,981	14,664	15,371	16,230
Old-age assistance	1,862	5	9	9	9	8	8	8	8	8
Blind	98	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Permanently, totally disabled	1,000	3	9	9	10	10	10	10	10	11
Families with dependent children	4,853	9,211	11,069	12,475	12,981	12,878	13,838	14,505	15,196	16,033
Emergency assistance	11	78	84	113	123	102	125	141	157	178
General assistance	618	1,138	1,231	1,442	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. Z Less than $500,000. [1] Beginning 1981, excludes general assistance payments. [2] Includes data not available by reason for eligibility.

No. 606. Public Aid Recipients as Percent of Population, by State: 1980 and 1987

[Total recipients as of **June** of Aid to Families with Dependent Children and of Federal Supplemental Security Income as percen of resident population. Based on estimated resident population as of July 1. Compiled by U.S. Bureau of the Census]

DIVISION AND STATE	1980	1987	DIVISION AND STATE	1980	1987	DIVISION AND STATE	1980	1987	DIVISION AND STATE	1980
U.S.	**6.5**	**6.2**	**E.N.C.**—Con.			**S.A.**—Con.			**Mt**	**3.5**
N.E	**6.9**	**5.2**	MI	6.9	8.5	WV	6.0	8.2	MT	3.4
ME	7.4	6.5	WI	6.1	7.7	NC	5.8	5.0	ID	3.1
NH	3.0	1.7	**W.N.C**	**4.5**	**4.7**	SC	7.8	6.3	WY	1.9
VT	6.4	5.6	MN	4.2	4.6	GA	6.9	6.4	CO	3.7
MA	8.3	5.9	IA	4.6	5.0	FL	4.4	4.1	NM	6.1
RI	7.2	6.0	MO	5.9	5.5	**E.S.C**	**7.9**	**7.4**	AZ	3.0
CT	5.2	4.3	ND	3.0	3.1	KY	7.2	7.0	UT	3.2
M.A	**7.8**	**6.9**	SD	4.2	3.9	TN	6.4	6.4	NV	2.3
NY	8.4	8.0	NE	3.2	3.8	AL	8.1	6.5	**Pac**	**7.9**
NJ	7.4	5.6	KS	3.8	3.8	MS	11.4	11.1	WA	4.9
PA	6.7	6.1	**S.A**	**6.8**	**5.1**	**W.S.C**	**6.2**	**5.4**	OR	4.9
E.N.C	**6.6**	**7.2**	DE	6.6	4.3	AR	7.2	5.9	CA	8.8
OH	6.0	7.5	MD	6.1	5.1	LA	8.3	8.8	AK	4.6
IN	3.7	3.6	DC	15.5	11.2	OK	5.2	4.8	HI	7.3
IL	7.0	7.5	VA	4.6	4.0	TX	4.0	4.5		

Source of tables 604–606: U.S. Social Security Administration, *Social Security Bulletin*, monthly, *Annual Statistical Supplement to the Social Security Bulletin*, and *Public Assistance Statistics*, monthly.

No. 607. Aid to Families With Dependent Children (AFDC) and Supplemental Security Income (SSI)—Recipients and Payments, States and Other Areas: 1980 to 1987

[Recipients as of **December**, except as noted. Data for SSI cover Federal SSI payments and/or federally-administered State supplementation, except as noted. For explanation of methodology, see Appendix III]

Division and State or other area	AFDC								SSI			
	Families, 1987		Recipients [2] (1,000)			Payments for year (mil. dol.)		Average monthly payment per family, 1986	Recipients (1,000)		Payments for year (mil. dol.)	
	Number (1,000)	Percent of total households [1]	1980	1986	1987	1980	1986		1980	1987	1980	1987
Total	**3,764.4**	(NA)	**11,101**	**11,065**	**10,882**	**12,475**	**16,033**	**$355**	[3] **4,142**	[3] **4,385**	[4] **7,715**	[4] **12,532**
U.S.	**3,707.8**	**4.1**	**10,923**	**10,875**	**10,696**	**12,409**	**15,961**	(NA)	**4,142**	**4,384**	**7,690**	**12,590**
N. Eng	**172.4**	**3.6**	**647**	**480**	**466**	**910**	**915**	(NA)	**198.0**	**197.8**	**358**	**535**
ME	19.0	4.2	58	56	52	60	83	348	21.6	22.8	29	48
NH	4.2	1.1	24	11	11	27	19	329	[5] 5.4	[5] 6.5	[5] 8	[5] 16
VT	7.4	3.6	24	22	20	32	40	441	8.9	9.6	16	26
MA	88.4	4.0	348	235	234	510	471	449	123.6	113.8	241	326
RI	15.5	4.2	54	43	42	72	79	412	15.0	16.3	25	43
CT	37.9	3.2	140	113	107	209	223	466	[5] 23.4	[5] 28.8	[5] 39	[5] 76
Mid. Atl	**651.8**	**4.7**	**2,216**	**1,989**	**1,878**	**2,954**	**3,402**	(NA)	**614.5**	**645.1**	**1,259**	**2,040**
NY	354.6	5.3	1,110	1,079	1,019	1,623	2,123	483	365.5	375.0	791	1,251
NJ	113.1	4.0	469	343	320	560	502	349	85.8	97.0	156	286
PA	184.0	4.1	637	567	539	771	777	339	163.2	173.1	312	503
E. No. Cent	**816.0**	**5.3**	**2,419**	**2,494**	**2,392**	**2,838**	**3,672**	(NA)	**466.3**	**554.2**	**827**	**1,543**
OH	226.1	5.6	572	667	648	561	809	296	119.3	139.4	200	372
IN	51.6	2.5	170	153	150	139	145	220	[5] 41.4	[5] 53.3	[5] 60	[5] 131
IL	231.0	5.4	691	731	681	722	887	306	[5] 123.6	[5] 153.0	[5] 207	[5] 430
MI	212.6	6.3	753	653	642	1,063	1,246	474	113.8	129.2	237	381
WI	94.6	5.3	232	290	271	353	585	496	68.3	79.3	124	229
W. No. Cent	**211.5**	**3.2**	**614**	**636**	**608**	**697**	**906**	(NA)	**190.3**	**199.6**	**270**	**456**
MN	54.1	3.4	146	160	161	207	329	507	[5] 31.9	[5] 35.6	[5] 42	[5] 80
IA	38.9	3.6	111	122	104	144	171	351	25.6	30.0	34	66
MO	66.8	3.4	216	202	200	182	210	282	[5] 84.4	[5] 81.1	[5] 128	[5] 192
ND	5.1	2.1	13	14	15	16	20	344	[5] 6.3	[5] 7.0	[5] 9	[5] 15
SD	6.7	2.5	19	18	18	19	20	266	8.0	9.1	10	20
NE	15.7	2.6	38	47	43	42	62	316	[5] 13.7	[5] 14.4	[5] 19	[5] 32
KS	24.2	2.6	72	73	67	87	94	328	20.4	22.4	28	51
So. Atl	**486.1**	**3.1**	**1,463**	**1,362**	**1,346**	**1,125**	**1,426**	(NA)	**744.4**	**793.4**	**1,173**	**1,915**
DE	7.7	3.2	34	21	20	32	25	253	7.2	7.8	11	19
MD	64.6	3.9	220	186	176	214	250	302	48.3	55.1	82	148
DC	19.5	7.9	82	54	50	92	77	308	15.1	16.7	31	49
VA	55.8	2.6	176	151	145	160	178	255	[5] 80.6	[5] 88.9	[5] 120	[5] 205
WV	36.4	5.1	80	115	111	60	109	247	[5] 41.0	[6] 44.1	[5] 72	[6] 118
NC	67.4	2.8	202	173	171	154	184	228	[5] 140.6	[5] 141.5	[5] 210	[5] 322
SC	44.7	3.7	156	130	122	72	104	186	[5] 83.4	[5] 88.0	[5] 124	[5] 197
GA	84.9	3.8	234	246	244	138	232	228	154.5	155.3	233	350
FL	105.0	2.2	279	286	307	203	267	227	173.6	196.0	291	507
E. So. Cent	**230.7**	**4.1**	**704**	**647**	**644**	**368**	**388**	(NA)	**470.1**	**479.2**	**716**	**1,116**
KY	58.9	4.3	175	161	155	138	140	193	[5] 93.7	[5] 103.5	[5] 151	[5] 259
TN	66.1	3.6	174	177	181	85	104	143	130.6	131.9	199	308
AL	46.5	3.1	178	139	132	84	68	114	[5] 134.1	[5] 131.0	[5] 195	[5] 293
MS	59.1	6.5	176	170	176	61	76	116	111.8	112.8	171	256
W. So. Cent	**306.6**	**3.2**	**716**	**873**	**939**	**401**	**605**	(NA)	**543.3**	**531.7**	**793**	**1,186**
AR	22.4	2.5	85	66	67	51	49	178	77.8	73.9	107	154
LA	87.6	5.6	219	256	271	124	164	168	136.5	129.1	221	314
OK	34.3	2.8	92	94	101	92	103	278	[5] 67.3	[5] 59.2	[5] 100	[5] 131
TX	162.3	2.7	320	458	500	134	289	171	[6] 261.7	[6] 269.5	[6] 365	[6] 587
Mt.	**124.3**	**2.6**	**302**	**341**	**366**	**274**	**392**	(NA)	**116.2**	**137.2**	**188**	**344**
MT	9.5	3.1	20	27	29	19	38	351	6.8	8.5	11	21
ID	6.5	1.8	20	17	18	24	19	254	[5] 7.5	[5] 9.0	[5] 11	[5] 21
WY	5.1	2.9	7	11	13	9	16	329	[5] 1.8	[5] 2.6	[5] 3	[5] 6
CO	31.7	2.5	81	89	94	81	110	309	[5] 30.5	[5] 32.8	[5] 46	[5] 81
NM	21.2	4.0	56	54	60	42	52	235	[5] 25.4	[5] 28.0	[5] 41	[5] 69
AZ	29.7	2.4	60	83	91	40	85	264	[5] 29.6	[5] 37.3	[5] 53	[5] 99
UT	14.9	2.9	44	42	44	48	56	341	[5] 7.8	[5] 9.9	[5] 11	[5] 25
NV	5.8	1.5	14	17	17	11	16	238	6.8	9.1	11	22
Pac.	**708.5**	**5.3**	**1,843**	**2,054**	**2,057**	**2,844**	**4,255**	(NA)	**798.2**	**846.1**	**2,108**	**3,454**
WA	75.2	4.3	173	210	208	251	375	431	45.3	52.7	85	154
OR	29.9	2.8	94	81	81	147	120	329	[5] 22.2	[5] 27.6	[5] 35	[5] 70
CA	582.1	5.8	1,498	1,701	1,708	2,328	3,640	532	717.5	749.7	1,962	3,184
AK	7.6	4.4	16	18	19	27	48	565	[5] 3.1	[5] 3.9	[5] 6	[5] 10
HI	13.7	4.0	61	44	41	91	72	402	10.2	12.2	20	36
PR	53.8	(NA)	170	181	178	60	66	101	(X)	(X)	(X)	(X)
GU	1.3	(NA)	5	5	5	3	4	207	(X)	(X)	(X)	(X)
VI	1.1	(NA)	3	4	4	2	3	184	(X)	(X)	(X)	(X)
N. Mariana	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	[6] .6	[6] .6	[6] 1	[6] .2

NA Not available. X Not applicable. [1] As of July. For household figures used, see table 63. [2] See footnote 3, table 604. [3] SSI totals include small number of recipients whose residence was "unknown." [4] 1980 figures include payments to Indochina refugees (total, $23.6 million) which were not available by State. In addition, for all years, totals were reduced to reflect returned checks and overpayment refunds. [5] Data for persons with Federal SSI payments only; State has State-administered supplementation. [6] Data for persons with Federal SSI payments only; State supplementary payments not made.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly, *Annual Statistical Supplement to the Social Security Bulletin* and *Public Assistance Statistics*, monthly.

No. 608. Community Services Used by Persons 65 Years Old and Over, by Age Group and Living Arrangement: 1984

[In **percent, except as indicated.** Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 42, 43, 185, and 186]

TYPE OF COMMUNITY SERVICE	Persons 65 years old and over	AGE GROUP				LIVING—	
		65–74 years old	75 years old and over	75–84 years old	85 years old and over	Alone	With others
Total (1,000)	**26,433**	**16,288**	**10,145**	**8,249**	**1,897**	**8,397**	[illegible]
Percent used—							
Senior center	15.2	14.5	16.3	17.0	13.5	21.3	12.3
Special transportation for elderly	4.5	3.2	6.4	6.5	6.1	9.1	2.3
Home nursing care	3.6	2.1	5.9	5.4	8.3	4.0	3.3
Percent ate meals in senior center	8.5	7.7	9.9	10.1	8.8	12.9	[illegible]

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

No. 609. Child Support and Alimony—Selected Characteristics of Women: 1985

oT1[Women as of **spring 1986.** Covers civilian noninstitutional population. Child support data are for women with own children under 21 years of age present from absent fathers. Alimony data are for ever-divorced and currently separated women. Based on Current Population Survey; see text, section 1 and Appendix III. For definition of mean, see Guide to Tabular Presentation]

RECIPIENCY STATUS OF WOMEN	Unit	Total[1]	CURRENT MARITAL STATUS				RACE		Hispanic[4]	AGE		
			Divorced	Married[2]	Single[3]	Separated	White	Black		18 to 29 years	30 to 39 years	40 years and over
CHILD SUPPORT												
All women, total	1,000	**8,808**	**3,045**	**2,322**	**2,009**	**1,363**	**6,341**	**2,310**	**613**	**2,887**	**3,614**	[illegible]
Payments awarded[5]	1,000	5,396	2,492	1,904	370	587	4,476	839	342	1,288	2,547	1,561
Percent of total	Percent	61.3	81.8	82.0	18.4	43.1	70.6	36.3	42.1	44.6	70.5	67.7
Due child support payment in 1985	1,000	4,381	2,179	1,416	300	453	3,651	657	282	1,089	2,182	1,110
Received payment	1,000	3,243	1,637	970	231	382	2,722	473	192	777	1,805	[illegible]
Percent of due	Percent	74.0	75.1	68.5	76.2	84.3	74.6	72.0	68.1	71.3	73.6	[illegible]
Did not receive payment	1,000	1,138	541	447	72	71	929	184	90	312	578	[illegible]
Payments not awarded	1,000	3,411	553	418	1,639	776	1,865	1,471	471	1,599	1,066	[illegible]
Mean money income:												
Women received payments	Dollars	14,776	16,778	13,512	9,675	12,642	15,052	13,297	11,505	10,886	15,513	16,913
Mean child support	Dollars	2,215	2,538	1,966	1,147	2,082	2,294	1,754	2,011	1,467	2,397	2,552
Women did not receive payments	Dollars	10,837	12,580	9,621	(B)	(B)	10,854	10,477	9,430	6,406	11,553	14,730
Women not awarded payments	Dollars	7,998	11,375	8,495	6,247	9,065	8,746	6,969	6,306	5,323	10,068	10,770
Women with incomes below the poverty level in 1985, total	1,000	**2,797**	**795**	**180**	**1,159**	**646**	**1,589**	**1,190**	**414**	**1,419**	**920**	[illegible]
Payments awarded[5]	1,000	1,130	572	121	207	221	787	322	100	469	485	[illegible]
Received payments in 1985	1,000	595	301	50	123	116	411	174	43	241	258	[illegible]
Mean income from child support	Dollars	1,383	1,522	(B)	900	1,503	1,463	1,085	(B)	963	1,674	[illegible]
Did not receive payment	1,000	310	198	31	40	41	221	83	31	128	147	[illegible]
Payments not awarded	1,000	1,668	223	59	952	425	782	868	314	951	435	[illegible]
ALIMONY												
All women, total	1,000	**19,156**	**8,000**	**7,361**	(X)	**2,610**	**16,039**	**2,766**	**1,196**	**2,817**	**5,678**	[illegible]
Payments awarded[5]	1,000	2,803	1,368	1,015	(X)	261	2,539	220	132	216	618	[illegible]
Received payments in 1985	1,000	616	443	52	(X)	120	559	44	29	62	195	[illegible]
Mean income from alimony	Dollars	3,733	3,975	(B)	(X)	3,083	3,858	(B)	(B)	(B)	3,200	[illegible]
Did not receive payment	1,000	225	161	37	(X)	26	193	25	13	45	75	[illegible]
Payments not awarded	1,000	16,354	6,632	6,346	(X)	2,348	13,500	2,546	1,064	2,601	5,060	[illegible]
Women with incomes below the poverty level in 1985, total	1,000	**3,716**	**1,800**	**524**	(X)	**1,082**	**2,870**	**973**	**410**	**851**	**1,090**	[illegible]
Payments awarded	1,000	434	247	55	(X)	93	378	49	35	86	111	[illegible]
Percent of total	Percent	11.7	13.7	10.5	(X)	8.6	14.2	5.0	8.5	10.1	10.2	13.4

B Base less than 75,000. X Not applicable. [1] Includes other items, not shown separately. [2] Remarried women whose previous marriage ended in divorce. [3] Never-married women. [4] Hispanic women may be of any race. [5] Includes women who were not supposed to receive payments in 1985, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-23, No. 152.

No. 610. Child Support Enforcement Program—Caseload and Collections: 1980 to 1987

[**For years ending Sept. 30.** Includes Puerto Rico, Guam and the Virgin Islands. The Child Support Enforcement program locates absent parents, establishes paternity of children born out-of-wedlock, and establishes and enforces support orders. By law, these services are available to all families that need them. The program is operated at the State and local government level but 68% of administrative costs are paid by the Federal government. Child support collected for families not receiving Aid to Families with Dependent Children (AFDC) goes to the family to help it remain self-sufficient. Most of the child support collected on behalf of AFDC families goes to Federal and State governments to offset AFDC payments. Based on data reported by State agencies. Minus sign (–) indicates net outlay]

ITEM	Unit	1980	1981	1982	1983	1984	1985	1986	1987
Total cases	1,000	5,432	6,266	7,028	7,516	7,999	8,401	9,724	10,588
AFDC and AFDC arrears only caseload	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	7,220	7,609
AFDC cases	1,000	4,583	5,112	5,547	5,828	6,136	6,242	5,749	5,768
AFDC arrears only cases [1]	1,000	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1,472	1,841
Non-AFDC cases	1,000	849	1,115	1,481	1,688	1,863	2,159	2,503	2,978
Cases for which a collection was made:									
AFDC cases	1,000	503	548	587	595	647	684	582	618
AFDC arrears only cases [1]	1,000	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	158	195
Non-AFDC cases	1,000	243	325	446	507	547	654	786	943
Percentage of cases with collections:									
AFDC cases	Percent	11.0	10.7	10.8	10.2	10.5	11.0	10.1	10.7
AFDC arrears only cases [1]	Percent	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	10.8	10.6
Non-AFDC cases	Percent	26.7	28.2	30.3	30.0	29.4	30.3	31.4	31.7
Absent parents located, total	1,000	643	696	779	831	875	878	1,046	1,149
Paternities established, total	1,000	144	164	173	208	219	232	245	269
Support obligations established, total	1,000	374	414	462	496	573	669	731	813
FINANCES									
Collections, total	Mil. dol	1,478	1,629	1,770	2,024	2,378	2,694	3,249	3,897
AFDC collections	Mil. dol	603	671	786	880	1,000	1,090	1,225	1,359
State share	Mil. dol	274	302	354	396	448	415	424	478
Incentive payments to States	Mil. dol	72	91	107	121	134	145	158	185
Federal share	Mil. dol	264	266	311	349	402	341	369	418
Payments to AFDC families [2]	Mil. dol	10	12	15	15	17	189	275	279
Non-AFDC collections	Mil. dol	874	958	984	1,144	1,378	1,604	2,023	2,538
dministrative expenditures, total	Mil. dol	466	526	612	691	723	814	941	1,058
State share	Mil. dol	117	132	153	204	216	243	308	313
Federal share	Mil. dol	349	395	459	487	507	571	633	745
rogram savings, total	Mil. dol	127	133	160	174	260	86	9	22
State share	Mil. dol	230	261	307	312	366	317	274	349
Federal share	Mil. dol	–103	–128	–148	–138	–105	–231	–264	–327
otal fees and costs recovered for non-AFDC cases	Mil. dol	5	5	3	3	3	3	6	7
ercentage of AFDC payments recovered	Percent	5.2	5.2	6.8	6.6	7.0	7.3	8.6	9.2

NA Not available. [1] Reflects cases that are no longer receiving AFDC but still have outstanding child support due. [2] Beginning 1985 States were required to pass along to the family the first $50 of any current child support collected each onth.

Source: U.S. Department of Health and Human Services, Office of Child Support Enforcement, *Annual Report to Congress.*

No. 611. Orphans, by Type: 1960 to 1987

s of **July.** Includes Puerto Rico and Virgin Islands; beginning 1970, also includes American Samoa and Guam. Covers children under age 18 who have been orphaned at any time. Paternal orphan refers to loss of father only, maternal orphan to loss of mother only, full orphan to loss of both parents. Percent of child population based on Social Security Administration estimates of number of children under 18, as of July 1. Data not exactly comparable for all years because of changes in methodology]

YEAR	NUMBER (1,000)				PERCENT OF CHILD POPULATION			
	Total	Paternal	Maternal	Full	Total	Paternal	Maternal	Full
60	3,509	2,446	981	82	5.1	3.6	1.4	.1
70	3,745	2,635	1,033	76	5.1	3.6	1.4	.1
75	3,550	2,520	959	71	5.1	3.6	1.4	.1
80	2,889	2,077	760	52	4.4	3.1	1.1	.1
82	2,624	1,899	682	43	4.0	2.9	1.0	.1
83	2,498	1,812	648	39	3.8	2.8	1.0	.1
84	2,406	1,750	621	35	3.7	2.7	1.0	.1
85	2,330	1,699	599	33	3.6	2.6	.9	(Z)
86	2,272	1,661	581	30	3.5	2.5	.9	(Z)
87	2,228	1,634	566	28	3.4	2.5	.9	(Z)

Z Less than .05 percent.

ource: U.S. Social Security Administration, unpublished data.

NO. 612. ADOPTIONS BY RELATIONSHIP OF PETITIONER, 1960 TO 1982, AND FOREIGN ADOPTIONS, 1975 TO 1987

[Data on foreign adoptions for **fiscal year ending in year shown**; see text, section 9. Estimated. Data on total adoptions for 1960–1975 are generally based on material shown by Penelope Maza in "Adoption Trends: 1944–1975", Child Welfare Research Notes #9, issued by the U.S. Dept. of Health and Human Services, Administration for Children, Youth and Families. Data on total adoptions for 1982 are based on data collected by the source from various State health, welfare, adoption, and statistical offices. Data on foreign adoptions are based on compilations by the source of data supplied by the U.S. Immigration and Naturalization Service. For further comments, see source]

YEAR	TOTAL ADOPTIONS: Total	TOTAL ADOPTIONS: Related petitioners	Unrelated petitioners by type of agency making placement: Total	Unrelated petitioners: Public agency	Unrelated petitioners: Private agency	Unrelated petitioners: Independent	YEAR AND COUNTRY OF ORIGIN OF ADOPTEE	FOREIGN ADOPTIONS: Number	FOREIGN ADOPTIONS: Percent distribution
Number:							1975	5,633	100.0
1960	107,000	49,200	57,800	13,300	20,800	23,700	1980	5,139	100.0
1965	142,000	65,300	76,700	20,700	32,200	23,800	1982	5,749	100.0
1970	175,000	85,800	89,200	29,500	40,100	19,600	1983	7,127	100.0
1975	129,000	81,300	47,700	18,600	18,100	11,000	1984	8,327	100.0
1982	141,861	91,141	50,720	19,428	14,549	16,743	1985	9,286	100.0
							1986	9,945	100.0
Percent distribution:							**1987, total** [1]	**10,097**	**100.0**
1960	100.0	46.0	54.0	12.4	19.4	22.1	Korea	5,910	58.5
1965	100.0	46.0	54.0	14.6	22.7	16.8	India	807	8.0
1970	100.0	49.0	51.0	16.9	22.9	11.2	Colombia	724	7.2
1975	100.0	63.0	37.0	14.4	14.0	8.5	Philippines	593	5.9
1982	100.0	64.2	35.8	13.7	10.3	11.8	Chile	238	2.4

[1] Includes other countries, not shown separately.

Source: National Committee for Adoption, Inc., Washington, DC, *Adoption Factbook, 1985,* (copyright) and unpublished data.

NO. 613. CHILD CARE ARRANGEMENTS OF CHILDREN UNDER 15 OF EMPLOYED MOTHERS, BY AGE OF CHILD AND EMPLOYMENT STATUS OF MOTHER: 1984–1985

[**In thousands, except percent.** As of **winter 1984–1985.** Data were obtained for the three youngest children under 15 years old (including any adopted or stepchildren in their care) in the household. This represents approximately 90 percent of all children under 15 years old of working women. Based on the Survey of Income and Program Participation; see text, section 14]

USUAL WEEKLY CHILD CARE ARRANGEMENT	CHILDREN UNDER 15 YEARS: Total	Mother employed: Full time [1]	Mother employed: Part time	CHILDREN UNDER 5 YEARS: Total	Mother employed: Full time [1]	Mother employed: Part time	Under 1 year	1 and 2 years	3 and 4 years	Children 5-14 years, total
Total	**26,455**	**16,812**	**9,643**	**8,168**	**5,060**	**3,108**	**1,385**	**3,267**	**3,516**	**18,287**
Care in child's home	4,699	2,480	2,219	2,534	1,235	1,300	516	1,068	950	2,164
By father	2,496	1,133	1,363	1,282	542	740	252	528	502	1,214
By grandparent	712	423	289	467	259	209	102	208	157	244
By other relative	804	539	265	306	183	123	44	147	114	498
By nonrelative	687	385	302	479	251	228	118	185	115	208
Care in another home	3,801	2,675	1,126	3,020	2,135	884	563	1,368	1,089	782
By grandparent	1,138	743	395	833	533	300	174	361	298	305
By other relative	467	285	182	368	212	155	70	130	167	100
By nonrelative	2,196	1,647	549	1,819	1,390	429	319	877	624	377
Organized child care facilities	2,411	1,830	581	1,888	1,415	473	195	563	1,131	523
Day/group care center	1,440	1,067	373	1,142	835	307	116	401	625	298
Nursery school/preschool	971	763	208	746	580	166	79	162	506	225
Kindergarten/grade school	13,815	8,976	4,839	61	21	41	(x)	(x)	61	13,753
Child cares for self	488	354	134	(x)	(x)	(x)	(x)	(x)	(x)	488
Parent cares for child [2]	1,245	497	748	663	252	412	112	267	285	581
PERCENT DISTRIBUTION										
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Care in child's home	17.8	14.8	23.0	31.0	24.4	41.8	37.3	32.7	27.0	11.8
By father	9.4	6.7	14.1	15.7	10.7	23.8	18.2	16.2	14.3	6.6
By grandparent	2.7	2.5	3.0	5.7	5.1	6.7	7.4	6.4	4.5	1.3
By other relative	3.0	3.2	2.7	3.7	3.6	4.0	3.2	4.5	3.3	2.7
By nonrelative	2.6	2.3	3.1	5.9	5.0	7.3	8.5	5.7	5.0	1.1
Care in another home	14.4	15.9	11.7	37.0	42.2	28.4	40.6	41.9	31.0	4.3
By grandparent	4.3	4.4	4.1	10.2	10.5	9.7	12.6	11.0	8.5	1.7
By other relative	1.8	1.7	1.9	4.5	4.2	5.0	5.1	4.0	4.7	.5
By nonrelative	8.3	9.8	5.7	22.3	27.5	13.8	23.0	26.8	17.7	2.1
Organized child care facilities	9.1	10.8	6.1	23.1	28.0	15.2	14.1	17.2	32.2	2.9
Day/group care center	5.4	6.3	3.9	14.0	16.5	9.9	8.4	12.3	17.8	1.6
Nursery school/preschool	3.7	4.5	2.2	9.1	11.5	5.3	5.7	5.0	14.4	1.2
Kindergarten/grade school	52.2	53.4	50.2	.8	.4	1.3	(x)	(x)	1.7	75.2
Child cares for self	1.8	2.1	1.4	(x)	(x)	(x)	(x)	(x)	(x)	2.7
Parent cares for child [2]	4.7	3.0	7.8	8.1	5.0	13.3	8.1	8.2	8.1	3.2

X Not applicable. [1] Full-time jobs comprise 35 hours or more per week. [2] Includes women working at home or [illegible] from home.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-70, No. 9.

No. 614. Percent of Adult Population Doing Volunteer Work: 1981 to 1987

[1981 and 1985, cover persons 14 years old and over; 1987 data cover persons 18 years old and over. Volunteers are persons who worked in some way to help others for no monetary pay during the previous year. Data for 1981 were collected in March 1981, 1985 data were collected in October 1985, and 1987 data were collected in March 1988 as part of Gallup Poll. Based on a sample and subject to sampling variability, see source]

AGE AND SEX	1981	1985	1987
Total	**52**	**48**	[1] **45**
14-17 years old	53	52	(NA)
18-24 years old	54	43	42
25-34 years old	55	53	45
35-44 years old		[2] 54	54
45-54 years old		[3] 44	47
55-64 years old			47
65-74 years old	37	43	40
75 years old and over		26	29
Male	47	45	44
Female	56	51	47

EDUCATIONAL ATTAINMENT AND HOUSEHOLD INCOME	1981	1985
Grade school	26	29
High school, 1-3 yrs	31	38
High school, 4 yrs	54	46
College, 1-3 yrs	65	61
College, 4 yrs. or more	75	65
Under $10,000	36	40
$10,000-$19,999	49	42
$20,000-$39,999	64	52
$20,000-$29,999	(NA)	44
$30,000-$39,999	(NA)	64
$40,000 and over	62	60

TYPE OF ACTIVITY	1981	1985
Percent of volunteers involved in—		
Religious organizations	37	48
Education	23	27
Recreation	13	21
Health	23	19
Civil, social, fraternal organizations	12	17
Social services, welfare	10	15
Community action	12	8
Political organizations	12	8
Informal, alone	44	40
General fund-raisers	12	23

NA Not available. [1] Persons 18 years old and over. [2] Persons 35-49 years old. [3] Persons 50-64 years old.

Source: INDEPENDENT SECTOR, Washington, DC, *Americans Volunteer, 1985*, April 1986 (copyright) and Hodgkinson, Virginia, Murray Weitzman, and the Gallup Organization, Inc., *Giving and Volunteering in the United States: 1988 Edition*. (Copyright and published by INDEPENDENT SECTOR, Washington, DC, Fall 1988.)

No. 615. Charity Contributions—Average Dollar Amount and Percent of Household Income, by Age of Respondent and Volunteer Status: 1987

[Estimates cover households' contribution activity for the year and are based on respondents' replies as to contribution and volunteer activity of household. Based on a sample survey conducted in March 1988 and subject to sampling variability; see source]

ITEM	Total	18-24 years old	25-34 years old	35-44 years old	45-54 years old	55-64 years old	65-74 years old	75 years old and over
AVERAGE AMOUNT (dollars)								
Contributors	790	219	625	825	1,066	1,094	959	737
Contributors only	489	266	359	515	619	479	552	762
Contributors and volunteers	1,021	188	827	1,001	1,388	1,593	1,361	687
CONTRIBUTIONS AS PERCENT OF HOUSEHOLD INCOME								
Contributors	1.9	.6	1.6	1.8	2.1	2.6	3.1	3.0
Contributors only	1.3	.8	.9	1.1	1.4	1.3	1.8	3.2
Contributors and volunteers	2.4	.5	2.1	2.2	2.5	3.5	4.2	2.6

Source: Hodgkinson, Virginia, Murray Weitzman, and the Gallup Organization, Inc., *Giving and Volunteering in the United States: 1988 Edition*. (Copyright and published by INDEPENDENT SECTOR, Washington, DC, Fall 1988.)

No. 616. Private Philanthropy Funds, by Source and Allocation: 1970 to 1987

[**In billions of dollars.** Estimates for sources of funds based on U.S. Internal Revenue Service reports of corporate and foundation tax returns, individual charitable deductions, econometric formula utilizing Commerce Department data on personal income, Standard & Poor's 500 Composite Index, Census population data. Also, surveys conducted by Council for Aid to Education, The Conference Board, The Foundation Center, and other research organizations. Estimates for allocation of funds based on surveys of recipient organizations conducted by source and other groups. See *Historical Statistics, Colonial Times to 1970*, series H 398-411, for similar but not comparable data]

SOURCE AND ALLOCATION	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total funds	**21.0**	**26.6**	**36.3**	**39.0**	**43.7**	**48.7**	**55.5**	**60.0**	**65.2**	**73.6**	**80.3**	**88.0**	**93.7**
Individuals	16.2	23.5	29.6	32.1	36.6	40.7	46.4	48.5	53.5	60.7	65.9	72.0	76.8
Foundations	1.9	1.7	2.0	2.2	2.4	2.8	3.1	3.2	3.6	4.0	4.9	5.9	6.4
Corporations	.8	1.2	1.8	2.1	2.3	2.4	2.5	2.9	3.6	4.0	4.3	4.5	4.5
Charitable bequests	2.1	2.2	3.0	2.6	2.2	2.9	3.5	5.5	4.5	4.9	5.2	5.6	5.9
Allocation:													
Religion	9.3	12.8	17.0	18.4	20.2	22.2	25.1	28.1	31.6	35.4	37.7	41.7	43.6
Health	3.4	4.2	5.0	5.4	6.1	6.7	7.7	8.4	9.2	10.3	11.3	12.3	13.7
Education	3.3	3.8	4.8	5.5	6.0	6.9	7.8	8.4	9.0	10.0	11.1	10.1	10.8
Human service	2.9	2.9	3.6	3.9	4.5	4.9	5.6	6.3	6.9	7.9	8.6	9.1	9.8
Arts, culture and humanities	.7	1.6	2.3	2.4	2.7	3.2	3.7	5.0	4.0	4.5	5.1	5.8	6.4
Public/society benefit	.5	.8	1.2	1.1	1.2	1.5	1.8	1.7	1.6	1.9	2.2	2.4	2.4
Other	.9	2.6	2.5	2.4	3.0	3.5	3.9	2.2	2.7	3.3	3.9	4.0	4.0
Unallocated	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	3.0

NA Not available.

Source: AAFRC Trust for Philanthropy, New York, NY, *Giving USA*, annual. (Copyright.)

No. 617. Foundations—Number and Finances by Asset Size

[Figures are for latest year reported by foundations, usually 1985 or 1986. Covers nongovernment nonprofit organizations with funds and programs managed by their own trustees or directors, whose goal was to maintain or aid social, educational, religious, or other activities deemed to serve the common good. Excludes organizations which make general appeals to the public for funds, act as trade associations for industrial or other special groups, or do not currently award grants. Z Less than .5 percent]

ASSET SIZE	Number	Assets (mil. dol.)	Expenditures (mil. dol.)	Grants (mil. dol.)	Gifts received (mil. dol.)	PERCENT DISTRIBUTION				
						Number	Assets	Expenditures	Grants	Gifts received
Total	**25,639**	**102,065**	**7,037**	**6,027**	**5,180**	**100**	**100**	**100**	**100**	**100**
Under $50,000	7,154	122	187	174	152	28	(Z)	3	3	3
$50,000-$99,999	2,733	198	78	69	60	11	(Z)	1	1	1
$100,000-$249,999	4,357	707	151	136	122	17	1	2	2	2
$250,000-$499,999	3,065	1,096	187	167	154	12	1	3	3	3
$500,000-$999,999	2,653	1,873	265	232	221	10	2	4	4	4
$1,000,000-$4,999,999	3,739	8,317	875	744	695	15	8	12	12	14
$5,000,000-$9,999,999	815	5,761	530	440	366	3	5	8	7	7
$10,000,000-$49,999,999	846	17,395	1,369	1,151	1,044	3	17	19	19	20
$50,000,000-$99,999,999	129	8,811	566	458	323	(Z)	9	8	8	6
$100,000,000 or more	148	57,785	2,831	2,456	2,043	(Z)	56	40	41	40

Source: The Foundation Center, New York, NY, *The National Data Book*, 12th edition, 1988.

No. 618. Foundations—Grants Reported, by Subject Field and Recipient Organization: 1982 to 1987

[Number and type of foundations reporting varies from year to year. Covers grants of $5,000 or more in size. For 1987, based on reports of 473 foundations which represented about 43 percent of all grant dollars awarded by private foundations. For definition of foundation, see headnote, table 617]

SUBJECT FIELD AND RECIPIENT ORGANIZATION	NUMBER OF GRANTS					AMOUNT						
						Total (mil. dol.)					Percent distribution	
	1982	1984	1985	1986	1987	1982	1984	1985	1986	1987	1982	1987
Total[1]	**27,121**	**35,040**	**36,320**	**40,546**	**43,032**	**1,490**	**1,647**	**2,013**	**2,217**	**2,589**	**100.0**	**100.0**
Welfare	9,014	11,174	12,186	13,491	14,226	387	454	523	586	698	25.9	26.9
Health	4,584	5,911	6,009	6,488	7,246	312	391	474	454	600	20.9	23.2
Education	5,145	6,099	6,059	7,057	7,007	356	286	338	485	452	23.8	17.5
Culture	4,435	5,542	6,246	7,334	7,897	209	229	294	327	389	14.0	15.0
Science	1,644	2,148	2,266	2,455	2,514	96	123	177	142	194	6.4	7.5
Social science	1,704	2,354	2,852	3,138	3,274	102	126	169	195	213	6.8	8.2
Religion	595	812	702	583	868	28	38	38	27	43	1.8	1.7
Educational institutions	8,316	9,887	9,739	11,294	11,671	634	578	716	851	949	42.5	36.7
Direct service agencies	7,981	9,673	11,147	12,875	13,489	277	354	418	483	548	18.5	21.2
Hospitals and medical care facilities	1,660	1,903	1,864	2,033	2,021	120	114	140	138	155	8.1	6.0
Research institutes	1,101	1,453	1,883	2,174	2,194	77	147	189	201	273	5.2	10.5
Associations and profess. societies	2,600	3,904	4,599	5,242	5,964	95	148	189	215	274	6.3	10.6
Museums and historical societies	1,134	1,300	1,501	1,824	2,001	88	91	115	125	159	5.9	6.1
Performing arts group	1,668	2,031	2,343	2,721	3,030	61	76	87	96	115	4.1	4.4
Government agencies	669	947	921	1,141	1,225	47	52	69	71	91	3.2	3.5
Community funds	718	1,079	959	1,261	1,139	43	65	67	80	81	2.9	3.1
Libraries	370	421	493	570	559	27	25	63	66	65	1.8	2.5
Churches and temples	572	745	682	542	649	25	23	29	19	24	1.7	.9

[1] Grants may be awarded to multiple types of recipient organizations and would thereby be double-counted.

Source: The Foundation Center, New York, NY, *Foundation Grants Index*, annual.

No. 619. Corporate Philanthropy—Beneficiaries: 1975 to 1986

[In millions of dollars, except percent. Based on a sample of corporations that gave at least $100,000; see source]

BENEFICIARY	1975	1977	1980	1981	1982	1983	1984	1985	1986	
									Total	Percent of total
Total[1]	**436.8**	**593.9**	**994.6**	**1,170.6**	**1,281.6**	**1,278.4**	**1,444.3**	**1,694.7**	**1,673.7**	**100.0**
Health and human services[1]	180.0	227.6	337.9	393.3	397.3	367.6	399.9	494.1	468.6	28.0
Federated drives	104.6	128.5	170.7	(NA)	182.4	(NA)	193.9	(NA)	225.9	13.5
Other local health, human services	20.5	25.0	41.7	(NA)	44.6	(NA)	71.2	(NA)	(NA)	(NA)
Education[1]	158.4	220.0	375.8	429.8	522.2	498.8	561.7	650.0	718.0	42.9
Dept. and research grants[2]	23.8	31.6	64.7	(NA)	114.6	(NA)	175.3	(NA)	198.5	11.9
Employee matching gifts[2]	14.0	22.4	45.4	(NA)	71.2	(NA)	72.2	(NA)	98.7	5.9
Unrestricted operating grants[2]	29.1	34.8	56.0	(NA)	57.4	(NA)	38.7	(NA)	70.0	4.2
Culture and art	33.0	53.2	108.7	139.6	145.6	145.2	154.7	187.5	198.7	11.9
Civic, community activities[1]	45.2	68.3	116.8	136.6	149.3	188.8	271.6	279.5	220.5	13.2
Community improvement	15.2	26.3	47.0	(NA)	48.2	(NA)	30.5	(NA)	12.6	.8
Environment; ecology	7.5	15.1	10.8	(NA)	13.8	(NA)	97.1	(NA)	35.9	2.1

NA Not available. [1] Includes other beneficiaries not shown separately. [2] Higher education institutions.

Source: Platzer, Linda Cardillo, *Annual Survey of Corporate Contributions*, The Conference Board, New York, NY. (Copyr

Section 13

Labor Force, Employment, and Earnings

This section presents data on the labor force; its distribution by occupation and industry affiliation; and the supply of, demand for, and conditions of labor. The chief source of these data is the Current Population Survey conducted by the U.S. Bureau of the Census. Comprehensive historical data are published by the Bureau of Labor Statistics (BLS) in *Labor Force Statistics Derived From the Current Population Survey, 1948-87, BLS Bulletin 2307.* These data are supplemented on a current basis by the BLS monthly publications *Employment and Earnings* and the *Monthly Labor Review.* Detailed data on the labor force are also available from the Census Bureau's decennial census of population.

Types of data.—Most statistics in this section are obtained by two methods: household interviews or questionnaires, and reports of establishment payroll records. Each method provides data which the other cannot suitably supply. Population characteristics, for example, are readily obtainable only from the household survey, while detailed industrial classifications can be readily derived only from establishment records.

Household data are obtained from a monthly sample survey of the population. The Current Population Survey (CPS) is used to gather data for the week including the 12th of the month, and provides current comprehensive data on the labor force (see text, section 1). The CPS provides information on the work status of the population without duplication since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once, according to the job at which they work the most hours during the survey week.

Monthly data from the CPS are published by the Bureau of Labor Statistics in *Employment and Earnings* and the related reports mentioned above. Data presented include national totals by sex, race, Hispanic origin, and age, of the number of persons in the civilian labor force; the number employed, hours of work; industry and occupational groups; and the number unemployed, reasons for, and duration of unemployment. Monthly data from the CPS are also presented for 11 large States. Annual data shown in this section are averages of monthly figures for each calendar year, unless otherwise specified.

In addition to monthly data, the CPS also produces annual estimates of employment and unemployment for each State, 50 large metropolitan statistical areas and selected cities. These estimates are published by BLS in its annual *Geographic Profile of Employment and Unemployment.* More detailed geographic data (e.g., for counties and cities) are provided by the decennial population censuses.

Data based on establishment records are compiled by BLS and cooperating State agencies as part of an ongoing Current Employment Statistics Program. Data, gathered from a sample of employers who voluntarily complete mail questionnaires monthly, are supplemented by data from other government agencies and adjusted at intervals to data from government social insurance program reports. The estimates exclude proprietors of unincorporated firms, self-employed persons, private household workers, unpaid family workers, agricultural workers, and the Armed Forces. In March 1987, reporting establishments employed 10 million manufacturing workers (51 percent of the total manufacturing employment at the time), 16 million workers in nonmanufacturing industries (24 percent of the total in nonmanufacturing), and 13 million Federal, State, and local government employees (72 percent of total government).

The establishment survey counts workers each time they appear on a payroll during the reference week (as with the CPS, the week including the 12th of the month). Thus, unlike the CPS, a person with two jobs is counted twice. The establishment survey is designed to provide detailed industry information for the Nation, States, and metropolitan areas on nonagricultural wage and salary employment, average weekly hours, and average hourly and weekly earnings. Establishment survey data are published in *Employment and Earnings* and the *Monthly Labor Review,* cited above. Historical national and geographic data are published in *BLS Bulletin 1312-12, Employment, Hours, and Earnings, United States, 1909-84* and *Bulletin 1370-17, Employment, Hours, and Earn-*

ings, 1939-82 (data for States and areas), and their supplements. (An updated bulletin, *Employment, Hours, and Earnings, States and Areas, 1972-87* is forthcoming.)

Labor force.—According to the CPS definitions, the civilian labor force comprises all civilians in the noninstitutional population 16 years and over classified as "employed" or "unemployed" according to the criteria below: Employed civilians comprise (a) all civilians, who, during the reference week, did any work for pay or profit (minimum of an hour's work) or worked 15 hours or more as unpaid workers in a family enterprise, and (b) all civilians who were not working but who had jobs or businesses from which they were temporarily absent for noneconomic reasons (illness, weather conditions, vacation, labor-management dispute, etc.). Unemployed persons comprise all civilians who had no employment during the reference week, who made specific efforts to find a job within the previous four weeks (such as applying directly to an employer, or to a public employment service, or checking with friends) and who were available for work during that week. Persons on layoff from a job or waiting to report to a new job within 30 days are also classified as unemployed if they are available for work. All other persons, 16 years old and over, are "not in the labor force." The labor force includes, in addition to the civilian employed and unemployed, members of the Armed Forces stationed in the United States. They are also included in the employed totals.

Beginning in 1982, changes in the estimation procedures and the introduction of 1980 census data caused substantial increases in the population and estimates of persons in all labor force categories. Rates on labor force characteristics, however, were essentially unchanged. In order to avoid major breaks in series, some 30,000 labor force series were adjusted back to 1970. The effect of the 1982 revisions on various data series and an explanation of the adjustment procedure used are described in "Revisions in the Current Population Survey in January 1982," in the February 1982 issue of *Employment and Earnings*. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1985, the CPS estimation procedure was revised due to the implementation of a new sample design. A description of the changes and an indication of their effect on the national estimates of labor force characteristics appear in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of *Employment and Earnings*. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin, which were revised to the extent possible, back to January 1980.

Beginning in January 1986, the CPS estimation procedure was revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of legal foreign-born emigrants for the same time period. The revisions had a comparatively small effect on the total population and labor force estimates, but their effect on the estimates of persons of Hispanic origin was more pronounced. As a result, data for Hispanics, to the extent possible, were again revised back to January 1980. An explanation of the changes and their effect on estimates of labor force characteristics appears in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of *Employment and Earnings*.

Hours and earnings.—Average hourly earnings, based on establishment data, are gross earnings (i.e., earnings before payroll deductions) and include overtime premiums; they exclude irregular bonuses and value of payments in kind. Hours are those for which pay was received. Wages and salaries from the CPS consist of total monies received for work performed by an employee during the income year. It includes wages, salaries, commissions, tips, piece-rate payments, and cash bonuses earned before deductions were made for taxes, bonds, union dues, etc. Persons who worked 35 hours or more are classified as working full time (see table 629).

Industrial and occupational groups.—Establishments responding to the establishment survey are classified into industries on the basis of their principal product or activity (determined by annual sales volume) in accordance with the 1972 Standard Industrial Classification (SIC) Manual, Office of Management and Budget. The SIC is a classification structure for the entire national economy. The structure provides data on a division and industry code basis, according to the level of industrial detail. For example, manufacturing is a major industrial division, food and kindred products (code 20) is one of its major groups. One of the ways this group is further divided is into meat products (code 201) and meat packing plants (code 2011). Periodically, the SIC is revised to reflect changes in the industrial composition of the economy. (The 1987 SIC Manual will be implemented in 1989-90).

Industry data derived from the CPS beginning in January 1983 utilize the industrial classification developed for the 1980 Census of Population. CPS data from 1971 to 1982 were based on the 1970 census classification system. Both population census systems are developed from the SIC.

The 1970 system is based on the 1967 SIC, whereas, the 1980 system relates to the 1972 edition. Most of the industry categories were not affected by the change in classification.

The occupational classification system used in the 1980 census and in the CPS beginning in January 1983, evolved from the 1980 Standard Occupational Classification (SOC) system, first introduced in 1977. Occupational categories used in the 1980 census classification system are so radically different from the 1970 census system used in the CPS through 1982, that their implementation represented a break in historical data series. In cases where data have not yet been converted to the 1980 classifications and still reflect the 1970 classifications (e.g., table 669), comparisons between the two systems should not be made. To help users bridge the data gap, a limited set of estimates was developed for the 1972-1982 period based on the new classifications. The estimates were developed by means of applying conversion factors created by double coding a 20-percent sample of CPS occupational records for 6 months during 1981-82.–For further details, contact BLS.

Productivity—The Bureau of Labor Statistics (BLS) publishes data on productivity as measured by output per hour (labor productivity), output per combined unit of labor and capital input (multifactor productivity), and, for manufacturing industries, output per combined unit of capital, labor, energy, materials, and purchased service inputs. Labor productivity and related indexes are published for the business sector as a whole and its major subsectors: nonfarm business, manufacturing, nonfinancial corporations, 146 specific industries, and various functional areas of the Federal civilian government. Multifactor productivity and related measures are published for the private business sector and its major subsectors. Productivity indexes which take into account capital, labor, energy, materials, and service inputs are published for the 20 major 2-digit industry groups which comprise the manufacturing sector, and for the steel and motor vehicle industries. The major sector data are published in the BLS quarterly news release, *Productivity and Costs* and in the annual *Multifactor Productivity Measures* release. The specific industry productivity measures are published annually in the BLS Bulletin, *Productivity Measures for Selected Industries,* and the *Handbook of Labor Statistics.* Detailed information on methods, limitations, and data sources appears in the *BLS Handbook of Methods,* BLS Bulletin 2285 (1988), chapters 10 and 11.

Unions.—As defined here, unions include traditional labor unions and employee associations similar to labor unions. Data on union membership status provided by BLS are for employed wage and salary workers and relate to their principal job. Earnings by union membership status are usual weekly earnings of full-time wage and salary workers. The information is collected through the Current Population Survey. For a full description of the method of collection and comparability with earlier data, see "New Data on Union Members and Their Earnings" in the January 1985 issue of *Employment and Earnings,* and "Changing Employment Patterns of Organized Workers" in the February 1985 issue of the *Monthly Labor Review.* Collective bargaining settlements data are available for bargaining situations involving 1,000 or more workers in private industry and State and local government.

Recently, the *Union Sourcebook,* an annual publication by Leo Troy and Neil Sheflin of Rutgers University, has provided alternative estimates of union membership (see table 683). Due to differences in concept, method, scope, and reference period, BLS indicates a somewhat lower membership figure than does the *Sourcebook.* For example, BLS data are based on a sample survey and are subject to sampling error, while the *Sourcebook* data are figures covering all known labor organizations and are derived largely from financial reports of labor organizations. For a detailed discussion of the methodology used in the *Sourcebook* and differences with BLS data, see the *Sourcebook.*

Work stoppages.—Work stoppages include all strikes and lockouts known to BLS which last for at least one full day or shift and involve 1,000 or more workers. All stoppages, whether or not authorized by a union, legal or illegal, are counted. Excluded are work slowdowns and instances where employees report to work late, or leave early, to attend mass meetings or mass rallies.

Seasonal adjustment.—Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation (e.g., climate or school openings and closings), it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but also are affected by the uncertainties of the adjustment process itself.

Statistical reliability.—For discussion of statistical collection, estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau and BLS data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

No. 620. EMPLOYMENT STATUS OF THE NONINSTITUTIONAL POPULATION 16 YEARS OLD AND OVER: 1950 TO 1987

[**In thousands, except as indicated.** Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970,* series D 11-19 and D 85-86]

YEAR	Noninstitutional population	LABOR FORCE								Not in labor force
		Number	Employed					Unemployed		
			Total	Resident Armed Forces	Civilian			Number	Percent of labor force [1]	
					Total	Agriculture	Non agriculture industries			
1950	106,164	63,377	60,087	1,169	58,918	7,160	51,758	3,288	5.2	42,787
1955	111,747	67,087	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660
1960	119,106	71,489	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617
1965	128,459	76,401	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058
1970	139,203	84,889	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315
1975	154,831	95,453	87,524	1,676	85,846	3,408	82,438	7,929	8.3	59,377
1976	157,818	97,826	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991
1977	160,689	100,665	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025
1978	163,541	103,882	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659
1979	166,460	106,559	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900
1980	169,349	108,544	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806
1981	171,775	110,315	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460
1982	173,939	111,872	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067
1983	175,891	113,226	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665
1984	178,080	115,241	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839
1985	179,912	117,167	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744
1986	182,293	119,540	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752
1987	184,490	121,602	114,177	1,737	112,440	3,208	109,232	7,425	6.1	62,888
PERCENT DISTRIBUTION										
1950	100.0	59.7	56.6	1.1	55.5	6.7	48.8	3.1	(X)	40.3
1960	100.0	60.0	56.8	1.6	55.2	4.6	50.6	3.2	(X)	40.0
1970	100.0	61.0	58.0	1.5	56.5	2.5	54.0	2.9	(X)	39.0
1980	100.0	64.1	59.6	.9	58.6	2.0	56.7	4.5	(X)	35.9
1985	100.0	65.1	60.5	.9	59.6	1.8	57.8	4.6	(X)	34.9
1987	100.0	65.9	61.9	.9	60.9	1.7	59.2	4.0	(X)	34.1

X Not applicable. [1] Unemployment as a percent of the labor force, including resident Armed Forces.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly.

No. 621. CIVILIAN LABOR FORCE AND PARTICIPATION RATES BY RACE, HISPANIC ORIGIN, SEX, AND AGE, 1970 TO 1987, AND PROJECTIONS, 1995 AND 2000

[**For civilian noninstitutional population 16 years old and over.** Annual averages of monthly figures. Rates are based on annual average civilian noninstitutional population of each specified group and represent proportion of each specified group in the civilian labor force. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970,* series D 42-48]

RACE, SEX, AND AGE	CIVILIAN LABOR FORCE (millions)							PARTICIPATION RATE (percent)						
	1970	1975	1980	1985	1987	1995	2000	1970	1975	1980	1985	1987	1995	2000
Total [1]	**82.8**	**93.8**	**106.9**	**115.5**	**119.9**	**131.6**	**138.8**	**60.4**	**61.2**	**63.8**	**64.8**	**65.6**	**67.2**	**67.8**
White	73.6	82.8	93.6	99.9	103.3	111.7	116.7	60.2	61.5	64.1	65.0	65.8	67.5	68.2
Male	46.0	50.3	54.5	56.5	57.8	60.5	62.3	80.0	78.7	78.2	77.0	76.8	75.9	75.3
Female	27.5	32.5	39.1	43.5	45.5	51.2	54.4	42.6	45.9	51.2	54.1	55.7	59.7	61.5
Black [2]	9.2	9.3	10.9	12.4	13.0	15.1	16.3	61.8	58.8	61.0	62.9	63.8	65.6	66.0
Male	5.2	5.0	5.6	6.2	6.5	7.4	7.9	76.5	71.0	70.6	70.8	71.1	71.4	70.7
Female	4.0	4.2	5.3	6.1	6.5	7.7	8.4	49.5	48.9	53.2	56.5	58.0	60.9	62.1
Hispanic [3]	(NA)	(NA)	6.1	7.7	8.5	11.8	14.1	(NA)	(NA)	64.0	64.6	66.4	69.7	68.7
Male	(NA)	(NA)	3.8	4.7	5.2	7.0	8.3	(NA)	(NA)	81.4	80.3	81.0	80.9	80.4
Female	(NA)	(NA)	2.3	3.0	3.4	4.7	5.8	(NA)	(NA)	47.4	49.3	52.0	54.7	56.9
Male	51.2	56.3	61.5	64.4	66.2	70.4	73.1	79.7	77.9	77.4	76.3	76.2	75.3	74.7
16-19 years	4.0	4.8	5.0	4.1	4.1	4.0	4.5	56.1	59.1	60.5	56.8	56.1	58.5	60.2
16 and 17 years	1.8	2.1	2.1	1.7	1.7	1.7	1.9	47.0	48.6	50.1	45.1	45.6	47.4	48.7
18 and 19 years	2.2	2.7	2.9	2.5	2.4	2.3	2.6	66.7	70.6	71.3	68.9	67.4	70.7	72.2
20-24 years	5.7	7.6	8.6	8.3	7.8	6.9	7.0	83.3	84.5	85.9	85.0	85.2	86.8	87.5
25-34 years	11.3	14.2	17.0	18.8	19.7	18.4	16.6	96.4	95.2	95.2	94.7	94.6	93.9	93.6
35-44 years	10.5	10.4	11.8	14.5	15.6	19.4	20.1	96.9	95.6	95.5	95.0	94.6	94.1	93.9
45-54 years	10.4	10.4	9.9	9.9	10.2	13.7	16.3	94.3	92.1	91.2	91.0	90.7	90.6	90.1
55-64 years	7.1	7.0	7.2	7.1	6.9	6.4	7.2	83.0	75.6	72.1	67.9	67.6	64.0	63.2
65 years and over	2.2	1.9	1.9	1.8	1.9	1.6	1.4	26.8	21.6	19.0	15.8	16.3	11.9	9.9
Female	31.5	37.5	45.5	51.1	53.7	61.2	65.6	43.3	46.3	51.5	54.5	56.0	59.8	61.5
16-19 years	3.2	4.1	4.4	3.8	3.9	3.8	4.4	44.0	49.1	52.9	52.1	53.3	57.2	59.2
16 and 17 years	1.3	1.7	1.8	1.5	1.6	1.7	1.8	34.9	40.2	43.6	42.1	44.6	48.3	49.7
18 and 19 years	1.9	2.4	2.6	2.3	2.2	2.2	2.5	53.5	58.1	61.9	61.7	62.2	66.3	68.8
20-24 years	4.9	6.2	7.3	7.4	7.1	6.5	6.7	57.7	64.1	68.9	71.8	73.0	76.4	78.4
25-34 years	5.7	8.7	12.3	14.7	15.6	16.0	15.1	45.0	54.9	65.5	70.9	72.4	79.2	82.3
35-44 years	6.0	6.5	8.6	11.6	12.9	17.1	18.4	51.1	55.8	65.5	71.8	74.5	81.0	84.2
45-54 years	6.5	6.7	7.0	7.5	8.0	11.6	14.2	54.4	54.6	59.9	64.4	67.1	72.7	75.4
55-64 years	4.2	4.3	4.7	4.9	4.9	4.9	5.7	43.0	40.9	41.3	42.0	42.7	44.3	45.8
65 years and over	1.1	1.0	1.2	1.2	1.2	1.2	1.0	9.7	8.2	8.1	7.3	7.4	6.2	5.4

NA Not available. [1] Beginning 1975, includes other races not shown separately. [2] For 1970, Black and other. [3] Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly; *Monthly Labor Review,* September 1987; and unpublished data.

No. 622. Employment Status of the Civilian Noninstitutional Population 16 Years Old and Over by Sex, Race, and Hispanic Origin: 1955 to 1987

[**In thousands, except as indicated.** Annual averages of monthly figures. Based on Current Population Survey; see text, section 1, and Appendix III for methodology. See also *Historical Statistics, Colonial Times to 1970,* Series D 11-19 and D 85-86]

YEAR, SEX, RACE, AND HISPANIC ORIGIN	Civilian noninstitutional population	CIVILIAN LABOR FORCE						NOT IN LABOR FORCE	
		Total	Percent of population	Employed	Employment/population ratio [1]	Unemployed			
						Number	Percent of labor force	Number	Percent of population
Total: [2]									
1955	109,683	65,023	59.3	62,170	56.7	2,852	4.4	44,660	40.7
1960	117,245	69,628	59.4	65,778	56.1	3,852	5.5	47,617	40.6
1965	126,513	74,455	58.9	71,088	56.2	3,366	4.5	52,058	41.1
1970	137,085	82,771	60.4	78,678	57.4	4,093	4.9	54,315	39.6
1975	153,153	93,775	61.2	85,846	56.1	7,929	8.5	59,377	38.8
1980	167,745	106,940	63.8	99,303	59.2	7,637	7.1	60,806	36.2
1981	170,130	108,670	63.9	100,397	59.0	8,273	7.6	61,460	36.1
1982	172,271	110,204	64.0	99,526	57.8	10,678	9.7	62,067	36.0
1983	174,215	111,550	64.0	100,834	57.9	10,717	9.6	62,665	36.0
1984	176,383	113,544	64.4	105,005	59.5	8,539	7.5	62,839	35.6
1985	178,206	115,461	64.8	107,150	60.1	8,312	7.2	62,744	35.2
1986	180,587	117,834	65.3	109,597	60.7	8,237	7.0	62,752	34.7
1987	182,753	119,865	65.6	112,440	61.5	7,425	6.2	62,888	34.4
Male:									
1955	52,109	44,475	85.4	42,621	81.8	1,854	4.2	7,634	14.7
1960	55,662	46,388	83.3	43,904	78.9	2,486	5.4	9,274	16.7
1965	59,782	48,255	80.7	46,340	77.5	1,914	4.0	11,527	19.3
1970	64,304	51,228	79.7	48,990	76.2	2,238	4.4	13,076	20.3
1975	72,291	56,299	77.9	51,857	71.7	4,442	7.9	15,993	22.1
1980	79,398	61,453	77.4	57,186	72.0	4,267	6.9	17,945	22.7
1981	80,511	61,974	77.0	57,397	71.3	4,577	7.4	18,537	23.0
1982	81,523	62,450	76.6	56,271	69.0	6,179	9.9	19,073	23.4
1983	82,531	63,047	76.4	56,787	68.8	6,260	9.9	19,484	23.6
1984	83,605	63,835	76.4	59,091	70.7	4,744	7.4	19,771	23.6
1985	84,469	64,411	76.3	59,891	70.9	4,521	7.0	20,058	23.7
1986	85,798	65,422	76.3	60,892	71.0	4,530	6.9	20,376	23.7
1987	86,899	66,207	76.2	62,107	71.5	4,101	6.2	20,692	23.8
Female:									
1955	57,574	20,548	35.7	19,551	34.0	998	4.9	37,026	64.3
1960	61,582	23,240	37.7	21,874	35.5	1,366	5.9	38,343	62.3
1965	66,731	26,200	39.3	24,748	37.1	1,452	5.5	40,531	60.7
1970	72,782	31,543	43.3	29,688	40.8	1,855	5.9	41,239	56.7
1975	80,860	37,475	46.3	33,989	42.0	3,486	9.3	43,386	53.7
1980	88,348	45,487	51.5	42,117	47.7	3,370	7.4	42,861	48.5
1981	89,618	46,696	52.1	43,000	48.0	3,696	7.9	42,922	47.8
1982	90,748	47,755	52.6	43,256	47.7	4,499	9.4	42,993	47.4
1983	91,684	48,503	52.9	44,047	48.0	4,457	9.2	43,181	47.1
1984	92,778	49,709	53.6	45,915	49.5	3,794	7.6	43,068	46.4
1985	93,736	51,050	54.5	47,259	50.4	3,791	7.4	42,686	45.5
1986	94,789	52,413	55.3	48,706	51.4	3,707	7.1	42,376	44.7
1987	95,853	53,658	56.0	50,334	52.5	3,324	6.2	42,195	44.0
White:									
1955	98,880	58,085	58.7	55,833	56.5	2,252	3.9	40,798	41.3
1960	105,282	61,915	58.8	58,850	55.9	3,065	5.0	43,367	41.1
1965	113,284	66,137	58.4	63,445	56.0	2,691	4.1	47,147	41.6
1970	122,174	73,556	60.2	70,217	57.5	3,339	4.5	48,618	39.8
1975	134,790	82,831	61.5	76,411	56.7	6,421	7.8	51,959	38.5
1980	146,122	93,600	64.1	87,715	60.0	5,884	6.3	52,522	35.9
1981	147,908	95,052	64.3	88,709	60.0	6,343	6.7	52,856	35.7
1982	149,441	96,143	64.3	87,903	58.8	8,241	8.6	53,298	35.7
1983	150,805	97,021	64.3	88,893	58.9	8,128	8.4	53,784	35.7
1984	152,347	98,492	64.6	92,120	60.5	6,372	6.5	53,855	35.4
1985	153,679	99,926	65.0	93,736	61.0	6,191	6.2	53,753	35.0
1986	155,432	101,801	65.5	95,660	61.5	6,140	6.0	53,631	34.5
1987	156,958	103,290	65.8	97,789	62.3	5,501	5.3	53,669	34.2
Black:									
1973	14,917	8,976	60.2	8,128	54.5	846	9.4	5,941	39.8
1975	15,751	9,263	58.8	7,894	50.1	1,369	14.8	6,488	41.2
1980	17,824	10,865	61.0	9,313	52.2	1,553	14.3	6,959	39.0
1981	18,219	11,086	60.8	9,355	51.3	1,731	15.6	7,133	39.2
1982	18,584	11,331	61.0	9,189	49.4	2,142	18.9	7,254	39.0
1983	18,925	11,647	61.5	9,375	49.5	2,272	19.5	7,278	38.5
1984	19,348	12,033	62.2	10,119	52.3	1,914	15.9	7,315	37.8
1985	19,664	12,364	62.9	10,501	53.4	1,864	15.1	7,299	37.1
1986	19,989	12,654	63.3	10,814	54.1	1,840	14.5	7,335	36.7
1987	20,352	12,993	63.8	11,309	55.6	1,684	13.0	7,359	36.2
Hispanic: [3]									
1980	9,598	6,146	64.0	5,527	57.6	620	10.1	3,452	36.0
1981	10,120	6,492	64.1	5,813	57.4	678	10.4	3,628	35.8
1982	10,580	6,734	63.6	5,805	54.9	929	13.8	3,846	36.4
1983	11,029	7,033	63.8	6,072	55.1	961	13.7	3,996	36.2
1984	11,478	7,451	64.9	6,651	57.9	800	10.7	4,027	35.1
1985	11,915	7,698	64.6	6,888	57.8	811	10.5	4,217	35.4
1986	12,344	8,076	65.4	7,219	58.5	857	10.6	4,268	34.6
1987	12,867	8,541	66.4	7,790	60.5	751	8.8	4,327	33.6

[1] Civilian employed as a percent of the civilian noninstitutional population. [2] Includes other races, not shown separately.
[3] Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly.

No. 623. Characteristics of the Civilian Labor Force, by State: 1987

[**In thousands, except ratio and rate.** For civilian noninstitutional population, 16 years old and over. Annual averages of monthly figures. U.S. totals derived by independent population controls; therefore State data may not add to U.S. totals. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION AND STATE	TOTAL		EMPLOYED		Employed/population ratio [1]	UNEMPLOYED					PARTICIPATION RATE [3]	
	Number	Female	Total	Female		Total		Rate [2]			Male	Female
						Number	Female	Total	Male	Female		
United States	**119,865**	**53,658**	**112,440**	**50,334**	**61.5**	**7,425**	**3,324**	**6.2**	**6.2**	**6.2**	**76.2**	**56.0**
Region:												
Northeast	24,924	11,197	23,805	10,722	61.0	1,120	475	4.5	4.7	4.2	74.9	54.1
Midwest	29,826	13,389	27,840	12,536	62.1	1,986	853	6.7	6.9	6.4	77.1	57.0
South	40,579	18,238	37,819	16,928	60.7	2,760	1,310	6.8	6.5	7.2	75.6	55.7
West	24,575	10,854	23,018	10,169	62.8	1,557	685	6.3	6.4	6.3	77.4	57.4
New England	**6,829**	**3,167**	**6,601**	**3,062**	**66.2**	**228**	**105**	**3.3**	**3.4**	**3.3**	**78.0**	**60.0**
Maine	587	262	561	249	62.5	26	13	4.4	3.8	5.1	75.6	56.0
New Hampshire	588	265	573	258	71.3	15	7	2.5	2.5	2.6	82.1	64.6
Vermont	296	137	285	131	68.9	11	6	3.6	3.2	4.1	79.5	64.0
Massachusetts	3,086	1,443	2,987	1,399	65.1	99	44	3.2	3.4	3.0	77.0	58.8
Rhode Island	519	245	500	236	65.5	20	10	3.8	3.7	3.9	76.7	60.5
Connecticut	1,752	815	1,695	789	67.6	58	26	3.3	3.4	3.2	79.6	61.4
Middle Atlantic	**18,096**	**8,030**	**17,204**	**7,660**	**59.2**	**892**	**370**	**4.9**	**5.2**	**4.6**	**73.9**	**52.1**
New York	8,482	3,784	8,071	3,617	58.7	412	167	4.9	5.2	4.4	73.5	51.4
New Jersey	3,966	1,757	3,806	1,684	63.4	160	74	4.0	3.9	4.2	77.5	55.8
Pennsylvania	5,648	2,489	5,328	2,359	57.4	320	130	5.7	6.0	5.2	72.0	50.7
East North Central	**20,766**	**9,298**	**19,279**	**8,665**	**61.0**	**1,487**	**633**	**7.2**	**7.4**	**6.8**	**76.6**	**56.0**
Ohio	5,248	2,324	4,881	2,169	59.9	367	155	7.0	7.2	6.7	76.0	54.0
Indiana	2,751	1,290	2,575	1,210	61.9	175	80	6.4	6.5	6.2	75.3	58.2
Illinois	5,753	2,557	5,330	2,384	61.0	423	173	7.4	7.8	6.8	77.2	55.6
Michigan	4,523	2,021	4,154	1,858	59.9	369	162	8.2	8.3	8.0	75.8	55.7
Wisconsin	2,491	1,107	2,339	1,045	64.7	152	62	6.1	6.5	5.6	79.0	59.4
West North Central	**9,060**	**4,091**	**8,561**	**3,871**	**64.8**	**499**	**220**	**5.5**	**5.6**	**5.4**	**78.5**	**59.5**
Minnesota	2,259	1,029	2,137	979	66.9	122	49	5.4	5.9	4.8	79.9	62.1
Iowa	1,448	645	1,368	609	64.0	80	36	5.5	5.4	5.6	78.0	58.2
Missouri	2,589	1,166	2,426	1,093	62.7	164	73	6.3	6.4	6.3	77.3	57.6
North Dakota	331	146	314	139	65.0	17	7	5.2	5.3	5.0	77.7	59.7
South Dakota	355	161	340	154	66.1	15	6	4.2	4.3	4.0	78.9	59.8
Nebraska	811	375	771	357	65.3	40	18	4.9	4.9	4.9	77.6	60.5
Kansas	1,267	569	1,205	540	65.8	62	30	4.9	4.7	5.2	79.6	59.6
South Atlantic	**20,636**	**9,465**	**19,578**	**8,926**	**62.1**	**1,058**	**539**	**5.1**	**4.6**	**5.7**	**75.2**	**56.7**
Delaware	331	154	321	149	65.6	10	5	3.2	3.0	3.4	77.1	59.4
Maryland	2,402	1,108	2,300	1,058	66.7	102	50	4.2	4.0	4.5	79.2	61.0
District of Columbia	333	170	312	159	65.3	21	11	6.3	6.3	6.3	75.0	65.3
Virginia	2,989	1,347	2,862	1,283	65.3	126	65	4.2	3.8	4.8	78.1	59.0
West Virginia	749	312	668	284	46.1	81	28	10.8	12.2	8.9	64.7	40.4
North Carolina	3,276	1,525	3,130	1,448	65.1	146	77	4.5	3.9	5.1	77.3	59.9
South Carolina	1,632	743	1,541	690	61.7	91	53	5.6	4.3	7.2	75.2	56.6
Georgia	3,053	1,411	2,885	1,315	63.3	167	96	5.5	4.4	6.8	77.9	57.6
Florida	5,870	2,693	5,558	2,538	58.9	312	155	5.3	5.0	5.8	71.4	54.1
East South Central	**7,066**	**3,149**	**6,500**	**2,877**	**57.2**	**566**	**272**	**8.0**	**7.5**	**8.6**	**73.5**	**52.1**
Kentucky	1,686	731	1,538	666	55.4	148	65	8.8	8.7	8.9	73.5	49.5
Tennessee	2,336	1,062	2,181	985	59.2	154	77	6.6	6.1	7.2	73.4	54.5
Alabama	1,893	848	1,746	774	57.5	147	74	7.8	7.0	8.7	74.3	52.1
Mississippi	1,151	508	1,034	452	55.1	117	56	10.2	9.5	11.0	72.6	51.3
West South Central	**12,877**	**5,624**	**11,741**	**5,125**	**60.5**	**1,136**	**499**	**8.8**	**8.8**	**8.9**	**77.4**	**56.0**
Arkansas	1,090	483	1,002	438	56.3	88	45	8.1	7.1	9.3	71.6	51.9
Louisiana	1,955	836	1,720	737	53.6	234	99	12.0	12.1	11.8	73.8	49.4
Oklahoma	1,564	699	1,449	653	60.3	115	46	7.4	8.0	6.5	75.3	55.8
Texas	8,265	3,605	7,567	3,296	62.9	697	309	8.4	8.3	8.6	79.6	58.4
Mountain	**6,423**	**2,852**	**5,960**	**2,653**	**62.5**	**463**	**199**	**7.2**	**7.4**	**7.0**	**77.6**	**57.8**
Montana	403	179	373	166	62.5	30	12	7.4	7.8	6.9	77.2	58.2
Idaho	471	201	433	184	61.1	38	17	8.0	7.8	8.3	76.7	56.3
Wyoming	240	105	219	97	62.8	21	8	8.6	9.2	7.8	78.7	59.0
Colorado	1,697	771	1,567	717	64.2	130	54	7.7	8.3	7.0	79.7	60.4
New Mexico	685	295	624	269	57.9	61	25	8.9	9.1	8.6	75.1	52.8
Arizona	1,614	714	1,513	669	60.2	101	45	6.2	6.2	6.4	75.0	54.3
Utah	757	333	708	311	65.2	48	21	6.4	6.3	6.5	79.9	59.9
Nevada	556	255	522	239	68.2	35	16	6.3	6.3	6.2	79.8	65.8
Pacific	**18,152**	**8,002**	**17,058**	**7,516**	**62.9**	**1,094**	**486**	**6.0**	**6.0**	**6.1**	**77.3**	**57.2**
Washington	2,254	1,022	2,083	940	61.4	171	83	7.6	7.1	8.1	75.1	58.3
Oregon	1,387	632	1,302	591	62.5	86	41	6.2	5.9	6.5	75.2	58.8
California	13,747	5,990	12,955	5,647	63.1	792	343	5.8	5.8	5.7	77.9	58.6
Alaska	249	114	222	103	64.4	27	11	10.8	11.7	9.6	80.4	64.3
Hawaii	514	244	495	236	64.8	20	8	3.8	4.3	3.3	75.3	60.4

[1] Civilian employment as a percent of civilian noninstitutional population. [2] Percent unemployed of the civilian labor force. [3] Percent of civilian noninstitutional population of each specified group in the civilian labor force.

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 1987.*

No. 624. Civilian Labor Force—Percent Distribution by Sex and Age: 1960 to 1987

civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current ulation Survey; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970,* series D 29–41, for ar but not exactly comparable data]

YEAR AND SEX	Civilian labor force (1,000)	PERCENT DISTRIBUTION						
		16–19 years	20–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65 yr. and over
tal: 1960	69,628	7.0	9.6	20.7	23.4	21.3	13.5	4.6
1965	74,455	7.9	11.1	19.1	22.6	21.2	13.9	4.2
1970	82,771	8.8	12.8	20.6	19.9	20.5	13.6	3.9
1975	93,775	9.5	14.7	24.4	18.0	18.2	12.1	3.2
1980	106,940	8.8	14.9	27.3	19.1	15.8	11.2	2.9
1983	111,550	7.3	14.4	28.5	21.2	15.1	10.8	2.7
1984	113,544	7.0	14.1	28.8	22.0	15.0	10.5	2.6
1985	115,461	6.8	13.6	29.1	22.6	15.0	10.4	2.5
1986	117,834	6.7	13.1	29.4	23.1	15.1	10.1	2.6
1987	119,865	6.7	12.5	29.4	23.7	15.2	9.9	2.6
960	46,388	6.0	8.9	22.1	23.6	20.6	13.8	4.9
965	48,255	7.0	10.1	20.5	23.0	20.8	14.0	4.4
970	51,228	7.8	11.2	22.1	20.4	20.3	13.9	4.2
975	56,299	8.5	13.4	25.2	18.5	18.5	12.5	3.4
980	61,453	8.1	14.0	27.6	19.3	16.1	11.8	3.1
983	63,047	6.8	13.6	28.6	21.3	15.5	11.3	2.9
984	63,835	6.5	13.5	29.0	22.0	15.3	11.0	2.7
985	64,411	6.4	12.9	29.2	22.5	15.3	11.0	2.7
986	65,422	6.3	12.5	29.6	23.0	15.3	10.6	2.8
987	66,207	6.2	11.8	29.7	23.5	15.4	10.5	2.9
: 1960	23,240	8.8	11.1	17.8	22.8	22.7	12.8	3.9
1965	26,200	9.6	12.8	16.5	21.8	21.8	13.7	3.7
1970	31,543	10.3	15.5	18.1	18.9	20.7	13.2	3.3
1975	37,475	10.8	16.5	23.1	17.4	17.8	11.5	2.8
1980	45,487	9.6	16.1	26.9	19.0	15.4	10.4	2.6
1983	48,503	8.0	15.4	28.4	21.1	14.6	10.0	2.5
1984	49,709	7.7	15.0	28.6	21.9	14.5	9.9	2.4
1985	51,050	7.4	14.6	28.9	22.7	14.6	9.7	2.3
1986	52,413	7.3	13.9	29.0	23.3	14.8	9.4	2.3
1987	53,658	7.2	13.3	29.0	24.0	15.0	9.2	2.3

e: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly.

No. 625. Civilian Labor Force—Employment Status by Sex, Race, and Age: 1987

r **civilian noninstitutional population 16 years old and over.** Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

ND RACE	CIVILIAN LABOR FORCE			MALE (1,000)			FEMALE (1,000)			PERCENT OF LABOR FORCE			
	Total (1,000)	Percent by age		Total	Em-ployed	Un-em-ployed	Total	Em-ployed	Un-em-ployed	Employed		Unemployed	
		Male	Fe-male							Male	Fe-male	Male	Fe-male
orkers [1]	**119,865**	**100.0**	**100.0**	**66,207**	**62,107**	**4,101**	**53,658**	**50,334**	**3,324**	**93.8**	**93.8**	**6.2**	**6.2**
ars	7,988	6.2	7.2	4,112	3,381	732	3,875	3,260	616	82.2	84.1	17.8	15.9
ars	14,977	11.8	13.3	7,837	7,058	779	7,140	6,466	674	90.1	90.6	9.9	9.4
ars	35,233	29.7	29.0	19,656	18,487	1,169	15,577	14,617	960	94.1	93.8	5.9	6.2
ars	28,460	23.5	24.0	15,587	14,898	689	12,873	12,281	592	95.6	95.4	4.4	4.6
ars	18,210	15.4	15.0	10,176	9,750	426	8,034	7,737	298	95.8	96.3	4.2	3.7
ars	11,877	10.5	9.2	6,940	6,682	258	4,937	4,783	155	96.3	96.9	3.7	3.1
and over	3,119	2.9	2.3	1,899	1,850	49	1,221	1,191	30	97.4	97.5	2.6	2.5
e	**103,290**	**100.0**	**100.0**	**57,779**	**54,647**	**3,132**	**45,510**	**43,142**	**2,369**	**94.6**	**94.8**	**5.4**	**5.2**
ars	6,893	6.1	7.4	3,547	2,999	548	3,347	2,900	447	84.6	86.6	15.4	13.4
ars	12,764	11.6	13.3	6,717	6,150	568	6,047	5,598	449	91.5	92.6	8.5	7.4
ars	29,956	29.4	28.5	16,963	16,084	879	12,993	12,345	648	94.8	95.0	5.2	5.0
ars	24,581	23.7	24.0	13,674	13,138	536	10,907	10,459	448	96.1	95.9	3.9	4.1
ars	15,792	15.5	15.0	8,945	8,596	350	6,847	6,620	227	96.1	96.7	3.9	3.3
ars	10,497	10.7	9.4	6,200	5,991	209	4,297	4,172	124	96.6	97.1	3.4	2.9
and over	2,806	3.0	2.4	1,733	1,690	43	1,073	1,047	25	97.5	97.6	2.5	2.3
t	**12,993**	**100.0**	**100.0**	**6,486**	**5,661**	**826**	**6,507**	**5,649**	**858**	**87.3**	**86.8**	**12.7**	**13.2**
ars	899	7.1	6.7	463	304	160	435	283	152	65.5	65.1	34.5	34.9
ars	1,818	14.1	13.9	914	728	186	904	693	211	79.7	76.7	20.3	23.3
rs	4,147	32.0	31.9	2,074	1,821	253	2,073	1,793	280	87.8	86.5	12.2	13.5
rs	2,942	21.7	23.6	1,406	1,283	122	1,537	1,412	125	91.3	91.9	8.7	8.1
rs	1,838	14.1	14.2	915	853	61	924	860	63	93.3	93.2	6.7	6.8
rs	1,098	9.0	7.9	586	547	39	512	489	23	93.3	95.5	6.7	4.5
nd over	251	2.0	1.9	130	124	6	121	117	4	95.4	96.7	4.6	3.3

s other races not shown separately.

U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly.

No. 626. Employed Civilians and Weekly Hours by Selected Characteristics: 1970 to 1987

[**In thousands except as indicated. For civilian noninstitutional population 16 years old and over.** Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

AGE, SEX, AND MARITAL STATUS	1970	1975	1980	1982	1983	1984	1985	1986	1987
Total employed	**78,678**	**85,846**	**99,303**	**99,526**	**100,834**	**105,005**	**107,150**	**109,597**	**112,440**
Age:									
16–19 years	6,144	7,104	7,710	6,549	6,342	6,444	6,434	6,472	6,640
20–24 years	9,731	11,885	14,087	13,690	13,722	14,207	13,980	13,790	13,524
25–34 years	16,318	21,087	27,204	28,149	28,756	30,348	31,208	32,201	33,105
35–44 years	15,922	15,953	19,523	20,879	21,960	23,598	24,732	25,861	27,179
45–54 years	16,473	16,190	16,234	15,923	15,812	16,178	16,509	16,949	17,487
55–64 years	10,974	10,827	11,586	11,414	11,315	11,395	11,474	11,405	11,465
65 years and over	3,118	2,801	2,960	2,923	2,927	2,835	2,813	2,919	3,041
Sex: Male	48,990	51,857	57,186	56,271	56,787	59,091	59,891	60,892	62,107
Female	29,688	33,989	42,117	43,256	44,047	45,915	47,259	48,706	50,334
Marital status:									
Married, spouse present	55,554	58,037	62,536	62,127	62,570	64,692	65,584	66,802	68,372
Single (never married)	15,039	18,256	24,082	24,069	24,779	26,143	26,780	27,478	28,355
Widowed, divorced, separated	8,087	9,552	12,686	13,330	13,483	14,170	14,786	15,318	15,713
Class of worker:									
Nonagriculture	75,215	82,438	95,938	96,125	97,450	101,685	103,971	106,434	109,232
Wage and salary worker	69,491	76,249	88,525	88,462	89,500	93,565	95,871	98,299	100,771
Self-employed	5,221	5,705	7,000	7,262	7,575	7,785	7,811	7,881	8,201
Unpaid family workers	502	483	413	401	376	335	289	255	260
Agriculture	3,463	3,408	3,364	3,401	3,383	3,321	3,179	3,163	3,208
Wage and salary worker	1,154	1,301	1,425	1,505	1,579	1,555	1,535	1,547	1,632
Self-employed	1,810	1,722	1,642	1,636	1,565	1,553	1,458	1,447	1,423
Unpaid family workers	499	386	297	261	240	213	185	169	153
Weekly hours:									
Nonagriculture:									
Wage and salary workers	38.3	38.1	38.1	37.6	37.9	38.4	38.7	38.8	38.7
Self-employed	45.0	42.3	41.2	39.8	40.0	40.6	41.1	41.2	41.0
Unpaid family workers	37.9	38.3	34.7	34.7	34.8	35.1	35.1	35.5	36.3
Agriculture:									
Wage and salary workers	40.0	40.8	41.6	40.3	40.3	41.1	40.8	40.9	40.6
Self-employed	51.0	49.7	49.3	48.3	47.4	48.1	48.2	48.4	47.8
Unpaid family workers	40.0	39.6	38.6	38.9	38.6	38.9	38.5	39.7	39.9

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; and unpublished data.

No. 627. Self-Employed Workers by Selected Characteristics: 1970 to 1987

[**In thousands. For civilian noninstitutional population 16 years old and over.** Annual averages of monthly figures. Based on Current Population Survey; see text, section 1, and Appendix III]

ITEM	1970	1975	1980	1983	1984	1985	1986	1987
Total self-employed	**7,031**	**7,427**	**8,642**	**9,140**	**9,338**	**9,269**	**9,328**	**9,624**
Age:								
16–19 years old	81	136	131	127	125	115	98	94
20–24 years old	223	337	432	434	452	401	368	383
25–34 years old	1,000	1,390	1,914	2,183	2,238	2,217	2,227	2,238
35–44 years old	1,431	1,502	2,028	2,261	2,407	2,472	2,532	2,684
45–54 years old	1,816	1,769	1,832	1,819	1,844	1,842	1,859	1,908
55–64 years old	1,569	1,487	1,530	1,525	1,517	1,513	1,492	1,540
65 years old and over	911	807	776	790	754	710	750	775
Sex: Men	5,654	5,822	6,362	6,491	6,569	6,451	6,498	6,617
Women	1,377	1,604	2,281	2,649	2,769	2,817	2,830	3,007
Race: White	6,627	7,012	8,116	8,581	8,736	8,659	8,706	8,956
Black	(NA)	293	342	345	365	379	380	403
Industry:								
Agriculture	1,810	1,722	1,642	1,565	1,553	1,458	1,447	1,423
Nonagriculture	5,221	5,705	7,000	7,575	7,785	7,811	7,881	8,201
Mining	14	16	28	29	25	20	26	27
Construction	687	839	1,173	1,158	1,235	1,301	1,369	1,384
Manufacturing	264	273	358	371	360	347	371	354
Transportation and public utilities	196	223	282	322	318	315	318	335
Trade	1,667	1,709	1,899	1,932	1,920	1,792	1,787	1,841
Finance, insurance, and real estate	254	335	458	532	544	558	556	587
Services	2,140	2,310	2,804	3,233	3,383	3,477	3,455	3,683
Occupation:								
Managerial and professional specialty	(NA)	(NA)	(NA)	2,437	2,531	2,585	2,554	2,714
Technical, sales, and administrative support	(NA)	(NA)	(NA)	2,114	2,132	2,059	2,092	2,138
Service occupations	(NA)	(NA)	(NA)	887	939	980	998	1,058
Precision production, craft, and repair	(NA)	(NA)	(NA)	1,526	1,602	1,611	1,651	1,680
Operators, fabricators, and laborers	(NA)	(NA)	(NA)	599	584	568	578	596
Farming, forestry, and fishing	(NA)	(NA)	(NA)	1,580	1,551	1,465	1,456	1,438

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

NO. 628. PERSONS WITH A JOB BUT NOT AT WORK: 1970 TO 1987

[**In thousands, except percent.** For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970,* series D 116-126, for related but not comparable data]

REASON FOR NOT WORKING	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987		
											Total	Male	Female
All industries, number	**4,645**	**5,221**	**5,747**	**5,882**	**5,790**	**5,712**	**5,583**	**5,575**	**5,789**	**5,741**	**5,910**	**2,840**	**3,071**
Percent of employed	**5.9**	**6.1**	**5.8**	**5.9**	**5.8**	**5.7**	**5.5**	**5.3**	**5.4**	**5.2**	**5.3**	**4.8**	**6.1**
Reason for not working: Vacation	2,341	2,815	3,191	3,320	3,247	3,153	3,096	3,147	3,338	3,234	3,421	1,608	1,813
Illness	1,324	1,343	1,420	1,425	1,413	1,331	1,291	1,322	1,308	1,292	1,320	698	622
Bad weather	128	139	198	155	112	202	124	118	141	128	92	85	7
Industrial dispute	156	95	123	105	64	36	91	40	42	56	34	25	10
All other	696	829	816	876	953	988	962	947	960	1,030	1,043	423	619

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly.

NO. 629. EMPLOYED AND UNEMPLOYED WORKERS BY WORK SCHEDULES, SEX, AND AGE: 1976 TO 1987

[**In thousands.** See headnote, table 630]

CHARACTERISTIC	EMPLOYED				CHARACTERISTIC	UNEMPLOYED			
	1976	1980	1985	1987		1976	1980	1985	1987
Total	**88,752**	**99,303**	**107,150**	**112,440**	**Total**	**7,406**	**7,636**	**8,312**	**7,425**
Full-time [1]	73,964	82,562	88,535	92,957	Looking for full-time work	5,974	6,269	6,793	5,979
Male	48,150	51,717	53,862	55,746	Male	3,421	3,703	3,925	3,520
16-19 years old	1,974	2,017	1,437	1,365	16-19 years old	551	537	446	373
20-24 years old	6,002	6,533	6,078	5,871	20-24 years old	856	994	857	695
25-54 years old	32,873	35,644	39,207	41,400	25-54 years old	1,695	1,923	2,329	2,201
55 years and over	7,298	7,521	7,139	7,110	55 years and over	320	250	292	252
Female	25,814	30,846	34,672	37,210	Female	2,553	2,564	2,868	2,458
16-19 years old	1,409	1,456	1,069	1,089	16-19 years old	448	430	331	280
20-24 years old	4,435	5,098	4,903	4,810	20-24 years old	649	636	636	535
25-54 years old	16,405	20,395	24,838	27,354	25-54 years old	1,268	1,363	1,727	1,523
55 years and over	3,565	3,897	3,862	3,356	55 years and over	188	135	173	120
art-time [1]	14,788	16,740	18,615	19,483	Looking for part-time work	1,432	1,369	1,519	1,446
Male	4,989	5,471	6,028	6,360	Male	615	563	596	580
16-19 years old	1,973	2,068	1,891	2,015	16-19 years old	387	377	360	358
20-24 years old	913	999	1,261	1,187	20-24 years old	94	81	87	84
25-54 years old	946	1,092	1,568	1,735	25-54 years old	63	54	79	82
55 years and over	1,157	1,314	1,308	1,422	55 years and over	71	52	70	55
Female	9,799	11,271	12,587	13,124	Female	816	806	923	866
16-19 years old	1,981	2,169	2,036	2,171	16-19 years old	333	326	330	336
20-24 years old	1,219	1,456	1,738	1,656	20-24 years old	115	124	158	139
25-54 years old	4,961	5,827	6,837	7,281	25-54 years old	291	299	359	327
55 years and over	1,636	1,815	1,976	2,016	55 years and over	79	57	75	64

[1] Full-time workers include employed persons on full-time (35 hours or more per week) schedules and those working part-time etween 1 and 34 hours) for economic reasons who usually work full-time. Part-time workers include employed persons working art-time voluntarily and those working part-time for economic reasons, who usually work part-time. Employed persons with a job but ot at work are distributed according to whether they usually work full- or part-time.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly; Bulletin 2307; and unpublished data.

NO. 630. HISPANIC PERSONS—CIVILIAN LABOR FORCE PARTICIPATION: 1986 AND 1987

[**For civilian noninstitutional population, 16 years old and over.** Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	1986					1987				
	Total	Mexican	Puerto Rican	Cuban	Other Hispanic origin [1]	Total	Mexican	Puerto Rican	Cuban	Other Hispanic origin [1]
Total (1,000)	**12,344**	**7,377**	**1,494**	**842**	**2,631**	**12,867**	**7,651**	**1,540**	**819**	**2,857**
cent in labor force: Male	81.0	82.7	73.5	78.4	80.8	81.0	82.7	72.3	77.6	81.4
Female	50.1	50.5	38.1	56.9	54.3	52.0	52.4	39.3	55.8	57.1
ployed (1,000)	7,219	4,387	691	533	1,608	7,790	4,690	744	518	1,838
ercent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional	12.8	10.5	14.2	19.9	16.1	13.1	10.9	14.1	22.2	15.5
Tech., sales, and admin. suppport	25.1	23.0	29.5	33.8	26.1	25.3	22.8	29.4	34.9	27.3
Service	18.0	17.3	19.1	13.0	21.0	17.6	16.9	17.7	11.8	20.8
Farming, forestry, and fishing occupations	5.0	7.1	1.9	1.5	1.7	5.9	8.6	1.3	1.2	2.3
Precision production, craft, and repair	14.3	15.4	12.6	13.1	12.3	13.9	14.7	12.8	13.0	12.7
Operators, fabricators and laborers	24.9	26.7	23.0	19.0	22.6	24.3	26.1	24.6	17.0	21.5
cent unemployed: Male	10.5	11.0	13.4	6.5	9.1	8.7	9.5	10.4	5.1	6.7
Female	10.8	11.7	15.0	6.3	8.2	8.9	10.4	9.6	5.3	8.0

ncludes Central or South American and other Hispanic origin.

ource: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly.

NO. 631. WORKERS ON FLEXIBLE SCHEDULES, BY SELECTED CHARACTERISTICS: 1985

[In thousands, except percent. As of May. For full-time wage and salary workers. See headnote, table 629]

CHARACTERISTIC	ALL WORKERS			WITH FLEXIBLE SCHEDULES			PERCENT OF ALL WORKERS		
	Total	Male	Female	Total	Male	Female	Total	Male	Fema
Total	**73,395**	**43,779**	**29,616**	**9,061**	**5,760**	**3,300**	**12.3**	**13.2**	**11.1**
Marital status and presence of youngest child:									
Single	16,812	9,703	7,109	2,123	1,232	891	12.6	12.7	12.5
With no children under 18	16,264	9,605	6,659	2,055	1,218	837	12.6	12.7	12.6
With own children: under 6	301	88	213	26	10	16	8.6	11.4	7.5
Between 6 and 13 years old	192	6	186	29	1	28	15.1	16.7	15.1
Between 14 and 17 years old	55	4	51	13	3	10	23.6	75.0	19.6
Married, spouse present	45,345	29,666	15,679	5,483	3,868	1,615	12.1	13.0	10.3
With no children under 18	19,413	11,567	7,846	2,311	1,531	780	11.9	13.2	9.9
With own children: under 6	12,093	8,927	3,166	1,459	1,130	329	12.1	12.7	10.4
Between 6 and 13 years old	9,391	6,299	3,092	1,164	814	350	12.4	12.9	11.3
Between 14 and 17 years old	4,449	2,873	1,576	547	392	155	12.3	13.6	9.8
Other marital status	11,238	4,410	6,828	1,455	661	794	12.9	15.0	11.6
With no children under 18	8,252	3,895	4,357	1,125	588	537	13.6	15.1	12.3
With own children: under 6	673	120	553	62	9	53	9.2	7.5	9.6
Between 6 and 13 years old	1,418	224	1,194	173	38	135	12.2	17.0	11.3
Between 14 and 17 years old	895	171	724	94	25	69	10.5	14.6	9.5
Occupation:									
Managerial and professional	18,944	10,896	8,049	3,448	2,340	1,109	18.2	21.5	13.8
Technical, sales, administrative	21,961	8,346	13,615	3,215	1,540	1,675	14.6	18.5	12.3
Service occupations	7,268	3,552	3,717	619	302	317	8.5	8.5	8.5
Precision production, craft, and repair	10,477	9,670	807	717	658	59	6.8	6.8	7.3
Operators, fabricators, and laborers	13,326	10,073	3,253	847	728	120	6.4	7.2	3.7
Farming, forestry, and fisheries	1,418	1,243	175	214	192	22	15.1	15.4	12.6
Industry:									
Private sector	60,127	36,995	23,132	7,559	4,904	2,656	12.6	13.3	11.5
Goods producing [1]	24,626	18,354	6,272	2,420	1,892	528	9.8	10.3	8.4
Service producing	35,500	18,641	16,860	5,139	3,011	2,128	14.5	16.2	12.6
Public sector	13,268	6,784	6,484	1,501	857	644	11.3	12.6	9.9
Federal government	2,901	1,794	1,107	580	340	240	20.0	19.0	21.7
State government	3,320	1,645	1,675	537	292	245	16.2	17.8	14.6
Local government	7,047	3,345	3,702	384	225	160	5.4	6.7	4.3

[1] Includes agriculture, mining, construction, and manufacturing.

NO. 632. WORK SCHEDULES OF FULL-TIME WAGE AND SALARY WORKERS, BY MARITAL STATUS AND PRESENCE OF YOUNGEST CHILD, OCCUPATION, AND INDUSTRY: 1985

[In thousands, except percent. As of May. See headnote, table 629]

CHARACTERISTIC	Total employed	WORK SCHEDULES—PERCENT DISTRIBUTION					
		Regular daytime schedule	Shift workers				
			Total	Evening	Night	Rotating	Other
Total	**73,395**	**84.1**	**15.9**	**6.3**	**2.7**	**4.3**	**2.6**
Husbands	29,201	83.6	16.4	5.7	2.7	5.1	3.0
With children under 18	18,101	82.9	17.1	5.9	3.0	5.2	3.0
Without children under 18	11,099	84.6	15.4	5.5	2.2	4.8	2.9
Wives	15,432	90.0	10.0	4.2	1.8	2.3	1.6
With children under 18	7,831	89.3	10.7	4.9	2.1	2.3	1.4
Youngest under 6	3,164	88.1	11.9	6.0	2.0	2.4	1.4
Youngest 6 to 13	3,092	89.8	10.2	4.1	2.6	1.9	1.5
Youngest 14 to 17	1,576	90.4	9.6	4.5	1.3	2.8	1.0
Without children under 18	7,601	90.8	9.2	3.5	1.6	2.4	1.5
Women who maintain families	4,334	83.7	16.3	7.3	3.3	3.9	1.8
With children under 18	2,921	83.5	16.5	7.3	3.1	4.2	1.7
Youngest under 6	766	80.2	19.8	10.4	2.9	5.4	1.0
Youngest 6 to 13	1,380	85.7	14.3	6.2	3.3	2.9	2.0
Youngest 14 to 17	774	83.1	17.1	6.3	3.2	5.8	1.9
Without children under 18	1,413	84.0	16.1	7.4	3.5	3.3	1.8
Men who maintain families	1,273	80.8	19.2	7.7	3.4	6.0	2.2
With children under 18	614	81.3	18.7	7.5	3.3	5.7	2.1
Without children under 18	659	80.4	19.6	7.9	3.5	6.1	2.0
Other persons in families	9,541	80.2	19.8	8.7	3.7	4.8	2.6
Persons living alone	8,192	82.5	17.5	7.0	2.9	4.2	3.3
Persons living with nonrelatives	5,422	81.0	19.0	8.6	2.5	4.7	3.1
Occupation:							
Managerial and professional	18,944	91.4	8.6	2.0	1.2	2.7	2.7
Technical, sales, administrative	21,961	88.3	11.7	4.2	2.1	3.5	1.8
Service occupations	7,268	61.6	38.4	16.9	6.1	8.7	6.7
Precision production, craft, and repair	10,477	87.0	13.0	6.3	2.2	3.7	.8
Operators, fabricators, and laborers	13,326	76.3	23.7	10.5	4.6	6.2	2.4
Farming, forestry, and fisheries	1,418	89.9	10.1	1.5	1.4	.7	6.5
Industry: Private sector	60,127	83.5	16.5	6.6	2.9	4.4	2.7
Goods producing [1]	24,626	85.0	15.0	7.4	2.6	3.9	1.1
Service producing	35,500	82.4	17.6	6.1	3.0	4.8	3.7
Public sector	13,268	87.2	12.8	4.6	2.0	3.7	2.5
Federal government	2,901	86.2	13.8	6.1	3.4	2.8	1.4
State government	3,320	88.2	11.8	4.3	2.3	3.0	2.2
Local government	7,047	87.1	12.9	4.2	1.3	4.5	2.9

[1] Includes agriculture, mining, construction, and manufacturing.

Source of tables 631 and 632: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986, and unpublished da

No. 633. Multiple Jobholders—Selected Characteristics: 1985

[As of May. Multiple jobholders are employed persons who, either 1) had jobs as wage or salary workers with two employers or more; 2) were self-employed and also held a wage and salary job; or 3) were unpaid family workers on their primary jobs but also held wage and salary job. Based on the Current Population Survey; see text, section 1, and Appendix III]

CHARACTERISTIC	EMPLOYED (1,000)			MULTIPLE JOBHOLDERS						
	Total	Male	Female	Number (1,000)			Average weekly hours		Median weekly earnings [1] (dol.)	
				Total	Male	Female	All jobs	Secondary job	All jobs	Secondary job
Total	**106,878**	**60,015**	**46,864**	**5,730**	**3,537**	**2,192**	**51.3**	**14.2**	**$343**	**$70**
Age:										
16 to 19 years old	6,289	3,370	2,919	289	134	156	34.0	11.4	119	42
20 to 24 years old	13,857	7,345	6,512	777	436	340	48.9	14.1	245	65
25 to 34 years old	31,246	17,641	13,605	1,771	1,090	682	52.6	14.7	340	75
35 to 44 years old	24,446	13,698	10,748	1,522	967	556	53.7	15.1	477	76
45 to 54 years old	16,682	9,526	7,156	847	558	290	52.9	13.5	510	73
55 to 64 years old	11,545	6,739	4,806	433	294	139	51.8	13.5	494	71
65 years old and over	2,813	1,696	1,117	90	59	31	42.3	10.7	152	45
Race and Hispanic origin:										
White	93,555	53,222	40,333	5,286	3,291	1,995	51.1	14.0	344	69
Black	10,416	5,240	5,176	338	187	151	53.8	16.8	305	81
Hispanic origin [2]	6,489	3,984	2,505	194	125	69	51.1	15.1	355	66
Marital status:										
Single	26,167	14,768	11,399	1,448	767	681	(NA)	(NA)	(NA)	(NA)
Married, spouse present	65,443	39,444	25,999	3,448	2,447	1,001	(NA)	(NA)	(NA)	(NA)
Other	15,268	5,803	9,465	834	323	510	(NA)	(NA)	(NA)	(NA)
Class of worker—primary job:										
Agriculture	3,524	2,837	687	186	151	35	53.2	18.2	(NA)	70
Wage and salary worker	1,731	1,391	340	103	83	21	55.6	15.3	228	76
Self-employed	1,582	1,376	206	74	65	9	51.3	22.0	(NA)	65
Unpaid family worker	211	70	140	8	4	4	36.9	23.3	(NA)	(NA)
Nonagriculture	103,354	57,177	46,177	5,544	3,386	2,158	51.2	14.1	(NA)	69
Wage and salary worker	95,379	52,008	43,372	5,266	3,230	2,036	51.7	14.1	378	68
Self-employed	7,694	5,134	2,561	269	151	118	42.4	14.0	(NA)	78
Unpaid family worker	280	36	244	9	5	4	41.7	20.8	(NA)	(NA)

NA Not available. [1] Data on wage and salary earnings only were collected for the primary job. Data on earnings from all sources were collected for the secondary job. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986, and unpublished data.

No. 634. Selected Worklife Indices by Sex, Race, and Educational Attainment: 1979-1980

[In years, except percent. For the civilian noninstitutional population. For methodological details, see source]

INDEX AND AGE	MALE						FEMALE					
	Total	Race		Educational attainment			Total	Race		Educational attainment		
		White	Black and other	Less than high school	High school to 14 years	15 years or more		White	Black and other	Less than high school	High school to 14 years	15 years or more
Life expectancy:												
At birth	70.0	70.7	65.3	70.0	70.0	70.0	77.6	78.3	73.9	77.6	77.6	77.6
At age 25	47.3	47.9	43.3	47.3	47.3	47.3	54.2	54.7	51.0	54.2	54.2	54.2
At age 60	17.5	17.6	16.5	17.5	17.5	17.5	22.4	22.6	21.0	22.4	22.4	22.4
At age 65	14.2	14.3	13.8	14.2	14.2	14.2	18.5	18.7	17.7	18.5	18.5	18.5
Worklife expectancy:												
At birth	38.8	39.8	32.9	34.6	39.9	41.1	29.4	29.7	27.4	22.3	30.1	34.9
At age 25	33.1	33.8	28.6	29.2	33.8	36.1	24.0	24.1	23.5	17.9	24.4	27.9
At age 60	4.4	4.5	3.3	3.3	4.7	6.3	3.0	3.0	3.0	2.3	3.3	3.5
At age 65	2.3	2.3	1.8	1.8	2.4	3.6	1.5	1.5	1.5	1.2	1.8	1.8
Percent of life economically active: [1]												
From birth	55.4	56.3	50.4	49.4	57.0	58.7	37.9	37.9	37.1	28.7	38.8	45.0
From age 25	70.0	70.6	66.1	61.7	71.5	76.3	44.3	44.1	46.1	33.0	45.0	51.5
From age 60	25.1	25.6	20.0	18.9	26.9	36.0	13.4	13.3	14.3	10.3	14.7	15.6
From age 65	16.2	16.1	13.0	12.7	16.9	25.4	8.1	8.0	8.5	6.5	9.7	9.7
Number of times person enters labor force per:												
Person born	3.9	3.9	4.3	4.3	3.7	4.6	5.5	5.6	5.4	5.8	5.6	5.6
Person age 25	1.5	1.5	1.8	2.0	1.5	1.4	3.0	3.0	3.1	3.3	3.2	2.7
Expected duration per entry remaining: [2]												
From birth	9.9	10.2	7.7	8.0	10.8	8.9	5.3	5.3	5.1	3.8	5.4	6.2
From age 25	22.1	22.5	15.9	14.6	22.5	25.8	8.0	8.0	7.6	5.4	7.6	10.3
Number of times person voluntarily leaves labor force:												
From birth	3.6	3.6	3.9	4.0	3.6	4.5	5.4	5.5	5.4	5.7	5.7	4.7
From age 25	2.3	2.3	2.4	2.7	2.3	2.2	3.8	3.8	3.7	3.8	4.0	3.6

[1] Ratio of worklife expectancy to life expectancy. [2] Worklife expectancy divided by number of times person enters labor force.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, August 1985.

No. 635. Civilian Labor Force—Years of School Completed, by Sex and Race: 1988

[As of **March**. For civilian noninstitutional population 25-64 years of age. Based on Current Population Survey; see text, section 1 and Appendix III]

EMPLOYMENT STATUS, SEX, AND RACE	Population, 25-64 years old (1,000)	PERCENT DISTRIBUTION BY SCHOOL YEARS COMPLETED							
		Elementary school			High school		College		
		0-4 years	5-7 years	8 years	1-3 years	4 years	1-3 years	4 years	5 years or more
Total [1]	**122,386**	**1.7**	**3.0**	**3.1**	**10.9**	**40.2**	**18.5**	**13.1**	**9.4**
Civilian labor force	94,871	1.1	2.1	2.3	9.2	39.9	19.7	14.7	11.0
Employed	90,393	1.0	2.0	2.2	8.7	39.6	19.9	15.1	11.4
Unemployed	4,477	2.0	4.8	3.8	18.7	45.9	15.3	6.7	2.9
Not in labor force	27,517	3.9	5.9	6.0	16.8	41.3	14.4	7.4	4.2
Male, total	59,401	1.8	3.3	3.2	10.7	36.9	17.9	14.4	11.7
Civilian labor force	52,616	1.3	2.7	2.7	9.8	37.3	18.5	15.3	12.4
Employed	49,918	1.2	2.5	2.6	9.3	36.9	18.7	15.8	13.0
Unemployed	2,698	2.6	5.7	4.3	19.3	45.0	14.2	6.5	2.4
Not in labor force	6,786	5.8	8.2	7.4	18.0	34.0	13.8	7.3	5.5
Female, total	62,983	1.6	2.7	3.0	11.0	43.4	19.0	11.9	7.3
Civilian labor force	42,255	.8	1.5	1.8	8.4	43.3	21.2	14.0	9.1
Employed	40,475	.8	1.4	1.7	8.0	43.1	21.3	14.3	9.3
Unemployed	1,778	1.1	3.4	2.9	17.7	47.3	17.2	6.9	3.5
Not in labor force	20,731	3.2	5.2	5.6	16.4	43.7	14.6	7.5	3.7
White, total	104,889	1.5	2.7	3.0	10.0	40.7	18.7	13.5	9.8
Civilian labor force	81,887	1.0	2.0	2.3	8.5	40.1	19.7	15.0	11.4
Employed	78,599	1.0	1.9	2.2	8.1	39.8	19.9	15.3	11.7
Unemployed	3,287	2.2	4.6	4.2	17.7	45.6	15.9	7.5	2.3
Not in labor force	23,000	3.3	5.3	5.9	15.3	42.9	15.2	7.8	4.2
Black, total	13,439	2.2	4.9	3.9	18.9	41.0	16.7	7.7	4.7
Civilian labor force	9,984	1.1	3.2	2.8	15.5	43.0	19.2	9.5	5.7
Employed	8,984	1.2	3.0	2.8	14.5	42.4	19.8	10.2	6.1
Unemployed	1,001	.6	5.5	2.6	24.1	48.1	14.2	2.9	2.1
Not in labor force	3,455	5.2	9.7	7.3	28.8	35.3	9.2	2.7	1.9

[1] Includes other races, not shown separately.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 636. School Enrollment and Labor Force Status of Civilians 16 to 24 Years Old, by Selected Characteristics: 1980 and 1987

[**In thousands, except percent.** As of **October**. Civilian noninstitutional population. Based on Current Population Survey; see text, section 1 and Appendix III]

CHARACTERISTIC	POPULATION		CIVILIAN LABOR FORCE			EMPLOYED		UNEMPLOYED		
	1980	1987	1980, total	1987		1980	1987	1980, total	1987	
				Total	Percent [1]				Total	Rate [2]
Total, 16 to 24 years [3]	**37,103**	**33,452**	**24,918**	**22,931**	**66.9**	**21,459**	**19,847**	**3,464**	**2,544**	**11.4**
Enrolled in school [3]	15,713	15,656	7,454	7,720	49.3	6,438	6,785	1,021	935	12.1
16 to 19 years	11,126	10,863	4,836	4,831	44.5	4,029	4,071	807	760	15.7
20 to 24 years	4,587	4,792	2,618	2,890	60.3	2,405	2,714	214	175	6.1
Male	7,997	8,054	3,825	3,857	47.9	3,259	3,384	566	473	12.3
Female	7,716	7,602	3,629	3,864	50.8	3,179	3,401	455	463	12.0
College level	7,664	7,931	3,996	4,422	55.8	3,632	4,109	364	313	7.1
Full-time	6,396	6,470	2,854	3,116	48.2	2,554	2,861	300	254	8.2
White	13,242	12,843	6,690	6,656	51.8	5,892	5,973	798	683	10.3
Below college	6,566	6,168	3,096	2,856	46.3	2,579	2,399	517	458	16.0
College level	6,678	6,675	3,592	3,800	56.9	3,310	3,575	282	225	5.9
Black	2,028	2,111	595	775	36.7	406	567	189	207	26.7
Below college	1,282	1,256	294	358	28.5	174	223	120	135	37.7
College level	747	855	300	417	48.7	230	345	70	72	17.3
Not enrolled [3]	21,390	17,796	17,464	14,671	82.4	15,021	13,062	2,443	1,608	11.0
White	18,103	14,747	15,121	12,406	84.1	13,318	11,288	1,803	1,117	9.0
Black	2,864	2,622	2,055	1,914	73.0	1,451	1,472	604	443	23.1

[1] Percent of civilian noninstitutional population. [2] Percent of civilian labor force in each category. [3] Includes other races, not shown separately.

Source: U.S. Bureau of Labor Statistics, Bulletin 2192 and unpublished data.

NO. 637. LABOR FORCE PARTICIPATION RATES BY MARITAL STATUS, SEX, AND AGE: 1960 TO 1988

[As of March. See table 623 for definition of participation rate. Data for males include members of the Armed Forces living offpost or with their families on post. Based on Current Population Survey; see text, section 1 and Appendix III]

YEAR AND MARITAL STATUS	MALE PARTICIPATION RATE						FEMALE PARTICIPATION RATE					
	16–19 years	20–24 years	25–34 years	35–44 years	45–64 years	65 and over	16–19 years	20–24 years	25–34 years	35–44 years	45–64 years	65 and over
Married: [1]												
1960	[2] 96.0	97.5	98.6	98.4	93.0	37.1	[2] 25.3	30.0	27.7	36.2	34.2	5.9
1970	95.5	95.0	98.2	98.1	91.6	30.2	36.0	47.4	39.3	47.2	44.1	7.9
1975	92.3	95.1	97.3	97.0	87.0	23.7	46.0	57.3	48.3	51.9	43.9	7.2
1980	97.3	96.8	97.5	97.0	84.8	20.4	47.7	60.5	59.3	62.5	46.9	7.2
1983	92.7	95.7	97.3	97.2	82.1	19.1	46.6	63.0	62.5	65.4	47.6	7.5
1984	96.5	96.2	97.2	97.2	81.8	17.4	43.4	63.3	64.0	66.4	49.0	7.3
1985	90.9	95.7	97.4	96.7	81.6	17.5	49.2	64.9	65.6	68.1	50.6	6.7
1986	91.8	95.8	97.3	96.3	81.8	17.3	52.9	63.1	66.4	69.0	50.4	7.0
1987	90.4	95.7	97.2	96.2	82.4	17.4	42.8	67.4	67.5	71.7	51.3	6.9
1988	95.3	95.7	97.0	96.7	82.4	17.5	46.8	65.9	68.6	72.7	52.7	7.4
Single:												
1960	[2] 34.4	76.6	85.3	85.3	74.4	24.3	[2] 25.3	73.4	79.9	79.7	75.1	21.6
1970	49.0	69.0	86.2	82.3	66.6	21.0	39.5	71.1	80.7	73.3	67.8	17.6
1975	53.2	76.5	87.4	86.5	68.7	20.5	45.5	69.5	80.4	77.8	68.4	16.2
1980	56.8	79.6	87.3	79.9	65.2	20.0	49.0	72.2	84.2	78.5	62.8	12.0
1983	49.9	77.6	88.4	81.8	69.6	23.9	46.0	72.6	83.6	81.1	65.1	12.6
1984	50.8	78.5	87.4	83.2	65.6	16.7	46.4	72.1	83.5	83.0	67.0	11.8
1985	52.4	77.9	87.5	80.8	67.3	16.0	49.6	74.0	82.5	80.6	73.2	8.0
1986	50.8	80.7	88.3	84.5	61.4	17.8	50.1	75.0	81.1	79.6	69.3	8.0
1987	50.2	80.0	88.0	83.7	64.3	16.3	49.6	74.5	82.9	81.8	58.8	9.1
1988	49.7	80.1	88.4	82.4	65.9	20.7	48.7	74.8	81.8	81.5	65.2	10.9
Other: [3]												
1960	(B)	88.6	82.3	84.1	78.1	18.2	[2] 37.3	54.6	55.5	67.4	58.3	11.0
1970	(B)	73.2	74.5	80.6	75.9	16.5	46.5	59.7	65.1	67.9	60.7	9.9
1975	(B)	84.7	92.4	89.3	69.4	18.0	41.9	68.1	67.5	69.4	60.4	8.1
1980	(B)	92.9	93.8	91.1	69.9	13.0	51.0	68.5	77.1	76.4	59.5	8.6
1983	(B)	89.7	91.9	90.7	73.9	13.1	45.3	68.4	77.1	77.7	59.5	7.5
1984	(B)	91.6	90.7	92.8	71.8	12.6	53.8	71.3	76.5	79.6	61.0	7.7
1985	(B)	96.9	92.9	92.1	72.8	12.7	50.9	66.5	78.9	80.6	60.7	7.9
1986	(B)	93.9	93.1	89.1	71.7	13.0	50.8	71.0	78.4	82.6	61.7	7.4
1987	(B)	90.6	92.9	91.1	73.1	11.1	(B)	67.2	77.1	83.0	61.9	7.6
1988	(B)	93.2	91.8	88.8	71.2	11.6	64.5	67.7	76.3	81.5	62.6	8.2

B For 1960, percentage not shown where base is less than 100,000; beginning 1970, 75,000. [1] Spouse present. [2] 14 to 19 years old. [3] Widowed, divorced, and married (spouse absent).

NO. 638. MARITAL STATUS OF WOMEN IN THE CIVILIAN LABOR FORCE: 1960 TO 1988

[As of March. **Persons 14 years old and over through 1965; 16 years old and over thereafter.** Prior to 1960, excludes Alaska and Hawaii. Figures for 1940 based on complete census revised for comparability with intercensal series. Later data based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970,* series D 49-62]

YEAR	FEMALE LABOR FORCE (1,000)					PERCENT DISTRIBUTION, FEMALE LABOR FORCE			FEMALE LABOR FORCE AS PERCENT OF FEMALE POPULATION				
	Total	Single	Married		Widowed or divorced	Single	Married [1]	Widowed or divorced	Total	Single	Married		Widowed or divorced
			Total [1]	Husband present							Total [1]	Husband present	
960	22,516	5,401	13,485	12,253	3,629	24.0	59.9	16.1	34.8	44.1	31.7	30.5	37.1
965	25,952	5,912	16,154	14,708	3,886	22.8	62.2	15.0	36.7	40.5	35.7	34.7	35.7
970	31,233	6,965	19,799	18,377	4,469	22.3	63.4	14.3	42.6	53.0	41.4	40.8	36.2
971	31,778	7,220	20,034	18,573	4,524	22.7	63.0	14.2	42.5	52.8	41.4	40.8	35.7
972	33,132	7,543	20,845	19,336	4,744	22.8	62.9	14.3	43.7	55.0	42.2	41.5	37.2
973	34,195	7,838	21,487	19,951	4,870	22.9	62.8	14.2	44.2	55.9	42.8	42.2	36.7
974	35,708	8,362	22,202	20,541	5,144	23.4	62.2	14.4	45.3	57.4	43.8	43.1	37.8
975	36,981	8,599	23,037	21,360	5,345	23.2	62.3	14.5	46.0	57.0	45.1	44.4	37.7
976	38,399	9,282	23,643	21,814	5,474	24.2	61.6	14.3	46.8	59.2	45.8	45.1	37.3
977	40,053	9,702	24,429	22,681	5,922	24.2	61.0	14.8	48.0	59.2	47.2	46.6	39.0
978	41,747	10,487	24,976	23,136	6,284	25.1	59.8	15.1	49.2	60.7	48.1	47.5	39.9
979	43,844	11,304	26,073	24,223	6,467	25.8	59.5	14.8	50.8	62.9	49.9	49.3	40.0
80	44,934	11,242	26,828	24,900	6,864	25.0	59.7	15.3	51.1	61.5	50.7	50.1	41.0
81	46,415	11,626	27,536	25,460	7,251	25.0	59.3	15.6	52.0	62.3	51.7	51.0	41.9
82	47,095	11,801	27,843	25,756	7,451	25.1	59.1	15.8	52.1	62.2	51.8	51.2	42.1
83	47,779	12,282	28,140	26,227	7,357	25.7	58.9	15.4	52.3	62.6	52.3	51.8	41.2
84	49,240	12,581	28,883	26,855	7,775	25.6	58.7	15.8	53.2	63.1	53.3	52.8	42.1
85	50,891	12,925	29,755	27,716	8,211	25.4	58.5	16.1	54.5	65.2	54.7	54.2	42.8
86	51,732	13,127	30,274	28,197	8,332	25.4	58.5	16.1	54.7	65.3	55.0	54.6	43.1
87	52,960	13,454	31,282	29,159	8,224	25.4	59.1	15.5	55.4	65.1	56.1	55.8	42.9
88	53,987	13,617	31,946	29,751	8,424	25.2	59.2	15.6	55.9	65.2	56.8	56.5	43.4

[1] Includes married, spouse absent.

Source of tables 637 and 638: U.S. Bureau of Labor Statistics, Bulletin 2307, and unpublished data.

No. 639. Married, Separated, and Divorced Women—Labor Force Status by Presence and Age of Children: 1960 to 1988

[As of **March**. For 1960, civilian noninstitutional persons 14 years old and over, thereafter 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	TOTAL			NO CHILDREN UNDER 18			CHILDREN 6–17 ONLY			CHILDREN UNDER 6		
	Married [1]	Separated	Divorced	Married [1]	Separated	Divorced	Married [1]	Separated	Divorced	Married [1]	Separated	Divorced
IN LABOR FORCE (mil.)												
1960	12.3	(NA)	(NA)	5.7	(NA)	(NA)	4.1	(NA)	(NA)	2.5	(NA)	(NA)
1970	18.4	1.4	1.9	8.2	.7	1.1	6.3	.4	.6	3.9	.3	.3
1980	24.9	1.9	4.4	11.2	.9	2.3	8.4	.6	1.6	5.2	.4	.5
1982	25.8	2.1	5.2	11.8	1.0	2.7	8.3	.7	1.8	5.7	.5	.6
1983	26.2	1.9	5.2	12.1	.8	2.8	8.3	.6	1.8	5.9	.5	.6
1984	26.9	2.0	5.5	12.3	.9	3.0	8.3	.7	1.9	6.2	.4	.6
1985	27.7	2.0	5.9	12.8	1.0	3.3	8.5	.7	2.0	6.4	.4	.6
1986	28.2	2.1	6.2	12.9	1.0	3.5	8.8	.6	2.0	6.6	.5	.7
1987	29.2	2.1	6.1	13.2	1.0	3.4	9.0	.7	2.0	7.0	.4	.7
1988	29.8	2.2	6.2	13.5	1.1	3.7	9.3	.7	1.9	7.0	.4	.6
PARTICIPATION RATE [2]												
1960	30.5	(NA)	(NA)	34.7	(NA)	(NA)	39.0	(NA)	(NA)	18.6	(NA)	(NA)
1970	40.8	52.1	71.5	42.2	52.3	67.7	49.2	60.6	82.4	30.3	45.4	63.3
1980	50.1	59.4	74.5	46.0	58.9	71.4	61.7	66.3	82.3	45.1	52.2	68.3
1982	51.2	60.0	74.9	46.2	57.5	71.6	63.2	68.4	83.6	48.7	55.2	67.2
1983	51.8	58.7	74.6	46.6	55.6	71.7	63.8	68.7	82.2	49.9	53.8	68.7
1984	52.8	60.9	74.3	47.2	59.1	70.5	65.4	70.1	84.1	51.8	53.9	67.7
1985	54.2	61.3	75.0	48.2	60.0	72.1	67.8	70.9	83.4	53.4	53.2	67.5
1986	54.6	62.2	76.0	48.2	60.4	72.1	68.4	70.6	84.7	53.8	57.4	73.8
1987	55.8	61.4	75.4	48.4	57.9	71.9	70.6	72.6	84.5	56.8	55.1	70.5
1988	56.5	60.9	75.7	48.9	60.1	73.0	72.5	69.3	83.9	57.1	53.0	70.1
EMPLOYMENT (mil.)												
1960	11.6	(NA)	(NA)	5.4	(NA)	(NA)	3.9	(NA)	(NA)	2.3	(NA)	(NA)
1970	17.5	1.3	1.8	7.9	.7	1.0	6.0	.4	.5	3.6	.3	.2
1980	23.6	1.7	4.2	10.7	.8	2.2	8.1	.6	1.5	4.8	.4	.5
1982	23.9	1.8	4.7	11.1	.8	2.5	7.7	.6	1.7	5.1	.4	.5
1983	24.3	1.5	4.7	11.4	.7	2.6	7.7	.5	1.5	5.2	.3	.5
1984	25.3	1.7	5.0	11.7	.8	2.8	7.9	.6	1.7	5.7	.3	.5
1985	26.1	1.8	5.4	12.2	.9	3.1	8.1	.6	1.8	5.9	.3	.5
1986	26.7	1.9	5.7	12.3	.9	3.3	8.3	.5	1.9	6.1	.4	.6
1987	27.8	1.9	5.7	12.7	.9	3.2	8.6	.6	1.9	6.5	.3	.3
1988	28.6	2.0	5.9	13.1	1.0	3.5	8.9	.6	1.8	6.5	.3	.3
UNEMPLOYMENT RATE [3]												
1960	5.4	(NA)	(NA)	4.8	(NA)	(NA)	4.9	(NA)	(NA)	7.8	(NA)	(NA)
1970	4.8	6.8	5.4	3.3	4.2	4.7	4.8	5.9	6.5	7.9	13.3	5.2
1980	5.3	9.9	6.4	4.5	8.3	4.5	4.4	10.6	6.7	8.3	12.3	13.8
1982	7.1	14.5	8.9	5.7	11.7	7.6	7.0	14.6	9.2	10.1	20.1	13.5
1983	7.2	19.1	10.2	5.7	13.8	7.1	6.7	20.0	12.8	10.9	27.6	16.8
1984	5.7	13.9	8.6	4.6	9.0	6.6	5.0	13.1	9.7	8.9	25.0	14.3
1985	5.7	13.7	7.7	4.7	9.0	6.2	5.5	14.6	9.0	8.0	22.9	12.1
1986	5.4	10.8	7.5	4.6	7.2	6.1	4.8	11.7	8.2	7.6	16.5	12.9
1987	4.5	11.8	6.8	3.5	8.1	5.9	4.9	14.8	6.1	5.9	15.7	13.8
1988	3.9	9.1	5.2	2.9	7.0	4.5	3.8	8.7	5.3	6.1	15.0	9.4

NA Not available. [1] Husband present. [2] Percent of women in each specific category in the labor force.
[3] Unemployed as a percent of civilian labor force in specified group.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Reports,* Nos. 13, 130, and 134; Bulletins 2163 and 2307; and unpublished data.

No. 640. Labor Force Participation Rates for Wives, Husband Present, by Age of Own Youngest Child: 1975 to 1988

[As of **March**. For civilian noninstitutional population, 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

PRESENCE AND AGE OF CHILD	TOTAL				WHITE				BLACK			
	1975	1980	1985	1988	1975	1980	1985	1988	1975	1980	1985	1988
Wives, total	**44.5**	**50.2**	**54.3**	**56.7**	**43.7**	**49.3**	**53.4**	**55.8**	**54.3**	**59.3**	**64.2**	**68.1**
No children under 18	44.0	46.0	48.2	49.1	43.5	45.5	47.5	48.5	47.7	51.2	56.1	54.4
With children under 18	44.9	54.3	61.0	65.2	43.9	53.2	60.0	64.3	58.8	65.6	71.5	75.8
Under 6, total	36.8	45.3	53.7	57.4	35.0	43.5	52.3	56.3	56.4	63.4	69.3	71.7
Under 3	32.6	41.5	50.7	54.8	30.9	40.0	49.8	53.3	52.2	57.7	65.7	73.0
1 year or under	30.8	39.0	49.4	51.9	29.2	37.7	48.6	50.5	50.0	52.9	63.7	71.5
2 years	37.1	48.1	54.0	61.7	35.1	46.1	52.7	60.2	56.4	71.0	69.9	76.2
3 to 5 years	42.2	51.7	58.6	61.4	40.3	49.4	56.6	60.9	61.7	72.3	73.8	69.8
3 years	41.2	51.5	55.1	59.3	39.0	48.4	52.7	58.1	62.7	73.4	72.3	78.1
4 years	41.2	51.4	59.7	61.4	38.7	49.8	58.4	61.0	64.9	66.4	70.6	70.3
5 years	44.4	52.4	62.1	63.6	43.8	50.4	59.9	64.0	56.3	77.8	79.1	62.5
6 to 13 years	51.8	62.6	68.1	72.3	50.8	61.4	67.7	71.5	64.9	71.8	73.5	81.4
14 to 17 years	53.8	60.5	67.0	72.9	53.6	60.6	66.3	72.5	51.0	58.4	74.1	74.6

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review,* February 1986, and unpublished data.

No. 641. Civilian Employment in Occupations with the Largest Job Growth and in the Fastest Growing and Fastest Declining Occupations: 1986 and 2000

[In thousands, except percent. For occupations employing 100,000 or more in 1986. Includes wage and salary jobs, self-employed and unpaid family members. Estimates based on the 1983 through 1985 Occupational Employment Statistics Surveys. See source for methodological assumptions. Minus sign (–) indicates decrease]

OCCUPATION	EMPLOYMENT				PERCENT CHANGE, 1986–2000		
	1986	2000 [1]			Low	Moderate	High
		Low	Moderate	High			
Total [2]	**111,623**	**126,432**	**133,030**	**137,533**	**13**	**19**	**23**
LARGEST JOB GROWTH [3]							
Salespersons, retail	3,579	4,563	4,780	4,871	28	34	36
Waiters and waitresses	1,702	2,360	2,454	2,503	39	44	47
Registered nurses	1,406	1,951	2,018	2,077	39	44	48
Janitors and cleaners [4]	2,676	3,144	3,280	3,382	17	23	26
General managers and top executives	2,383	2,820	2,965	3,052	18	24	28
Cashiers	2,165	2,616	2,740	2,798	21	27	29
Truck drivers, light and heavy	2,211	2,599	2,736	2,811	18	24	27
General office clerks	2,361	2,688	2,824	2,916	14	20	23
Food counter, fountain, and related workers	1,500	1,879	1,949	1,985	25	30	32
Nursing aides, orderlies, and attendants	1,224	1,584	1,658	1,691	29	35	38
Secretaries	3,234	3,470	3,658	3,789	7	13	17
Guards	794	1,104	1,177	1,241	39	48	56
Accountants and auditors	945	1,251	1,322	1,371	32	40	45
Computer programmers	479	758	813	850	58	70	78
Food preparation workers	949	1,227	1,273	1,300	29	34	37
Teachers, kindergarten and elementary	1,527	1,778	1,826	1,883	16	20	23
Receptionists and information clerks	682	913	964	997	34	41	46
Computer systems analysts, EDP	331	544	582	607	64	76	83
Cooks, restaurant	520	727	759	778	40	46	50
Licensed practical nurses	631	835	869	891	32	38	41
Gardeners and groundskeepers, except farm	767	964	1,005	1,033	26	31	35
Maintenance repairers, general utility	1,039	1,205	1,270	1,314	16	22	26
Stock clerks, sales floor	1,087	1,255	1,312	1,333	15	21	23
First line supervisors and managers	956	1,106	1,161	1,200	16	21	25
Dining room, cafeteria attendants, barroom helpers	433	607	631	644	40	46	49
Electrical and electronics engineers	401	544	592	616	36	48	54
Lawyers	527	676	718	748	28	36	42
Cooks, short order and fast food	591	748	775	788	27	31	33
Carpenters	1,010	1,134	1,192	1,252	12	18	24
Bartenders	396	530	553	566	34	40	43
Financial managers	638	747	792	824	17	24	29
Food service and lodging managers	509	628	663	685	24	30	35
Teachers, secondary schools	1,128	1,248	1,280	1,320	10	13	17
Electrical and electronic technicians, technologists	313	428	459	473	37	46	51
Real estate sales agents	313	422	451	468	35	44	49
Computer operators, exc. peripheral equipment	263	364	387	403	39	47	53
Social workers	365	468	485	500	28	33	37
Medical assistants	132	239	251	258	81	90	96
Marketing, advertising, pub. relations managers	323	402	427	444	25	32	38
Legal assistants, tech., exc. clerical	170	258	272	282	51	60	66
FASTEST GROWING							
Medical assistants	132	239	251	258	81	90	96
Home health aides	138	236	249	258	71	80	87
Computer systems analysts, EDP	331	544	582	607	64	76	83
Computer programmers	479	758	813	850	58	70	78
Radiologic technologists and technicians	115	183	190	196	58	65	70
Legal assistants and technicians exc. clerical	170	258	272	282	51	60	66
Dental assistants	155	231	244	250	49	57	61
Guards	794	1,104	1,177	1,241	39	48	56
Electrical and electronics engineers	401	544	592	616	36	48	54
Computer operators, except peripheral equipment	263	364	387	403	39	47	53
Restaurant cooks	520	727	759	778	40	46	50
Dining room, cafeteria attendants, barroom helpers	433	607	631	644	40	46	49
FASTEST DECLINING							
Electrical and electronic assemblers	249	105	116	119	–58	–54	–52
Industrial truck and tractor operators	426	265	283	296	–38	–34	–31
Stenographers	178	123	128	133	–31	–28	–26
Farmers	1,182	810	850	871	–31	–28	–26
Textile draw-out and winding machine operators [5]	219	156	164	175	–28	–25	–20
Farm workers	940	705	750	779	–25	–20	–17
Data entry keyers, except composers	400	315	334	347	–21	–16	–13
Typists and word processors	1,002	820	862	892	–18	–14	–11
Sewing machine operators, garment	633	526	541	567	–17	–14	–10
Welding machine setters, operators, tenders	126	101	112	115	–20	–12	–9
Child care workers, private household	400	334	362	367	–16	–10	–8
TV and cable TV installers and repairers	119	102	108	115	–15	–9	–4

[1] Based on low, moderate, or high trend assumptions. [2] Includes other occupations, not shown separately. [3] Based on absolute employment change 1986 to 2000. [4] Includes maids and housekeepers. [5] Includes tenders.

Source: U.S. Bureau of Labor Statistics, *Monthy Labor Review*, September 1987.

No. 642. Employed Civilians, by Occupation, Sex, and Race: 1987

[For civilian noninstitutional population 16 years old and over. Annual average of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. Persons of Hispanic origin may be of any race]

OCCUPATION	Total employed (1,000)	PERCENT OF TOTAL		
		Female	Black	Hispanic
Total	**112,440**	**44.8**	10.1	**6.9**
Managerial and professional specialty	**27,742**	**44.3**	**6.2**	**3.7**
Executive, administrative, and managerial [1]	13,316	37.9	5.6	3.8
Officials and administrators, public	474	41.8	9.6	3.9
Financial managers	462	43.8	3.9	3.5
Personnel and labor relations managers	127	53.0	4.0	3.4
Purchasing managers	100	27.8	7.6	3.1
Managers, marketing, advertising and public relations	444	27.4	3.0	2.3
Administrators, education and related fields	516	48.5	9.9	3.7
Managers, medicine and health	154	59.9	6.9	3.1
Managers, properties and real estate	397	43.8	4.6	6.5
Management-related occupations	3,577	48.4	7.4	3.7
Accountants and auditors	1,255	45.7	7.4	3.5
Professional specialty [1]	14,426	50.1	6.7	3.5
Architects	135	12.6	2.2	7.2
Engineers [1]	1,731	6.9	3.5	2.6
Electrical and electronic	545	7.2	3.2	2.4
Mechanical	277	4.2	4.5	2.9
Mathematical and computer scientists	685	34.1	6.7	2.5
Computer systems analysts, scientists	447	32.1	6.9	2.2
Natural scientists	388	24.1	2.4	2.7
Health diagnosing occupations [1]	793	16.5	3.0	4.5
Physicians	514	19.5	3.7	5.5
Dentists	160	8.9	2.1	3.3
Health assessment and treating occupations [1]	2,148	86.3	7.7	2.9
Registered nurses	1,588	95.1	7.7	2.6
Therapists	285	76.3	6.5	3.5
Teachers, college and university	661	37.1	4.6	3.1
Teachers, except college and university [1]	3,587	73.6	9.4	3.9
Prekindergarten and kindergarten	389	98.4	13.7	5.1
Elementary school	1,329	85.3	10.0	4.0
Secondary school	1,172	54.3	8.2	3.7
Counselors, educational and vocational	191	59.5	14.0	5.2
Librarians, archivists, and curators	219	81.8	6.8	2.6
Librarians	196	85.6	7.0	1.9
Social scientists and urban planners	316	48.7	5.8	2.7
Psychologists	171	54.6	8.9	2.8
Social, recreation, and religious workers	980	46.6	12.5	5.6
Social workers	507	65.6	18.1	7.0
Lawyers and judges	707	19.7	3.4	2.0
Writers, artists, entertainers, and athletes	1,858	45.9	4.7	3.9
Technical, sales, and administrative support	**35,082**	**64.7**	**8.8**	**5.8**
Technicians and related support	3,346	48.6	8.5	3.9
Health technologists and technicians	1,142	84.3	13.8	3.5
Licensed practical nurses	406	97.0	18.3	2.7
Engineering and related technologists and technicians	896	17.1	4.9	5.4
Electrical and electronic technicians	305	14.3	5.9	4.7
Science technicians	204	31.5	7.5	3.0
Technicians, except health, engineering, and science	1,104	40.2	6.0	3.2
Computer programmers	527	36.6	5.6	2.7
Sales occupations	13,480	48.0	6.0	5.3
Supervisors and proprietors	3,572	31.8	4.3	4.4
Sales representatives, finance and business services [1]	2,330	40.1	3.5	3.4
Insurance sales	544	27.4	5.0	4.4
Real estate sales	778	48.7	2.3	2.9
Securities and financial services sales	319	24.7	1.9	2.3
Sales representatives, commodities, except retail	1,544	17.1	2.5	4.2
Sales workers, retail and personal services	5,973	68.5	8.9	6.6
Cashiers	2,286	83.0	12.8	8.0
Sales-related occupations	60	67.8	2.3	4.9
Administrative support, including clerical	18,256	80.0	11.0	6.2
Supervisors	723	56.9	11.3	5.2
Computer equipment operators	914	66.0	14.1	6.2
Computer operators	911	66.0	14.1	6.1
Secretaries, stenographers, and typists [1]	5,004	98.1	8.4	5.2
Secretaries	4,107	99.1	6.8	4.8
Typists	843	94.6	16.5	7.3
Information clerks	1,371	90.0	8.8	7.6
Receptionists	766	97.5	7.6	7.1
Records processing occupations, except financial	844	80.9	15.8	6.7
File clerks	281	82.5	20.4	7.2
Financial records processing	2,469	90.9	6.0	4.7
Bookkeepers, accounting, and auditing clerks	2,004	92.4	4.7	4.7

See footnotes at end of table.

No. 642. Employed Civilians, by Occupation, Sex, and Race: 1987—Continued

[See headnote, page 388]

OCCUPATION	Total employed (1,000)	PERCENT OF TOTAL		
		Female	Black	Hispanic
Technical, sales, and administrative support—Con.				
Administrative support, including clerical—Con.				
Duplicating, mail and other office machine operators	69	64.7	20.3	5.6
Communications equipment operators	225	91.8	19.9	6.1
Telephone operators	218	92.2	19.5	6.2
Mail and message distributing occupations	961	34.7	19.8	7.7
Postal clerks, except mail carriers	315	44.0	27.7	7.2
Material recording, scheduling, and distributing clerks	1,709	39.9	13.3	8.1
Adjusters and investigators	897	73.0	12.0	5.5
Miscellaneous administrative support [1]	3,071	84.9	12.7	6.9
General office clerks	803	82.9	11.3	7.5
Bank tellers	467	90.6	7.9	6.1
Data entry keyers	361	87.2	19.4	6.5
Teachers' aides	390	95.1	15.0	9.9
Service occupations	**15,054**	**60.6**	**17.4**	**9.1**
Private household [1]	934	96.3	22.6	12.8
Child care workers	405	96.9	8.0	6.4
Cleaners and servants	472	96.0	34.4	18.0
Protective service [1]	1,907	14.2	16.6	5.8
Firefighting and fire prevention	221	2.0	7.4	5.3
Police and detectives	717	11.4	15.1	5.2
Guards	809	21.5	21.7	6.9
Service except private household and protective	12,213	65.2	17.1	9.3
Food preparation and service occupations [1]	5,204	62.4	12.7	9.1
Bartenders	326	49.9	2.3	5.7
Waiters and waitresses	1,383	85.1	5.1	5.7
Cooks, except short order	1,627	50.1	18.4	9.6
Short-order cooks	93	34.5	20.6	8.0
Food counter, fountain, and related occupations	359	77.7	13.7	6.7
Kitchen workers, food preparation	130	76.0	20.1	10.4
Waiters' and waitresses' assistants	325	37.8	15.6	17.6
Health service occupations	1,873	89.8	25.5	7.0
Dental assistants	169	98.0	5.8	10.3
Health aides, except nursing	380	84.0	15.8	6.9
Nursing aides, orderlies, and attendants	1,324	90.4	30.8	6.6
Cleaning and building service occupations [1]	2,886	41.7	24.2	12.9
Maids and housemen	602	84.6	30.0	14.6
Janitors and cleaners	2,059	30.8	22.8	12.7
Personal service occupations [1]	2,249	81.3	11.2	7.2
Barbers	90	17.9	8.1	8.3
Hairdressers and cosmetologists	743	89.3	7.5	6.4
Attendants, amusement and recreation facilities	128	43.2	7.1	4.9
Public transportation attendants	76	84.5	9.4	5.1
Welfare service aides	104	90.5	24.6	13.3
Child care workers, except private household	827	96.0	12.5	7.1
Precision production, craft, and repair	**13,568**	**8.5**	**7.3**	**8.0**
Mechanics and repairers	4,445	3.4	7.3	7.0
Mechanics and repairers, except supervisors [1]	4,186	3.0	7.3	7.3
Vehicle and mobile equipment mechanics and repairers	1,779	1.0	7.1	8.7
Automobile mechanics	871	.6	7.4	9.3
Electrical and electronic equipment repairers	685	8.5	7.4	5.6
Telephone installers and repairers	215	11.7	8.0	5.5
Construction trades	5,011	1.9	7.1	7.7
Construction trades, except supervisors	4,382	2.0	7.4	8.2
Carpenters	1,388	1.2	5.0	7.7
Extractive occupations	161	3.3	3.7	9.1
Precision production occupations	3,951	22.8	7.9	9.4
Operators, fabricators, and laborers	**17,486**	**25.8**	**15.2**	**10.8**
Machine operators, assemblers, and inspectors [1]	7,994	41.2	14.9	12.5
Textile, apparel, and furnishings machine operators [1]	1,334	79.0	22.1	17.5
Textile sewing machine operators	755	91.0	18.2	21.6
Pressing machine operators	138	64.3	33.0	20.2
Fabricators, assemblers, and hand working occupations	1,877	32.9	12.2	11.8
Production inspectors, testers, samplers, and weighers	861	51.0	14.5	9.3
Transportation and material moving occupations	4,712	8.4	14.8	7.6
Motor vehicle operators	3,489	10.1	14.8	7.9
Trucks, heavy and light	2,543	4.2	13.3	8.2
Transportation occupations, except motor vehicles	194	1.9	8.1	3.4
Material moving equipment operators	1,029	3.8	16.1	7.7
Industrial truck and tractor operators	428	5.0	24.0	9.3
Handlers, equipment cleaners, helpers, and laborers [1]	4,779	17.1	16.0	11.1
Freight, stock, and material handlers	1,696	16.9	15.9	8.1
Laborers, except construction	1,251	18.3	17.5	11.6
Farming, forestry, and fishing	**3,507**	**15.8**	**6.5**	**13.2**
Farm operators and managers	1,317	14.9	1.4	1.5
Other agricultural and related occupations	2,013	17.1	9.6	21.6
Farm workers	968	21.7	8.8	24.2
Forestry and logging occupations	104	5.9	17.1	2.6
Fishers, hunters, and trappers	73	9.1	1.0	6.3

[1] Includes other occupations, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January 1988.

No. 643. Occupation of Employed Civilians by Sex, Race, and Educational Attainment: 1988

[As of **March**. For civilian noninstitutional population 25-64 years of age. Based on Current Population Survey; see text, section 1 and Appendix III]

SEX, RACE, AND YEARS OF SCHOOL COMPLETED	Total employed	Managerial/ professional	Tech./ sales/ administrative	Service [1]	Precision production [2]	Operators/ fabricators [3]	Farming, forestry, fishing
NUMBER (1,000)							
Male, total:							
Less than 4 years of high school	7,807	460	617	908	2,257	2,967	598
4 years of high school only	18,402	2,212	3,287	1,776	5,418	4,936	774
1 to 3 years of college	9,342	2,427	2,694	812	1,885	1,296	227
4 years of college or more	14,367	9,588	3,140	410	591	479	159
White:							
Less than 4 years of high school	6,586	419	526	672	2,013	2,432	523
4 years of high school only	16,258	2,075	2,961	1,345	4,995	4,144	739
1 to 3 years of college	8,220	2,229	2,368	631	1,706	1,068	216
4 years of college or more	12,972	8,770	2,829	332	524	360	157
Black:							
Less than 4 years of high school	1,053	30	81	194	202	482	64
4 years of high school only	1,788	96	241	350	367	707	27
1 to 3 years of college	840	141	226	140	122	208	4
4 years of college or more	659	385	130	47	29	65	2
Female, total:							
Less than 4 years of high school	4,812	287	1,048	1,830	227	1,330	88
4 years of high school only	17,437	2,273	9,225	3,275	513	1,982	171
1 to 3 years of college	8,640	2,508	4,663	997	155	269	48
4 years of college or more	9,586	6,502	2,537	333	69	103	41
White:							
Less than 4 years of high school	3,781	234	947	1,255	187	1,075	83
4 years of high school only	15,052	2,054	8,251	2,613	433	1,539	163
1 to 3 years of college	7,420	2,222	3,993	820	131	205	48
4 years of college or more	8,310	5,724	2,163	257	58	68	41
Black:							
Less than 4 years of high school	874	33	91	518	26	205	2
4 years of high school only	2,024	187	822	585	54	369	6
1 to 3 years of college	940	217	509	146	17	49	-
4 years of college or more	805	515	221	50	10	10	-
PERCENT DISTRIBUTION							
Male, total:							
Less than 4 years of high school	100.0	5.9	7.9	11.6	28.9	38.0	7.6
4 years of high school only	100.0	12.0	17.9	9.7	29.4	26.8	4.2
1 to 3 years of college	100.0	26.0	28.8	8.7	20.2	13.9	2.4
4 years of college or more	100.0	66.7	21.9	2.9	4.1	3.3	1.1
White:							
Less than 4 years of high school	100.0	6.4	8.0	10.2	30.6	36.9	7.9
4 years of high school only	100.0	12.8	18.2	8.3	30.7	25.5	4.5
1 to 3 years of college	100.0	27.1	28.8	7.7	20.8	13.0	2.6
4 years of college or more	100.0	67.6	21.8	2.6	4.0	2.8	1.2
Black:							
Less than 4 years of high school	100.0	2.8	7.7	18.4	19.2	45.8	6.1
4 years of high school only	100.0	5.4	13.5	19.6	20.5	39.5	1.5
1 to 3 years of college	100.0	16.8	26.9	16.7	14.5	24.7	.5
4 years of college or more	100.0	58.5	19.8	7.1	4.4	9.9	.3
Female, total:							
Less than 4 years of high school	100.0	6.0	21.8	38.1	4.7	27.7	1.8
4 years of high school only	100.0	13.0	52.9	18.8	2.9	11.4	1.0
1 to 3 years of college	100.0	29.0	54.0	11.5	1.8	3.1	.6
4 years of college or more	100.0	67.8	26.5	3.5	.7	1.1	.4
White:							
Less than 4 years of high school	100.0	6.2	25.0	33.2	5.0	28.4	2.2
4 years of high school only	100.0	13.6	54.8	17.4	2.9	10.2	1.1
1 to 3 years of college	100.0	30.0	53.8	11.1	1.8	2.8	.7
4 years of college or more	100.0	68.9	26.0	3.1	.7	.8	.5
Black:							
Less than 4 years of high school	100.0	3.8	10.4	59.2	3.0	23.4	.2
4 years of high school only	100.0	9.2	40.6	28.9	2.7	18.2	.3
1 to 3 years of college	100.0	23.1	54.3	15.6	1.8	5.2	-
4 years of college or more	100.0	63.9	27.4	6.2	1.2	1.2	-

- Represents zero. [1] Includes private household workers. [2] Includes craft and repair. [3] Includes laborers.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 644. Occupation of Employed Civilians by Sex and Educational Attainment: 1988

[As of **March.** For civilian noninstitutional population 25–64 years of age. Based on Current Population Survey; see text, section 1 and Appendix III]

YEARS OF SCHOOL COMPLETED	TOTAL [1]		MANAGERIAL/ PROFES-SIONAL		TECHNICAL/ SALES/ ADMINISTRA-TIVE		SERVICE [2]		PRECISION PRODUC-TION [3]		OPERA-TORS/ FABRICA-TORS [4]	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
NUMBER (1,000)												
Total	**49,918**	**40,476**	**14,688**	**11,570**	**9,738**	**17,472**	**3,907**	**6,435**	**10,151**	**965**	**9,678**	**3,685**
Less than 4 years of high school	7,807	4,812	460	287	617	1,048	908	1,830	2,257	227	2,967	1,330
4 years of high school only	18,402	17,437	2,212	2,273	3,287	9,225	1,776	3,275	5,418	513	4,936	1,982
1 to 3 years of college	9,342	8,640	2,427	2,508	2,694	4,663	812	997	1,885	155	1,296	269
4 years of college or more	14,367	9,586	9,588	6,502	3,140	2,537	410	333	591	69	479	103
PERCENT DISTRIBUTION												
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Less than 4 years of high school	15.6	11.9	3.1	2.5	6.3	6.0	23.2	28.4	22.2	23.5	30.7	36.1
4 years of high school only	36.9	43.1	15.1	19.6	33.8	52.8	45.5	50.9	53.4	53.2	51.0	53.8
1 to 3 years of college	18.7	21.3	16.5	21.7	27.7	26.7	20.8	15.5	18.6	16.1	13.4	7.3
4 years of college or more	28.8	23.7	65.3	56.2	32.2	14.5	10.5	5.2	5.8	7.2	4.9	2.8

[1] Includes other occupations not shown separately. [2] Includes private household workers. [3] Includes craft and repair. [4] Includes laborers.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 645. Employment by Industry, 1970 to 1987, and by Selected Characteristics, 1987

[**In thousands, except percent.** For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. Data from 1985 forward not strictly comparable with earlier years due to changes in industrial classification]

INDUSTRY	1970	1975	1980	1985	1986	1987			
						Total	Percent		
							Female	Black	Hispanic [1]
Total employed	**78,678**	**85,846**	**99,303**	**107,150**	**109,597**	**112,440**	**44.8**	**10.1**	**6.9**
Agriculture	3,463	3,408	3,364	3,179	3,163	3,208	20.7	5.1	12.4
Mining	516	752	979	939	880	818	15.0	3.8	6.7
Construction	4,818	5,093	6,215	6,987	7,288	7,456	8.9	7.2	7.2
Manufacturing	20,746	19,457	21,942	20,879	20,962	20,935	32.8	10.3	8.2
Transportation, communication, and other public utilities	5,320	5,692	6,525	7,548	7,650	7,880	26.9	13.3	6.0
Wholesale and retail trade	15,008	17,713	20,191	22,296	22,813	23,392	47.4	8.0	7.1
Wholesale trade	2,672	3,382	3,920	4,341	4,416	4,580	28.0	5.8	7.0
Retail trade	12,336	14,331	16,270	17,955	18,397	18,812	52.2	8.5	7.2
Finance, insurance, real estate	3,945	4,735	5,993	7,005	7,401	7,763	59.3	7.9	5.7
Banking and other finances	1,697	1,951	2,568	3,135	3,263	3,421	64.9	8.1	6.0
Insurance and real estate	2,248	2,783	3,425	3,870	4,137	4,342	54.9	7.7	5.5
Services [2]	20,385	24,174	28,752	33,322	34,337	35,743	61.6	11.6	6.2
Business services [2]	1,403	1,695	2,361	3,999	4,306	4,706	48.8	11.4	6.6
Advertising	147	154	191	263	270	293	53.6	5.3	4.6
Services to dwellings and buildings	(NA)	274	370	571	601	675	45.9	18.7	13.7
Personnel supply services	(NA)	125	235	590	618	640	72.5	20.9	6.3
Business management/consulting	(NA)	194	307	395	446	460	50.0	5.1	2.8
Computer and data processing	(NA)	108	221	549	610	663	50.2	6.6	3.2
Detective/protective services	(NA)	172	213	318	335	371	20.7	23.0	8.2
Automobile services	600	711	952	1,322	1,280	1,271	13.5	8.3	9.7
Personal services [2]	4,276	3,772	3,839	4,352	4,472	4,598	72.3	14.4	9.6
Private households	1,782	1,392	1,257	1,254	1,241	1,216	84.9	21.9	11.8
Hotels and lodging places	979	996	1,149	1,451	1,523	1,597	65.3	13.1	10.6
Entertainment and recreation	717	865	1,047	1,278	1,292	1,353	41.1	8.0	7.1
Professional and related services [2]	12,904	16,573	19,853	21,563	22,174	22,963	67.6	11.7	5.1
Hospitals	2,843	3,441	4,036	4,269	4,368	4,444	77.1	16.4	5.5
Health services, except hospitals	1,628	2,505	3,345	3,641	3,761	4,034	76.4	11.1	5.3
Elementary, secondary schools	6,126	5,077	5,550	5,431	5,510	5,550	72.0	12.0	5.2
Colleges and universities		1,852	2,108	2,281	2,342	2,378	51.7	9.3	4.0
Social services	828	1,247	1,590	1,682	1,805	1,946	78.7	17.2	7.0
Legal services	429	541	776	995	1,034	1,138	56.2	5.0	3.8
Public administration [3]	4,476	4,824	5,342	4,995	5,104	5,246	41.4	14.6	5.7

NA Not available. [1] Hispanic persons may be of any race. [2] Includes industries not shown separately. [3] Includes workers involved in uniquely governmental activities, e.g., judicial and legislative.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* January issues.

No. 646. EMPLOYMENT BY SELECTED INDUSTRY, 1970 TO 1986, AND PROJECTIONS, 2000

[In thousands, except percent. Figures may differ from those in other tables since these data exclude establishments not elsewhere classified (SIC 99); in addition, agriculture services (SIC 074, 5, 8) are included in agriculture, not services. See source for details]

SIC [1] code	INDUSTRY	EMPLOYMENT				ANNUAL AVERAGE RATE OF CHANGE		
		1970	1980	1986	2000 [2]	1970–1980	1980–1986	1986–2000
(X)	**Total**	**81,664**	**102,019**	**111,623**	**133,029**	**2.3**	**1.5**	**1.3**
(X)	Nonfarm wage and salary	70,725	90,043	99,044	119,156	2.4	1.6	1.3
(X)	Goods-producing (excluding agriculture)	23,578	25,659	24,681	24,678	.8	–.6	–
10–14	Mining	623	1,027	783	724	5.1	–4.4	–.6
15–17	Construction	3,588	4,346	4,904	5,794	1.9	2.0	1.2
20–39	Manufacturing	19,367	20,286	18,994	18,160	.5	–1.1	–.3
24, 25, 32–39	Durable	11,210	12,188	11,244	10,731	.8	–1.3	–.3
24	Lumber and wood products	646	691	711	693	.7	.5	–.2
25	Furniture and fixtures	440	465	497	563	.6	1.1	.9
32	Stone, clay, and glass products	644	662	586	535	.3	–2.0	–.6
33	Primary metal industries	1,260	1,142	753	574	–1.0	–6.7	–1.9
331	Blast furnaces and basic steel products	627	512	275	202	–2.0	–9.8	–2.2
34	Fabricated metal products	1,560	1,613	1,433	1,313	.3	–2.0	–.6
35	Machinery, except electrical	1,984	2,494	2,059	2,129	2.3	–3.1	.2
3573	Electronic computing equipment	194	354	418	503	6.2	2.8	1.3
36	Electrical and electronic equipment [3]	1,871	2,091	2,124	2,128	1.1	.3	–
3662	Radio and TV communication equipment	362	378	505	542	.4	4.9	.5
3674	Semiconductors and related devices	(NA)	223	268	289	(NA)	3.1	.5
37	Transportation equipment	1,852	1,900	2,016	1,697	.3	1.0	–1.2
371	Motor vehicles	799	788	865	749	–.1	1.6	–1.0
38	Instruments and related products	527	712	707	771	3.1	–.1	.6
39	Miscellaneous manufacturing	426	418	362	329	–.2	–2.4	–.7
20–23, 26–31	Nondurable	8,157	8,098	7,750	7,429	–.1	–.7	–.3
20	Food and kindred products	1,786	1,708	1,617	1,456	–.4	–.9	–.7
21	Tobacco manufactures	83	69	59	46	–1.8	–2.6	–1.8
22	Textile mill products	974	847	706	607	–1.4	–3.0	–1.1
23	Apparel and other textile products	1,364	1,264	1,105	924	–.8	–2.2	–1.3
26	Paper and allied products	705	693	675	655	–.2	–.4	–.2
27	Printing and publishing	1,104	1,252	1,458	1,706	1.3	2.6	1.1
28	Chemicals and allied products	1,049	1,107	1,023	950	.5	–1.3	–.5
29	Petroleum and coal products	192	198	169	127	.3	–2.6	–2.0
30	Rubber and miscellaneous plastics products	580	727	789	861	2.3	1.4	.8
31	Leather and leather products	320	233	152	98	–3.1	–6.9	–3.1
(X)	Service-producing	47,147	64,384	74,363	94,478	3.2	2.4	1.7
40–42, 44–49	Transportation and public utilities	4,517	5,146	5,244	5,719	1.3	.3	.6
40–42, 44–47	Transportation	2,696	2,962	3,041	3,500	.9	.4	1.0
48	Communications	1,130	1,357	1,279	1,222	1.8	–1.0	–.3
49	Public utilities	691	827	924	998	1.8	1.9	.6
50–51	Wholesale trade	3,993	5,275	5,735	7,266	2.8	1.4	1.7
52–59	Retail trade	11,048	15,035	17,845	22,702	3.1	2.9	1.7
58	Eating and drinking places	2,575	4,626	5,879	8,365	6.0	4.1	2.6
60–67	Finance, insurance, and real estate	3,646	5,159	6,297	7,917	3.5	3.4	1.7
70–86, 89	Services [3]	11,390	17,528	22,531	32,545	4.4	4.3	2.7
70	Hotels and other lodging places	(NA)	1,076	1,401	1,971	(NA)	4.5	2.5
72	Personal services	989	901	1,104	1,357	–.9	3.4	1.5
73	Business services [3]	1,676	3,092	4,781	8,121	6.3	7.5	3.9
734	Services to dwellings and other buildings	295	495	681	1,020	5.3	5.5	2.9
736	Personnel supply services	(NA)	563	1,017	1,851	(NA)	10.4	4.4
737	Computer and data processing services	(NA)	304	591	1,203	(NA)	11.7	5.2
7391, 2, 7	Research, management, and consulting services	(NA)	539	788	1,301	(NA)	6.5	3.6
79	Amusement and recreation services	468	764	915	1,204	5.0	3.1	2.0
80	Health services	[3] 3,053	5,278	6,551	9,774	5.6	3.7	2.9
801–4	Offices of health practitioners	(NA)	1,211	1,672	3,061	(NA)	5.5	4.4
805	Nursing and personal care facilities	(NA)	997	1,250	2,097	(NA)	3.8	3.8
806	Hospitals, private	1,863	2,750	3,038	3,513	4.0	1.7	1.0
807–9	Outpatient facilities and health services, n.e.c.[4]	(NA)	320	591	1,103	(NA)	10.7	4.6
81	Legal services	236	498	748	1,267	7.8	7.0	3.8
82	Educational services	940	1,138	1,428	1,620	1.9	3.9	.9
83, 4, 6, 9	Social, membership, and miscellaneous services	(NA)	3,704	4,296	5,569	(NA)	2.5	1.9
(X)	Government	12,553	16,241	16,711	18,329	2.6	.5	.7
(X)	Federal government	2,731	2,866	2,899	3,000	.5	.2	.2
(X)	State and local government	9,822	13,375	13,812	15,329	3.1	.5	.7
01, 2, 7, 8, 9	Agriculture	3,506	3,426	3,252	2,917	–.2	–.8	–.8
88	Private households	1,794	1,256	1,241	1,215	–3.5	–.2	–.1
(X)	Nonfarm self-employed and unpaid family workers	5,639	7,294	8,086	9,741	2.8	1.7	1.3

– Represents or rounds to zero. NA Not available. X Not applicable. [1] Standard Industrial Classification; see text, section 13. [2] Projections based on assumptions of moderate growth; see source for details. [3] Includes other industries, not shown separately. [4] N.e.c. means not elsewhere classified.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, September 1987.

No. 647. Unemployed Workers—Summary: 1972 to 1987

[In thousands, **except as indicated.** For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. For data on unemployment insurance, see table 587. See also *Historical Statistics, Colonial Times to 1970*, series D 87–101]

ITEM AND CHARACTERISTIC	1972	1975	1980	1982	1983	1984	1985	1986	1987
UNEMPLOYED									
Total [1]	**4,882**	**7,929**	**7,637**	**10,678**	**10,717**	**8,539**	**8,312**	**8,237**	**7,425**
Labor force time lost [2] (percent)	5.9	9.1	7.9	11.0	10.9	8.6	8.1	7.9	7.1
16-19 years old	1,308	1,767	1,669	1,977	1,829	1,499	1,468	1,454	1,347
20-24 years old	1,132	1,865	1,835	2,392	2,330	1,838	1,738	1,651	1,453
25-44 years old	1,454	2,727	2,964	4,589	4,728	3,709	3,681	3,761	3,410
45-64 years old	878	1,413	1,075	1,613	1,716	1,394	1,331	1,279	1,135
65 years and over	111	155	94	107	114	97	93	91	78
Male	2,659	4,442	4,267	6,179	6,260	4,744	4,521	4,530	4,101
16-19 years old	711	966	913	1,090	1,003	812	806	779	732
20-24 years old	628	1,081	1,076	1,407	1,369	1,023	944	899	779
25-44 years old	750	1,493	1,619	2,670	2,769	2,050	1,950	2,054	1,858
45-64 years old	499	801	600	943	1,046	806	766	741	684
65 years and over	73	103	58	69	73	53	55	58	49
Female	2,222	3,486	3,370	4,499	4,457	3,794	3,791	3,707	3,324
16-19 years old	598	802	755	886	825	687	661	675	616
20-24 years old	503	783	760	985	961	815	794	752	674
25-44 years old	706	1,235	1,345	1,919	1,958	1,659	1,732	1,708	1,552
45-64 years old	378	612	473	670	671	589	566	539	453
65 years and over	38	52	36	38	41	45	39	33	30
White	3,906	6,421	5,884	8,241	8,128	6,372	6,191	6,140	5,501
16-19 years old	1,021	1,413	1,291	1,534	1,387	1,116	1,074	1,070	995
20-24 years old	887	1,474	1,364	1,770	1,678	1,282	1,235	1,149	1,017
Black	906	1,369	1,553	2,142	2,272	1,914	1,864	1,840	1,684
16-19 years old	279	330	343	396	392	353	357	347	312
20-24 years old	226	362	426	565	591	504	455	453	397
Hispanic [3]	(NA)	508	620	929	961	800	811	857	751
Full-time workers	3,806	6,523	6,269	9,006	9,075	7,057	6,793	6,708	5,979
Part-time workers	1,077	1,408	1,369	1,672	1,642	1,481	1,519	1,529	1,446
UNEMPLOYMENT RATE (percent) [4]									
Total [1]	**5.6**	**8.5**	**7.1**	**9.7**	**9.6**	**7.5**	**7.2**	**7.0**	**6.2**
16-19 years old	16.2	19.9	17.8	23.2	22.4	18.9	18.6	18.3	16.9
20-24 years old	9.3	13.6	11.5	14.9	14.5	11.5	11.1	10.7	9.7
25-44 years old	4.1	6.9	6.0	8.6	8.5	6.4	6.2	6.1	5.4
45-64 years old	3.1	5.0	3.7	5.6	5.9	4.8	4.5	4.3	3.8
65 years and over	3.6	5.2	3.1	3.5	3.7	3.3	3.2	3.0	2.5
Male	5.0	7.9	6.9	9.9	9.9	7.4	7.0	6.9	6.2
16-19 years old	15.9	20.1	18.3	24.4	23.3	19.6	19.5	19.0	17.8
20-24 years old	9.3	14.3	12.5	16.4	15.9	11.9	11.4	11.0	9.9
25-44 years old	3.3	6.1	5.6	8.7	8.8	6.3	5.9	6.0	5.3
45-64 years old	2.8	4.6	3.5	5.6	6.2	4.8	4.5	4.4	4.0
65 years and over	3.6	5.4	3.1	3.7	3.9	3.0	3.1	3.2	2.6
Female	6.6	9.3	7.4	9.4	9.2	7.6	7.4	7.1	6.2
16-19 years old	16.7	19.7	17.2	21.9	21.3	18.0	17.6	17.6	15.9
20-24 years old	9.4	12.7	10.4	13.2	12.9	10.9	10.7	10.3	9.4
25-44 years old	5.6	8.1	6.4	8.3	8.2	6.6	6.6	6.2	5.5
45-64 years old	3.5	5.6	4.0	5.6	5.6	4.9	4.6	4.2	3.5
65 years and over	3.5	5.0	3.1	3.2	3.4	3.8	3.3	2.8	2.4
White	5.1	7.8	6.3	8.6	8.4	6.5	6.2	6.0	5.3
16-19 years old	14.2	17.9	15.5	20.4	19.3	16.0	15.7	15.6	14.4
20-24 years old	8.4	12.3	9.9	12.8	12.1	9.3	9.2	8.7	8.0
Black	10.4	14.8	14.3	18.9	19.5	15.9	15.1	14.5	13.0
16-19 years old	35.4	39.5	38.5	48.0	48.5	42.7	40.2	39.3	34.7
20-24 years old	16.3	24.5	23.6	30.5	31.4	26.1	24.5	24.1	21.8
Hispanic [3]	(NA)	12.2	10.1	13.8	13.7	10.7	10.5	10.6	8.8
Experienced workers [5]	5.3	8.2	6.9	9.3	9.2	7.1	6.8	6.6	5.8
Women maintaining families [1]	7.2	10.0	9.2	11.7	12.3	10.4	10.5	9.9	9.3
White	5.8	8.5	7.3	9.4	9.2	7.8	8.1	7.8	6.8
Black	(NA)	(NA)	14.0	18.0	20.2	16.7	16.4	15.4	15.4
Married men, wife present [1]	2.8	5.1	4.2	6.5	6.5	4.6	4.3	4.4	3.9
White	2.6	4.8	3.9	6.0	6.0	4.3	4.0	4.0	3.6
Black	4.5	8.7	7.4	11.5	11.3	8.1	8.0	8.0	6.5
Percent without work for—									
Less than 5 weeks	45.9	37.1	43.1	36.4	33.3	39.2	42.1	41.9	43.7
5-10 weeks	22.5	22.2	23.4	21.7	19.4	20.6	22.2	22.6	21.6
11-14 weeks	7.6	9.1	9.0	9.4	8.0	8.1	8.0	8.4	7.9
15-26 weeks	12.3	16.4	13.8	16.0	15.4	12.9	12.3	12.7	12.7
27 weeks and over	11.6	15.2	10.7	16.6	23.9	19.1	15.4	14.4	14.0
Unemployment duration, average (weeks)	12.1	14.2	11.9	15.6	20.0	18.2	15.6	15.0	14.5

NA Not available. [1] Includes other races, not shown separately. [2] Aggregate hours lost by the unemployed and persons on part-time for economic reasons as a percent of potentially available labor force hours. [3] Hispanic persons may be of any race. [4] Unemployed as percent of civilian labor force in specified group. [5] Wage and salary workers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; and unpublished data.

No. 648. UNEMPLOYED PERSONS BY SEX AND REASON, 1970 TO 1987, AND BY DURATION, 1987

[In thousands, except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

SEX AND REASON UNEMPLOYED	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987			
											Total	Duration of unemployment (percent)		
												Less than 5 weeks	5 to 14 weeks	15 weeks and over
Male	**2,238**	**4,442**	**3,120**	**4,267**	**4,577**	**6,179**	**6,260**	**4,744**	**4,521**	**4,530**	**4,101**	**39.4**	**29.7**	**30.9**
Job losers	1,199	2,909	1,667	2,649	2,821	4,278	4,331	2,976	2,749	2,725	2,432	33.7	29.8	36.5
Job leavers	282	375	427	438	435	390	386	375	409	520	494	45.7	30.4	23.9
Reentrants	533	782	673	776	850	946	953	867	876	805	761	47.4	29.3	23.4
New entrants	224	377	352	405	472	565	589	526	487	480	413	50.5	26.9	22.6
Female	**1,855**	**3,486**	**3,018**	**3,370**	**3,696**	**4,499**	**4,457**	**3,794**	**3,791**	**3,707**	**3,324**	**49.1**	**29.4**	**21.5**
Job losers	614	1,478	968	1,297	1,446	1,990	1,326	1,445	1,390	1,308	1,134	39.0	31.2	29.7
Job leavers	267	452	453	454	488	450	444	449	468	494	471	51.7	29.8	18.5
Reentrants	696	1,110	1,133	1,151	1,252	1,438	1,459	1,317	1,380	1,355	1,213	54.5	27.9	17.5
New entrants	279	447	465	468	509	621	627	584	552	549	506	56.3	28.3	15.4

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly, and Bulletin 2307.

No. 649. UNEMPLOYMENT RATES BY EDUCATIONAL ATTAINMENT, SEX, AND RACE: 1970 TO 1988

[In percent. As of March. Civilian noninstitutional population 25 to 64 years of age. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	198
Total [1]	3.3	6.9	5.8	4.5	4.4	5.0	5.8	7.6	9.0	6.6	6.1	6.1	5.7	4.7
High school: 1-3 years	4.6	10.7	9.0	7.4	7.2	8.4	10.1	12.5	15.8	12.1	11.4	11.6	11.1	9.6
4 years	2.9	6.9	5.6	4.5	4.4	5.1	6.2	8.5	10.0	7.2	6.9	6.9	6.3	5.4
College: 1-3 years	2.9	5.5	5.0	3.3	3.5	4.3	4.5	6.4	7.3	5.3	4.7	4.7	4.5	3.7
4 years or more	1.3	2.5	2.8	2.2	2.1	1.9	2.2	3.0	3.5	2.7	2.4	2.3	2.3	1.7
Male: Total [1]	2.9	6.7	5.3	4.2	4.0	4.9	5.8	7.9	9.8	6.9	6.1	6.2	6.0	5.1
High school: 1-3 years	4.0	10.5	8.6	7.1	6.6	8.2	10.2	12.7	16.1	12.3	11.2	11.7	11.2	10.1
4 years	2.4	6.7	5.1	4.2	4.2	5.3	6.6	9.3	11.9	8.1	7.2	7.4	6.7	6.2
College: 1-3 years	2.7	5.1	4.5	3.1	3.2	4.4	4.4	6.8	8.4	5.2	4.5	4.7	5.0	3.9
4 years or more	1.1	2.2	2.4	1.9	1.7	1.7	1.9	2.9	3.4	2.7	2.4	2.3	2.5	1.6
Female: Total [1]	4.0	7.4	6.5	5.0	4.9	5.0	5.7	7.2	7.9	6.1	6.0	5.8	5.2	4.2
High school: 1-3 years	5.7	10.5	9.7	7.9	8.3	8.9	10.0	12.2	15.3	11.7	11.7	11.4	10.9	8.9
4 years	3.6	7.1	6.2	4.9	4.7	5.0	5.8	7.8	8.0	6.3	6.5	6.3	5.8	4.6
College: 1-3 years	3.1	6.3	5.7	3.6	3.8	4.1	4.6	5.3	6.0	5.3	4.8	4.8	4.0	3.4
4 years or more	1.9	3.4	3.6	2.6	2.8	2.2	2.7	3.3	3.7	2.7	2.5	2.4	2.1	1.9
White: Total [1]	3.1	6.5	5.3	4.0	3.9	4.4	5.1	6.8	8.0	5.7	5.3	5.5	5.0	4.0
High school: 1-3 years	4.5	10.1	8.4	6.7	6.5	7.8	9.2	12.2	15.0	10.9	10.6	10.9	10.2	8.3
4 years	2.7	6.5	5.2	4.0	3.9	4.6	5.6	7.6	8.9	6.4	6.1	6.2	5.5	4.6
College: 1-3 years	2.8	5.1	4.6	2.9	3.1	3.9	4.0	5.4	6.5	4.6	3.9	4.2	4.1	3.2
4 years or more	1.3	2.4	2.8	2.0	2.0	1.8	2.1	2.8	3.1	2.4	2.1	2.2	2.2	1.5
Black: Total [1] [2]	4.7	10.9	10.1	8.9	8.8	9.6	11.4	13.9	16.8	13.3	12.0	10.7	10.6	10.0
High school: 1-3 years	5.2	13.5	11.7	10.7	10.6	11.7	14.3	14.4	19.9	17.4	15.3	15.3	14.8	15.7
4 years	5.2	10.7	10.1	9.3	9.3	9.5	11.8	16.4	18.9	14.5	13.0	11.7	11.7	11.2
College: 1-3 years	3.5	9.8	10.5	6.7	6.7	9.0	9.5	12.5	13.3	9.7	10.6	8.7	7.8	7.4
4 years or more	.9	3.9	2.8	4.2	3.9	4.0	4.0	7.1	8.1	6.2	5.4	3.2	4.2	3.3

[1] Includes persons reporting no school years completed. [2] For 1970 and 1975, data refer to Black and other workers.

Source: U.S. Bureau of Labor Statistics, *Labor Force Statistics Derived from the Current Population Survey, 1948-87,* and unpublished data.

No. 650. UNEMPLOYMENT RATES BY INDUSTRY, 1975 TO 1987, AND BY SEX, 1980 AND 1987

[For civilian noninstitutional population 16 years old and over. Rate represents unemployment as a percent of labor force in each specified group. Annual averages of monthly figures. Beginning 1983, data not strictly comparable with earlier years due to changes in industrial classification]

INDUSTRY	1975	1980	1983	1984	1985	1986	1987	MALE		FEMALE	
								1980	1987	1980	1987
All unemployed [1]	**8.5**	**7.1**	**9.6**	**7.5**	**7.2**	**7.0**	**6.2**	**6.9**	**6.2**	7.4	6.2
Industry: [2]											
Agriculture	10.3	11.0	16.0	13.5	13.2	12.5	10.5	9.7	10.3	15.1	11.2
Mining	4.1	6.4	17.0	10.0	9.5	13.5	10.0	6.8	10.7	4.5	5.7
Construction	18.0	14.1	18.4	14.3	13.1	13.1	11.6	14.7	12.0	8.8	7.7
Manufacturing	10.9	8.5	11.2	7.5	7.7	7.1	6.0	7.4	5.4	10.7	7.2
Transportation and public utilities	5.6	4.9	7.4	5.5	5.1	5.1	4.5	5.1	4.5	4.4	4.2
Wholesale and retail trade	8.7	7.4	10.0	8.0	7.6	7.6	6.9	6.6	6.2	8.3	7.7
Finance, insurance, and real estate	4.9	3.4	4.5	3.7	3.5	3.5	3.1	3.2	3.2	3.5	3.1
Services	7.1	5.9	7.9	6.6	6.2	6.1	5.4	6.2	5.8	5.7	5.2
Government	4.1	4.1	5.3	4.5	3.9	3.6	3.5	3.8	3.5	4.3	3.4

[1] Includes the self-employed, unpaid family workers, and persons with no previous work experience, not shown separately.
[2] Covers unemployed wage and salary workers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly.

NO. 651. UNEMPLOYMENT AND UNEMPLOYMENT RATES BY OCCUPATION, 1983 TO 1987, AND BY SEX, 1987

[**For civilian noninstitutional population 16 years old and over.** Beginning 1985, annual averages of monthly data; 1983 data estimated, see text, section 13. Rate represents unemployment as a percent of the labor force for each specified group. Based on Current Population Survey; see text, section 1, and Appendix III]

OCCUPATION	NUMBER (1,000)			UNEMPLOYMENT RATE				
	1983	1985	1987	1983	1985	1987		
						Total	Male	Female
Total [1]	**10,717**	**8,312**	**7,425**	**9.6**	**7.2**	**6.2**	**6.2**	**6.2**
anagerial and professional specialty	795	645	650	3.3	2.4	2.3	2.2	2.4
Executive, administrative, and managerial	396	329	350	3.5	2.6	2.6	2.4	2.9
Professional specialty	399	316	300	3.0	2.3	2.0	2.0	2.1
echnical sales, and administrative support	2,116	1,694	1,595	6.3	4.9	4.3	3.7	4.7
Technicians and related support	152	110	104	4.7	3.3	3.0	3.2	2.8
Sales occupations	850	702	691	6.7	5.3	4.9	3.4	6.4
Administrative support, including clerical	1,114	882	799	6.4	4.9	4.2	4.5	4.1
ervice occupations	1,697	1,386	1,259	10.9	8.8	7.7	7.5	7.8
Private household	79	69	55	7.4	6.4	5.6	7.9	5.5
Protective service	120	85	94	6.7	4.7	4.7	4.3	7.0
Service except private household and protective	1,498	1,233	1,110	11.8	9.5	8.3	8.7	8.1
ecision production, craft, and repair	1,466	1,038	875	10.6	7.2	6.1	6.0	6.4
Mechanics and repairs	344	225	191	7.6	4.8	4.1	4.1	3.5
Construction trades	709	531	470	14.2	10.1	8.6	8.5	14.4
Other precision production, craft, and repair	412	281	214	9.6	6.4	5.0	4.7	5.9
erators, fabricators, and laborers	2,955	2,140	1,820	15.5	11.3	9.4	9.3	9.9
Machine operators, assemblers, inspectors	1,411	980	777	15.4	11.1	8.9	8.0	10.0
Transportation and material moving occupations	596	422	366	12.4	8.5	7.2	7.3	6.1
Handlers, equipment cleaners, helpers, laborers	948	739	677	18.6	14.3	12.4	12.7	11.0
Construction laborers	207	186	189	25.8	21.3	19.8	19.6	(B)
rming, forestry, and fishing	407	315	268	9.9	8.3	7.1	7.0	7.6

B Base is less than 35,000. [1] Includes persons with no previous work experience and those whose last job was in the ned Forces.

ource: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly.

. 652. RANGE OF UNEMPLOYMENT MEASURES BASED ON VARYING DEFINITIONS OF UNEMPLOYMENT AND THE LABOR FORCE: 1967 TO 1987

[**In percent.** Annual averages of monthly figures. Based on Current Population Survey, see text, section 1, and Appendix III]

MEASURE	1967	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
ons unemployed 15 weeks or longer as a rcent of the civilian labor force	.6	.8	2.7	1.7	2.1	3.2	3.8	2.4	2.0	1.9	1.7
losers as a percent of the civilian labor force	1.6	2.2	4.7	3.7	3.9	5.7	5.6	3.9	3.6	3.4	3.0
mployed persons 25 years and over as a rcent of the civilian labor force	2.6	3.3	6.0	5.1	5.4	7.4	7.5	5.8	5.6	5.4	4.8
mployed full-time jobseekers as a percent of e full-time civilian labor force	3.4	4.5	8.1	6.9	7.3	9.6	9.5	7.2	6.8	6.6	5.8
l unemployed as a percent of the labor force, luding the resident Armed Forces [1]	3.7	4.8	8.3	7.0	7.5	9.5	9.5	7.4	7.1	6.9	6.1
l unemployed as a percent of the civilian or force [1]	3.8	4.9	8.5	7.1	7.6	9.7	9.6	7.5	7.2	7.0	6.2
full-time jobseekers plus 1/2 part-time jobkers plus 1/2 total on part-time for econom- reasons as a percent of the civilian labor ce less 1/2 of the part-time labor force	5.1	6.3	10.5	9.2	9.8	12.6	12.6	10.1	9.6	9.4	8.5
full-time jobseekers plus 1/2 part-time jobkers plus 1/2 total on part-time for econom- reasons plus discouraged workers as a per- t of the civilian labor force plus discouraged kers less 1/2 of the part-time labor force	8.1	7.1	11.6	10.1	10.8	14.0	13.9	11.2	10.6	10.3	9.3

urrent unemployment rate definition.

rce: U.S. Bureau of Labor Statistics, *Labor Force Statistics Derived from the Current Population Survey, 1948–1987.*

No. 653. Total Unemployed and Insured Unemployed—States: 1980 to 1987

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Total unemployment estimates based on the Current Population Survey (CPS); see text, section 1, and Appendix III. U.S. totals derived by independent population controls; therefore State data may not add to U.S. totals]

DIVISION AND STATE	TOTAL UNEMPLOYED [1]										INSURED UNEMPLOYED			
	Number (1,000)					Percent [2]					Number (1,000)		Percent [3]	
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987	1986	1987	1986	198
U.S.	7,637	8,539	8,312	8,237	7,425	7.1	7.5	7.2	7.0	6.2	2,607	2,297	2.8	2.4
N. Eng.: ME	39	34	30	30	26	7.8	6.1	5.4	5.3	4.4	12.3	10.1	2.8	2.2
NH	22	22	21	16	15	4.7	4.3	3.9	2.8	2.5	3.6	2.6	.8	.5
VT	16	14	13	14	11	6.4	5.2	4.8	4.7	3.6	5.3	4.3	2.5	1.9
MA	162	145	121	117	99	5.6	4.8	3.9	3.8	3.2	64.1	53.2	2.3	1.8
RI	34	26	25	21	20	7.2	5.3	4.9	4.0	3.8	13.0	11.5	3.1	2.7
CT	94	77	83	66	58	5.9	4.6	4.9	3.8	3.3	24.6	20.2	1.6	1.3
Mid. Atl.: NY	597	584	544	526	412	7.5	7.2	6.5	6.3	4.9	190.7	170.4	2.5	2.2
NJ	259	236	218	196	160	7.2	6.2	5.7	5.0	4.0	85.9	71.2	2.6	2.1
PA	425	499	442	386	320	7.8	9.1	8.0	6.8	5.7	164.5	132.6	3.7	2.9
E. No. Cent.: OH	426	480	455	426	367	8.4	9.4	8.9	8.1	7.0	118.0	103.8	2.8	2.4
IN	252	226	215	185	175	9.6	8.6	7.9	6.7	6.4	44.5	36.4	2.2	1.7
IL	458	512	513	461	423	8.3	9.1	9.0	8.1	7.4	143.9	121.0	3.2	2.6
MI	534	487	433	385	369	12.4	11.2	9.9	8.8	8.2	108.7	123.0	3.2	3.5
WI	167	175	171	160	152	7.2	7.3	7.2	7.0	6.1	59.0	70.7	3.1	3.7
W. No. Cent.: MN	125	141	133	118	122	5.9	6.3	6.0	5.3	5.4	44.6	38.3	2.5	2.1
IA	82	99	113	100	80	5.8	7.0	8.0	7.0	5.5	29.1	22.0	2.9	2.2
MO	167	171	159	154	164	7.2	7.2	6.4	6.1	6.3	51.4	48.3	2.6	2.4
ND	15	17	20	21	17	5.0	5.1	5.9	6.3	5.2	7.5	5.9	3.4	2.7
SD	16	15	18	18	15	4.9	4.3	5.1	4.7	4.2	3.2	2.8	1.5	1.2
NE	31	35	44	40	40	4.1	4.4	5.5	5.0	4.9	12.8	10.8	2.1	1.8
KS	53	63	62	67	62	4.5	5.2	5.0	5.4	4.9	24.5	21.9	2.6	2.4
So. Atl.: DE	22	19	17	14	10	7.7	6.2	5.3	4.3	3.2	5.7	3.4	2.0	1.2
MD	140	121	103	105	102	6.5	5.4	4.6	4.5	4.2	35.6	30.5	2.1	1.7
DC	24	29	27	25	21	7.3	9.0	8.4	7.7	6.3	8.5	7.9	2.1	1.9
VA	128	143	161	145	126	5.0	5.0	5.6	5.0	4.2	23.2	21.0	1.0	.9
WV	74	115	100	88	81	9.4	15.0	13.0	11.8	10.8	23.6	19.8	4.3	3.8
NC	187	204	167	170	146	6.6	6.7	5.4	5.3	4.5	49.3	41.0	1.9	1.8
SC	96	105	107	100	91	6.9	7.1	6.8	6.2	5.6	27.8	22.1	2.3	1.8
GA	163	166	167	178	167	6.4	6.0	6.5	5.9	5.5	43.5	40.8	1.8	1.6
FL	251	325	319	320	312	5.0	6.3	6.0	5.7	5.3	59.0	51.7	1.4	1.1
E. So. Cent.: KY	133	160	161	156	148	8.0	9.3	9.5	9.3	8.8	37.2	28.7	3.2	2.4
TN	152	190	180	185	154	7.3	8.6	8.0	8.0	6.6	44.3	39.8	2.5	2.2
AL	147	200	160	165	147	8.8	11.1	8.9	9.8	7.8	42.7	38.9	3.2	2.7
MS	79	116	115	136	117	7.5	10.8	10.3	11.7	10.2	31.4	25.5	4.0	3.2
W. So. Cent.: AR	76	93	91	94	88	7.6	8.9	8.7	8.7	8.1	27.5	26.6	3.6	3.4
LA	121	195	229	261	234	6.7	10.0	11.5	13.1	12.0	81.1	60.7	5.4	4.2
OK	66	109	112	131	115	4.8	7.0	7.1	8.2	7.4	35.6	34.5	3.3	3.3
TX	352	469	564	726	697	5.2	5.9	7.0	8.9	8.4	163.7	147.2	2.6	2.3
Mt.: MT	20	30	31	33	30	6.1	7.4	7.7	8.1	7.4	10.1	8.5	4.0	3.4
ID	34	33	37	41	38	7.9	7.2	7.9	8.7	8.0	15.1	13.0	4.8	4.1
WY	9	16	18	22	21	4.0	6.3	7.1	9.0	8.6	7.6	5.7	3.9	3.1
CO	88	97	101	126	130	5.9	5.6	5.9	7.4	7.7	32.9	32.1	2.4	2.4
NM	42	47	57	62	61	7.5	7.5	8.8	9.2	8.9	16.5	13.7	3.5	2.9
AZ	83	71	96	110	101	6.7	5.0	6.5	6.9	6.2	24.7	25.2	2.0	1.9
UT	40	48	43	45	48	6.3	6.5	5.9	6.0	6.4	13.7	12.7	2.5	2.3
NV	27	39	41	32	35	6.2	7.8	8.0	6.0	6.3	12.0	11.6	2.8	2.6
Pac.: WA	157	184	171	179	171	7.9	9.5	8.1	8.2	7.6	84.7	80.1	4.1	3.8
OR	106	125	117	114	86	8.3	9.4	8.8	8.5	6.2	42.1	35.8	4.3	3.6
CA	790	961	931	892	792	6.8	7.8	7.2	6.7	5.8	391.7	338.5	3.8	3.0
AK	18	25	24	28	27	9.7	10.0	9.7	10.8	10.8	16.7	13.3	8.0	6.7
HI	21	27	27	24	20	4.9	5.6	5.6	4.8	3.8	8.6	7.1	2.1	1.7

[1] Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment,* annual; and unpublished data. [2] Total unemployment as percent of civilian labor force. [3] Insured unemployment as percent of average covered employment in the previous year.

Source: Except as noted, U.S. Employment and Training Administration, *Employment and Training Report of the Secretary,* annual.

No. 654. U.S. Employment Service Job Openings and Placements, and Index of Help-Wanted Advertising: 1970 to 1987

[In thousands, except as indicated. Openings and placements 1970–1983, for years ending Sept. 30; beginning 1985, for years ending June 30]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	198
Job openings: [1] Received	6,130	7,989	8,122	7,548	6,150	6,494	[2] 5,144	7,529	6,988	7,2
Average per month	511	657	677	629	513	541	[2] 572	627	581	6
Nonagricultural placements [1]	4,604	4,374	5,610	3,509	2,804	3,012	[2] 2,297	3,270	3,247	4,
Index of help-wanted advertising in newspapers [3] (1967 = 100)	93	80	129	118	86	95	130	136	138	1

NA Not available. [1] As reported by State employment agencies. Beginning 1985, all placements. [2] Data for nine months from October 1, 1983 through June 30, 1984. [3] Source: The Conference Board, New York, NY, *The Statistical Bulletin.* Further reproduction prohibited without permission. Index based on number of advertisements in classified sections of 51 newspapers each in a major employment area.

Source: Except as noted, U.S. Employment and Training Administration, unpublished data.

No. 655. Nonagricultural Establishments—Employees, Hours, and Earnings, by Industry: 1960 to 1987

[Based on data from establishment reports. Includes all full- and part-time employees who worked during, or received pay for, any part of the pay period reported. Excludes proprietors, the self employed, farmworkers, unpaid family workers, private household workers, and Armed Forces. Establishment data shown here conform to industry definitions in the 1972 Standard Industrial Classification Manual and are adjusted to March 1987 employment benchmarks; consequently, may not be comparable with previously published data. Based on the Current Employment Statistics Program; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 127-141 and D 803, 878, 881, 884, and 890]

ITEM AND YEAR	Total	NONAGRICULTURAL ESTABLISHMENTS									GROUPED INDUSTRIES	
		Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government	Goods-related ¹	Service-related and all other
EMPLOYEES (1,000)												
1960	54,189	712	2,926	16,796	4,004	3,143	8,248	2,629	7,378	8,353	20,434	33,755
1965	60,765	632	3,232	18,062	4,036	3,466	9,250	2,977	9,036	10,074	21,926	38,839
1970	70,880	623	3,588	19,367	4,515	3,993	11,047	3,645	11,548	12,554	23,578	47,302
1975	76,945	752	3,525	18,323	4,542	4,415	12,645	4,165	13,892	14,686	22,600	54,345
1980	90,406	1,027	4,346	20,285	5,146	5,275	15,035	5,160	17,890	16,241	25,658	64,748
1982	89,566	1,128	3,905	18,781	5,082	5,278	15,179	5,341	19,036	15,837	23,813	65,752
1983	90,200	952	3,948	18,434	4,954	5,268	15,613	5,468	19,694	15,870	23,334	66,866
1984	94,496	966	4,383	19,378	5,159	5,555	16,545	5,689	20,797	16,024	24,727	69,769
1985	97,519	927	4,673	19,260	5,238	5,717	17,356	5,955	22,000	16,394	24,859	72,660
1986	99,525	777	4,816	18,965	5,255	5,753	17,930	6,283	23,053	16,693	24,558	74,967
1987	102,310	721	4,998	19,065	5,385	5,872	18,500	6,549	24,196	17,015	24,784	77,525
PERCENT DISTRIBUTION												
960	100.0	1.3	5.4	31.0	7.4	5.8	15.2	4.9	13.6	15.4	37.7	62.3
965	100.0	1.0	5.3	29.7	6.7	5.7	15.2	4.9	14.9	16.6	36.1	63.9
970	100.0	.9	5.1	27.3	6.4	5.6	15.6	5.1	16.3	17.7	33.3	66.7
975	100.0	1.0	4.6	23.8	5.9	5.7	16.4	5.4	18.0	19.1	29.4	70.6
980	100.0	1.1	4.8	22.4	5.7	5.8	16.6	5.7	19.8	18.0	28.4	71.6
982	100.0	1.3	4.4	21.0	5.7	5.9	16.9	6.0	21.3	17.7	26.6	73.4
983	100.0	1.1	4.4	20.4	5.5	5.8	17.3	6.1	21.8	17.6	25.9	74.1
984	100.0	1.0	4.6	20.5	5.5	5.9	17.5	6.0	22.0	17.0	26.2	73.8
985	100.0	1.0	4.8	19.7	5.4	5.9	17.8	6.1	22.6	16.8	25.5	74.5
986	100.0	.8	4.8	19.1	5.3	5.8	18.0	6.3	23.2	16.8	24.7	75.3
987	100.0	.7	4.9	18.6	5.3	5.7	18.1	6.4	23.6	16.6	24.2	75.8
VERAGE WEEKLY HOURS ²												
960	38.6	40.4	36.7	39.7	(NA)	40.5	38.0	37.2	(NA)	(NA)	(NA)	(NA)
965	38.8	42.3	37.4	41.2	41.3	40.8	36.6	37.2	35.9			
970	37.1	42.7	37.3	39.8	40.5	39.9	33.8	36.7	34.4			
975	36.1	41.9	36.4	39.5	39.7	38.7	32.4	36.5	33.5			
980	35.3	43.3	37.0	39.7	39.6	38.5	30.2	36.2	32.6			
982	34.8	42.7	36.7	38.9	39.0	38.3	29.9	36.2	32.6			
983	35.0	42.5	37.1	40.1	39.0	38.5	29.8	36.2	32.7			
984	35.2	43.3	37.8	40.7	39.4	38.5	29.8	36.5	32.6			
985	34.9	43.4	37.7	40.5	39.5	38.4	29.4	36.4	32.5			
986	34.8	42.2	37.4	40.7	39.2	38.3	29.2	36.4	32.5			
987	34.8	42.4	37.8	41.0	39.2	38.1	29.2	36.3	32.5			
VERAGE HOURLY EARNINGS												
60	$2.09	$2.60	$3.07	$2.26	(NA)	$2.24	$1.52	$2.02	(NA)	(NA)	(NA)	(NA)
65	2.46	2.92	3.70	2.61	$3.03	2.61	1.82	2.39	$2.05			
70	3.23	3.85	5.24	3.35	3.85	3.44	2.44	3.07	2.81			
75	4.53	5.95	7.31	4.83	5.88	4.73	3.36	4.06	4.02			
80	6.66	9.17	9.94	7.27	8.87	6.96	4.88	5.79	5.85			
82	7.68	10.77	11.63	8.49	10.32	8.09	5.48	6.78	6.92			
83	8.02	11.28	11.94	8.83	10.79	8.55	5.74	7.29	7.31			
84	8.32	11.63	12.13	9.19	11.12	8.89	5.85	7.63	7.59			
85	8.57	11.98	12.32	9.54	11.40	9.16	5.94	7.94	7.90			
86	8.76	12.46	12.48	9.73	11.70	9.35	6.03	8.36	8.18			
87	8.98	12.52	12.69	9.91	12.03	9.59	6.11	8.73	8.48			
ERAGE WEEKLY EARNINGS ²												
0	$81	$105	$113	$90	(NA)	$91	$58	$75	(NA)	(NA)	(NA)	(NA)
5	95	124	139	108	$125	106	67	89	$74			
0	120	164	195	133	156	137	82	113	97			
5	164	249	266	191	233	183	109	148	135			
0	235	397	368	289	351	268	147	210	191			
2	267	460	427	330	402	310	164	245	226			
3	281	279	443	354	421	329	171	264	239			
4	293	504	459	374	438	342	174	279	247			
5	299	520	464	386	450	352	175	289	257			
6	305	526	467	396	459	358	176	304	266			
7	313	531	480	406	472	365	178	317	276			

A Not available. ¹ Mining, construction, and manufacturing. ² See headnote, table 661.

urce: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 656. Employees in Nonagricultural Establishments—States: 1975 to 1987

[In thousands. For coverage, see headnote, table 655. National totals differ from the sum of the State figures because of differing benchmarks among States and differing industrial and geographic stratification. Based on 1972 *Standard Industrial Classification Manual*, see text, section 13]

DIVISION AND STATE	1975	1980	1985	1986	1987							
					Total [1]	Construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services	Government
U.S.	**76,945**	**90,406**	**97,519**	**99,525**	**102,310**	**4,998**	**19,065**	**5,385**	**24,381**	**6,549**	**24,196**	**17,015**
N. Eng	**4,657**	**5,481**	**6,087**	6,233	6,395	317	1,369	264	1,502	461	1,628	850
ME	357	418	456	477	501	31	104	20	124	25	108	89
NH	293	385	486	490	514	37	116	17	130	32	114	65
VT	162	200	225	234	244	16	49	10	56	12	60	38
MA	2,273	2,652	2,926	2,985	3,046	137	597	129	719	217	847	398
RI	349	398	429	443	451	19	117	16	103	26	113	58
CT	1,223	1,427	1,562	1,604	1,639	77	384	72	369	150	385	202
Mid. Atl	**13,966**	**15,021**	**15,895**	**16,186**	**16,557**	**719**	**2,940**	**886**	**3,683**	**1,310**	**4,350**	**2,628**
NY	6,830	7,207	7,751	7,904	8,053	330	1,222	405	1,699	791	2,201	1,400
NJ	2,700	3,060	3,414	3,491	3,589	168	676	236	861	227	874	542
PA	4,436	4,753	4,730	4,791	4,915	222	1,042	245	1,123	292	1,274	686
E. No. Cent	**15,190**	**16,728**	**16,841**	**17,165**	**17,571**	**656**	**4,135**	**866**	**4,216**	**1,008**	**3,929**	[illegible]
OH	4,016	4,367	4,373	4,471	4,579	177	1,095	207	1,097	243	1,051	696
IN	1,942	2,130	2,169	2,222	2,304	100	616	119	547	115	450	348
IL	4,419	4,850	4,755	4,791	4,896	191	932	295	1,222	358	1,155	719
MI	3,137	3,443	3,562	3,657	3,713	121	966	150	855	179	818	614
WI	1,677	1,938	1,983	2,024	2,080	67	526	94	495	112	455	327
W. No. Cent	**5,985**	**6,905**	**7,153**	**7,248**	**7,418**	**306**	**1,316**	**429**	**1,863**	**450**	**1,696**	**1,324**
MN	1,474	1,770	1,865	1,893	1,960	82	375	100	488	120	474	314
IA	999	1,110	1,074	1,074	1,107	35	213	53	281	65	246	211
MO	1,741	1,970	2,095	2,143	2,185	100	420	143	538	135	503	342
ND	204	245	252	250	252	11	16	16	67	13	61	65
SD	209	238	249	252	255	10	29	12	67	14	61	59
NE	558	628	651	653	659	24	88	43	170	48	150	136
KS	801	945	968	985	1,000	45	176	61	251	56	201	198
So. Atl	**12,104**	**14,695**	**16,789**	**17,404**	**18,133**	**1,129**	**3,136**	**940**	**4,363**	**1,062**	**4,158**	[illegible]
DE	230	259	293	303	320	20	70	14	71	27	73	46
MD	1,479	1,712	1,888	1,952	2,018	150	207	93	517	124	535	390
DC [2]	577	616	629	640	655	16	16	25	63	37	230	268
VA	1,779	2,157	2,455	2,556	2,678	182	429	142	610	144	626	[illegible]
WV	575	646	597	596	598	23	86	36	139	24	125	128
NC	1,980	2,360	2,651	2,744	2,856	159	855	141	642	127	486	441
SC	983	1,189	1,296	1,338	1,393	87	373	59	310	65	242	[illegible]
GA	1,756	2,159	2,570	2,672	2,763	152	569	175	692	155	536	478
FL	2,746	3,576	4,410	4,599	4,853	341	530	256	1,318	360	1,305	734
E. So. Cent	**4,411**	**5,143**	**5,384**	**5,515**	**5,687**	**263**	**1,351**	**285**	**1,306**	**272**	**1,094**	**1,053**
KY	1,058	1,210	1,250	1,274	1,313	59	260	68	315	61	274	236
TN	1,506	1,747	1,868	1,930	2,009	97	495	103	474	102	407	324
AL	1,155	1,356	1,427	1,463	1,502	74	368	72	332	71	275	300
MS	692	829	839	848	864	34	228	42	166	39	136	192
W. So. Cent	**7,236**	**9,310**	**10,217**	**10,021**	**9,919**	**494**	**1,486**	**601**	**2,463**	**624**	**2,135**	**1,850**
AR	624	742	797	814	835	34	220	51	189	38	153	146
LA	1,250	1,579	1,581	1,519	1,483	80	164	104	363	85	320	313
OK	900	1,138	1,165	1,124	1,105	34	154	63	269	59	232	248
TX	4,463	5,851	6,663	6,564	6,498	346	928	384	1,642	443	1,430	1,143
Mt	**3,423**	**4,502**	**5,111**	**5,176**	**5,239**	**291**	**608**	**300**	**1,269**	**317**	**1,332**	**1,032**
MT	238	280	279	275	274	9	21	20	73	13	64	69
ID	273	330	336	328	334	14	54	18	85	19	68	73
WY	146	210	207	196	180	10	8	13	40	8	32	51
CO	964	1,251	1,419	1,408	1,400	69	184	84	350	99	332	262
NM	370	465	521	528	530	32	38	29	128	27	123	139
AZ	729	1,014	1,279	1,338	1,384	102	187	72	340	94	341	233
UT	440	551	624	634	639	27	92	38	153	34	147	141
NV	263	400	446	468	489	30	23	28	101	23	222	64
Pac	**10,415**	**13,076**	**14,376**	**14,746**	**15,280**	**735**	**2,662**	**794**	**3,649**	**1,027**	**3,728**	**2,611**
WA	1,226	1,608	1,710	1,770	1,839	87	317	98	453	107	418	[illegible]
OR	837	1,045	1,030	1,059	1,094	35	205	58	276	72	242	205
CA	7,847	9,849	10,979	11,258	11,658	582	2,105	583	2,755	804	2,900	[illegible]
AK	162	169	231	221	210	11	14	18	41	11	42	[illegible]
HI	343	405	426	439	459	21	22	37	123	34	126	[illegible]

[1] Includes mining, not shown separately.

[2] Represents Washington, DC metropolitan area.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. Compiled from data supplied by cooperating State agencies.

No. 657. Nonagricultural Industries—Number of Employees, and Number and Earnings of Production Workers: 1980 to 1987

Annual averages of monthly figures. Covers all full- and part-time employees who worked during, or received pay for, any part of the pay period including the 12th of the month. For mining and manufacturing, data refer to production and related workers; for construction, to employees engaged in actual construction work; and for other industries, to nonsupervisory employees and working supervisors. See also headnote, table 655. See *Historical Statistics, Colonial Times to 1970*, series D 127-151, D 802-810, and D 877-892, for related data]

SIC[1] code	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1985	1987	1980	1985	1987	1980	1985	1987
(X)	**Total**	**90,406**	**97,519**	**102,310**	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	**Private sector**[2]	**74,166**	**81,125**	**85,295**	**60,331**	**65,586**	**69,039**	**6.66**	**8.57**	**8.98**
(B)	**Mining**	**1,027**	**927**	**721**	**762**	**658**	**515**	**9.17**	**11.98**	**12.52**
10	Metal mining	98	46	43	74	34	33	10.26	13.38	12.91
11, 12	Coal mining	246	187	163	204	153	133	[3] 10.86	[3] 15.24	[3] 15.76
13	Oil and gas extraction	560	583	405	389	387	264	8.59	11.06	11.50
14	Nonmetallic minerals, except fuels	123	110	110	96	84	84	7.52	10.16	10.61
(C)	**Construction**	**4,346**	**4,673**	**4,998**	**3,421**	**3,859**	**3,902**	**9.94**	**12.32**	**12.69**
15	General building contractors	1,173	1,253	1,326	900	935	968	9.22	11.23	11.71
16	Heavy construction contractors	927	793	768	746	652	643	9.20	12.08	12.07
17	Special trade contractors	2,246	2,628	2,904	1,776	2,072	2,291	10.65	12.90	13.31
(D)	**Manufacturing**	**20,285**	**19,260**	**19,065**	**14,214**	**13,092**	**12,905**	**7.27**	**9.54**	**9.91**
(X)	**Durable goods**	**12,187**	**11,490**	**11,218**	**8,442**	**7,644**	**7,453**	**7.75**	**10.10**	**10.43**
24	Lumber and wood products, except furniture[4]	691	697	740	578	584	619	6.55	8.22	8.40
241	Logging camps and logging contractors	88	84	85	71	67	71	8.64	10.92	10.69
242	Sawmills and planing mills	215	195	201	190	172	177	6.70	8.52	8.57
243	Millwork, plywood, and structural members	200	228	260	164	190	215	6.41	8.06	8.33
244	Wood containers	43	41	42	37	35	36	4.95	5.81	6.16
2451	Mobile homes	46	51	47	36	41	38	6.08	7.34	7.96
25	Furniture and fixtures[4]	466	494	518	376	394	415	5.49	7.17	7.67
251	Household furniture	301	295	308	253	247	260	5.12	6.56	7.07
252	Office furniture	50	66	67	40	50	51	5.91	8.06	8.68
254	Partitions and fixtures	63	69	75	47	51	54	6.68	8.69	9.14
32	Stone, clay, and glass products[4]	662	588	582	513	451	450	7.50	9.84	10.25
321	Flat glass	18	16	15	14	12	12	9.65	13.79	14.48
322	Glass and glassware, pressed[5]	124	91	87	105	77	75	7.97	10.78	11.39
324	Cement, hydraulic	31	23	21	25	18	16	10.55	13.27	13.45
325	Structural clay products	46	38	38	34	29	30	6.14	8.01	8.50
326	Pottery and related products	46	37	37	38	29	29	6.26	8.67	8.90
327	Concrete, gypsum, and plaster products	204	206	211	157	160	164	7.45	9.60	10.01
33	Primary metal industries[4]	1,142	808	749	878	612	564	9.77	11.67	11.94
331	Blast furnaces and basic steel products	512	303	269	396	232	204	11.39	13.33	13.78
332	Iron and steel foundries	209	141	130	167	112	103	8.20	10.51	10.76
333	Primary nonferrous metals	71	45	40	53	33	28	10.63	13.74	12.98
335	Nonferrous rolling and drawing	211	188	182	151	133	130	8.81	11.05	11.41
336	Nonferrous foundries	90	87	86	72	70	69	7.30	9.32	9.53
34	Fabricated metal products[4]	1,613	1,465	1,407	1,195	1,084	1,044	7.45	9.70	10.00
341	Metal cans and shipping containers	75	58	56	63	50	48	9.84	13.10	13.24
342	Cutlery, hand tools, and hardware	164	142	133	125	105	98	7.02	9.71	9.90
343	Plumbing and heating, exc. electric	70	63	61	50	45	43	6.62	8.67	9.21
344	Fabricated structural metal products	513	443	427	355	309	303	7.26	9.00	9.29
345	Screw machine products, bolts, etc	109	96	92	84	74	71	6.96	9.11	9.76
346	Metal forgings and stampings	264	249	234	207	200	186	8.56	11.62	11.80
35	Machinery, except electrical[4]	2,494	2,174	2,023	1,602	1,307	1,199	8.00	10.29	10.70
351	Engines and turbines	135	105	89	87	66	57	9.73	13.02	13.39
352	Farm and garden machinery	169	98	94	116	66	63	8.78	9.93	9.90
353	Construction and related machinery	389	253	213	255	156	127	8.60	10.91	11.00
354	Metalworking machinery	373	310	288	273	222	206	8.18	10.59	11.11
355	Special industry machinery	207	168	162	133	100	96	7.51	10.18	10.68
356	General industrial machinery	324	268	247	212	171	158	7.98	10.06	10.37
357	Office and computing machines	432	514	485	186	189	162	6.74	9.32	10.27
358	Refrigeration and service industry	174	172	176	120	120	126	7.23	10.09	10.41
36	Electric and electronic equipment[4]	2,091	2,197	2,084	1,328	1,300	1,222	6.94	9.46	9.88
361	Electric distributing equipment	123	113	106	86	81	78	6.96	8.83	9.23
362	Electrical industrial apparatus	240	196	182	169	138	125	7.12	9.52	9.81
363	Household appliances	163	136	136	129	106	108	6.95	9.23	9.83
364	Electric lighting and wiring equipment	209	198	192	156	144	139	6.42	8.67	9.14
365	Radio and TV receiving equipment	109	84	82	79	57	56	6.42	9.33	9.22
366	Communication equipment	541	653	608	267	291	255	7.93	11.25	11.73
367	Electronic components and access	554	663	627	334	375	357	6.05	8.30	8.90
37	Transportation equipment[4]	1,900	1,980	2,048	1,233	1,257	1,291	9.35	12.71	12.95
371	Motor vehicles and equipment	789	884	865	575	685	672	9.85	13.39	13.55
372	Aircraft and parts	652	636	701	355	304	350	9.28	12.62	13.16
373	Ship and boat building and repairs	221	187	187	176	140	141	8.22	10.51	10.35
374	Railroad equipment	71	33	27	53	23	19	9.93	12.53	12.07

Footnotes at end of table.

No. 657. Nonagricultural Industries—Number of Employees, and Number and Earnings of Production Workers: 1980 to 1987—Continued

[See headnote, p. 399]

SIC[1] code	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1985	1987	1980	1985	1987	1980	1985	1987
38	Instruments and related products	711	720	696	426	391	379	6.80	9.17	9.71
381	Engineering and scientific instruments	77	84	83	37	37	36	7.12	9.82	10.84
382	Measuring and controlling devices	245	254	236	154	141	133	6.85	8.94	9.57
383	Optical instruments and lenses	33	34	34	18	17	15	7.32	10.17	10.52
384	Medical instruments and supplies	156	174	187	101	104	112	5.80	8.15	8.65
385	Ophthalmic goods	44	40	37	31	26	25	5.30	6.94	7.39
386	Photographic equipment and supplies	135	123	107	67	57	46	8.83	12.05	13.16
387	Watches, clocks, and watchcases	22	12	11	17	9	8	5.24	6.87	7.15
39	Misc. manufacturing industries[4]	418	367	370	313	264	270	5.46	7.30	7.75
391	Jewelry, silverware, plated ware	56	55	54	40	37	37	5.76	7.78	8.34
394	Toys and sporting goods	117	95	97	88	70	73	5.01	6.65	7.13
395	Pens, pencils, office and art supplies	37	33	33	27	22	23	5.58	7.70	7.89
396	Costume jewelry and notions	51	41	41	41	31	32	4.71	5.91	6.30
(x)	**Nondurable goods**	**8,098**	**7,770**	**7,847**	**5,772**	**5,449**	**5,543**	**6.55**	**8.71**	**9.18**
20	Food and kindred products[4]	1,708	1,603	1,624	1,175	1,118	1,149	6.85	8.57	8.94
201	Meat products	358	362	385	296	305	325	6.99	7.23	7.46
202	Dairy products	175	163	163	96	96	99	6.86	9.17	9.83
203	Preserved fruits and vegetables	256	236	242	210	194	199	5.94	7.81	8.27
204	Grain mill products	144	125	126	99	85	87	7.67	10.38	10.83
205	Bakery products	225	210	209	131	126	127	7.21	9.69	10.04
206	Sugar and confectionery products	106	96	94	79	75	74	6.57	8.63	9.16
207	Fats and oils	44	35	34	32	26	25	7.03	8.80	9.27
208	Beverages	234	214	203	105	92	87	8.12	11.38	11.96
21	Tobacco manufactures	69	64	54	54	48	41	7.74	11.96	14.03
211	Cigarettes	46	44	40	35	32	30	9.23	14.71	16.78
22	Textile mill products[4]	848	702	725	737	607	629	5.07	6.70	7.17
221	Weaving mills, cotton	150	106	101	135	95	91	5.25	7.01	7.50
222	Weaving mills, synthetic	116	90	87	104	80	78	5.30	7.15	7.71
223	Weaving and finishing mills, wool	19	17	18	16	15	15	5.21	7.07	7.66
224	Narrow fabric mills	23	22	23	20	19	20	4.63	6.30	6.72
225	Knitting mills	220	198	213	191	172	187	4.76	6.15	6.56
226	Textile finishing, except wool	74	59	60	62	49	51	5.39	7.12	7.47
227	Floor covering mills	54	54	56	44	44	47	5.20	6.92	7.51
228	Yarn and thread mills	125	101	111	113	90	100	4.76	6.26	6.80
23	Apparel and other textile products[4]	1,264	1,121	1,100	1,079	945	924	4.56	5.73	5.90
231	Men's and boys' suits and coats	77	63	58	67	55	50	5.34	6.65	6.70
232	Men's and boys' furnishings	362	312	307	310	270	265	4.23	5.27	5.46
233	Women's and misses outerwear	417	362	353	360	302	294	4.61	5.56	5.70
234	Undergarments[6]	90	77	73	76	65	60	4.15	5.29	5.50
236	Children's outerwear	64	61	59	55	51	50	4.20	5.07	5.28
238	Misc. apparel, accessories	56	44	42	48	36	35	4.48	5.50	5.71
26	Paper and allied products	693	678	679	523	512	516	7.84	10.83	11.43
261, 2, 6	Paper and pulp mills	203	197	191	152	149	145	9.15	13.14	14.00
263	Paperboard mills	65	55	54	51	42	41	9.28	13.60	14.30
264	Misc. converted paper products	220	229	232	163	168	172	6.89	9.33	9.90
265	Paperboard containers and boxes	205	197	202	157	152	158	6.94	9.24	9.76
27	Printing and publishing[4]	1,252	1,428	1,507	699	789	842	7.53	9.71	10.28
271	Newspapers	420	451	471	164	169	173	7.72	9.77	10.22
272	Periodicals	90	113	121	16	29	45	7.16	10.20	10.72
273	Books	101	107	111	52	54	59	6.76	8.70	9.35
275	Commercial printing	414	493	528	307	359	382	7.85	10.06	10.56
278	Blankbooks and bookbinding	62	70	73	51	57	58	5.78	7.63	8.17
28	Chemicals and allied products[4]	1,107	1,044	1,026	626	578	576	8.30	11.56	12.37
281	Industrial inorganic chemicals	161	142	131	87	72	67	9.07	12.80	13.56
282	Plastics materials and synthetics	205	172	166	137	114	110	8.21	11.71	12.59
283	Drugs	196	206	215	97	95	99	7.69	10.75	11.62
284	Soap, cleaners, and toilet goods	141	148	154	86	94	98	7.67	10.28	10.90
285	Paints and allied products	65	64	62	33	31	31	7.39	10.08	10.84
287	Agricultural chemicals	72	59	52	45	37	32	8.12	11.03	11.91
29	Petroleum and coal products[4]	198	179	165	125	109	108	10.10	14.06	14.59
291	Petroleum refining	155	141	127	93	82	81	10.94	15.25	15.75
295	Paving and roofing materials	31	26	26	24	20	20	7.69	10.56	11.42
30	Rubber and misc. plastics products	727	786	823	559	607	639	6.52	8.54	8.91
301	Tires and inner tubes	115	94	86	81	65	62	9.74	13.21	14.07
31	Leather and leather products[4]	233	165	144	197	137	120	4.58	5.83	6.08
311	Leather tanning and finishing	19	15	14	16	12	12	6.10	7.62	8.14
314	Footwear except rubber	144	99	85	123	84	73	4.42	5.53	5.76
317	Handbags, personal leather goods	30	21	17	25	17	13	4.33	5.61	5.80

See footnotes at end of table.

No. 657. Nonagricultural Industries—Number of Employees, and Number and Earnings of Production Workers, 1980 to 1987—Continued

[See headnote, p. 399]

SIC[1] code	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1985	1987	1980	1985	1987	1980	1985	1987
(E)	**Transp. and public utilities** [4]	**5,146**	**5,238**	**5,385**	**4,293**	**4,339**	**4,464**	**8.87**	**11.40**	**12.03**
40	Railroad transportation	532	350	309	(7)	(7)	(7)	(7)	(7)	(7)
4011	Class I railroads [8]	482	323	271	(7)	(7)	(7)	[9] 9.92	[9] 13.64	[9] 14.29
41	Local and interurban passenger transit	265	278	295	244	257	272	6.34	7.68	8.28
42	Trucking and warehousing	1,280	1,363	1,464	1,121	1,187	1,274	9.13	10.52	10.80
45	Air transportation	453	552	604	(7)	(7)	(7)	(7)	(7)	(7)
46	Pipelines, except natural gas	21	19	18	15	13	13	10.50	15.26	15.36
47	Transportation services	198	276	299	(7)	(7)	(7)	(7)	(7)	(7)
48	Communication [4]	1,357	1,320	1,293	1,014	1,006	980	8.50	11.75	12.44
481	Telephone communication	1,072	921	905	779	687	669	8.72	12.45	13.19
483	Radio and television broadcasting	200	238	236	160	194	194	7.44	10.26	10.81
49	Electric, gas, and sanitary services [4]	827	915	925	677	729	734	8.90	12.83	13.79
491	Electric services	391	448	446	316	349	341	9.12	12.94	13.85
492	Gas production and distribution	168	175	166	136	137	131	8.27	11.76	13.02
493	Combination utility services	197	203	205	162	166	169	9.64	14.93	16.17
495	Sanitary services	48	64	82	43	56	71	7.04	9.47	10.19
(F)	**Wholesale trade**	**5,275**	**5,717**	**5,872**	**4,312**	**4,598**	**4,704**	**6.96**	**9.16**	**9.59**
(G)	**Retail trade** [4]	**15,035**	**17,356**	**18,509**	**13,500**	**15,457**	**16,454**	**4.88**	**5.94**	**6.11**
53	General merchandise stores	2,245	2,324	2,432	2,090	2,174	2,260	4.77	5.92	6.48
54	Food stores	2,384	2,775	2,957	2,202	2,567	2,724	6.24	7.35	6.95
56	Apparel and accessory stores	957	1,041	1,108	820	875	939	4.30	5.25	5.56
57	Furniture and home furnishings stores	606	735	800	502	608	663	5.53	7.13	7.49
58	Eating and drinking places	4,626	5,709	6,127	4,256	5,194	5,578	3.69	4.33	4.42
(H)	**Finance, insurance, real estate**	**5,160**	**5,955**	**6,549**	**3,907**	**4,415**	**4,807**	**5.79**	**7.94**	**8.73**
60	Banking	1,571	1,706	1,734	1,210	1,251	1,250	4.94	6.84	7.51
61	Credit agencies other than banks	570	750	891	431	570	667	5.12	7.21	7.93
62	Security, commodities brokers, services	227	355	446	(7)	(7)	(7)	(7)	(7)	(7)
63	Insurance carriers	1,224	1,292	1,418	854	883	959	6.29	8.61	9.56
64	Insurance agents, brokers, services	452	542	604	(7)	(7)	(7)	(7)	(7)	(7)
65	Real estate	981	1,132	1,242	(7)	(7)	(7)	(7)	(7)	(7)
66, 67	Other finance, insurance, real estate	135	180	215	(7)	(7)	(7)	(7)	(7)	(7)
(I)	**Services** [4]	**17,890**	**22,000**	**24,196**	**15,921**	**19,368**	**21,198**	**5.85**	**7.90**	**8.48**
70	Hotels and other lodging places	1,076	1,336	1,481	(7)	(7)	(7)	(7)	(7)	(7)
701	Hotels, motels, and tourist courts	1,038	1,290	1,434	954	1,158	1,279	4.45	5.83	6.16
72	Personal services [4]	901	1,056	1,147	(7)	(7)	(7)	(7)	(7)	(7)
721	Laundry, cleaning, garment services	356	379	404	318	338	360	4.47	5.79	6.16
723	Beauty shops	284	334	353	264	302	318	4.26	6.09	6.38
73	Business services [4]	3,092	4,457	5,172	2,698	3,863	4,429	6.02	8.19	8.73
731	Advertising	153	196	212	116	145	158	8.07	10.74	11.88
736	Personnel supply services [4]	563	916	1,196	(7)	(7)	(7)	(7)	(7)	(7)
7361	Employment agencies	(7)	160	181	(7)	(7)	(7)	(7)	(7)	(7)
7362	Temporary help supply services	(7)	708	939	(7)	(7)	(7)	(7)	(7)	(7)
737	Computer, data process, services [4]	304	542	647	254	447	508	7.16	10.98	12.20
7372	Computer programming and software	(7)	195	243	(7)	(7)	(7)	(7)	(7)	(7)
7374	Data processing services	(7)	258	296	(7)	(7)	(7)	(7)	(7)	(7)
75	Auto repair, services, garages	571	731	796	488	614	664	6.10	7.40	7.80
753	Automobile repair shops	350	446	473	297	372	391	6.52	7.99	8.42
78	Motion pictures	217	225	234	191	190	197	7.88	12.12	11.92
783	Motion picture theaters	124	108	106	(7)	(7)	(7)	(7)	(7)	(7)
79	Amusement, recreation services	764	840	894	692	740	787	5.52	6.94	6.95
80	Health services [4]	5,278	6,299	6,828	4,712	5,607	6,072	5.68	8.06	8.70
805	Nursing, personal care facilities	997	1,199	1,288	898	1,065	1,164	4.17	5.61	6.00
806	Hospitals	2,750	2,997	3,154	2,522	2,732	2,877	6.06	9.00	9.84
808	Outpatient care facilities	[10] 160	216	264	(7)	(7)	(7)	(7)	(7)	(7)
81	Legal services	498	694	797	427	589	669	7.35	10.52	11.99
82	Educational services	1,138	1,362	1,436	(7)	(7)	(7)	(7)	(7)	(7)
83	Social services	1,134	1,354	1,493	(7)	(7)	(7)	(7)	(7)	(7)
86	Membership organizations	1,539	1,520	1,560	(7)	(7)	(7)	(7)	(7)	(7)
(J)	**Government**	**16,241**	**16,394**	**17,615**	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	Federal government	2,866	2,875	2,943	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	State government	3,610	3,832	3,963	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	Local government	9,765	9,687	10,109	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. [1] Standard Industrial Classification, see text, section 13. [2] Excludes government. [3] 11-month average. [4] Includes industries not shown separately. [5] Includes blown. [6] Women's and children's. [7] Included in totals; not available separately. [8] For changes in "Class I" classification, see text, section 21. [9] Includes all employees except executives, officials, and staff assistants who received pay during the month. [10] 1982 data.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 658. Indexes of Output per Hour for All Employees—Selected Industries: 1975 to 1986

[See text, section 13. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series W 14, 17, and 19, W 30-54, and W 62-65]

SIC [1] code	INDUSTRY	INDEXES (1977=100)								AVERAGE ANNUAL PERCENT CHANGE [2]	
		1975	1980	1981	1982	1983	1984	1985	1986, prel.	1975–1986	1981–1986
(B)	**Mining:**										
1011	Iron (usable ore)	117.8	123.2	130.6	98.2	138.6	171.7	187.9	176.1	4.6	11.0
1021	Copper (recoverable metal)	77.2	91.6	97.7	116.2	130.9	153.9	193.1	236.5	8.5	19.1
111, 121	Coal	105.3	112.5	122.2	119.2	136.1	151.3	154.0	166.7	4.8	7.2
14	Nonmetallic minerals [3]	90.6	96.5	94.7	89.3	98.2	105.5	107.6	106.7	.9	3.8
(D)	**Manufacturing:**										
2011, 2013	Red meat products	84.4	107.0	107.9	112.3	115.9	117.0	119.5	122.1	3.0	2.4
2026	Fluid milk	95.5	123.9	128.0	155.3	142.4	147.7	152.3	(NA)	[4] 5.2	[4] 4.4
203	Preserved fruits, vegetables	93.7	100.8	99.2	107.9	110.4	113.1	112.6	(NA)	[4] 1.6	[4] 3.1
204	Grain mill products	87.1	105.3	110.9	121.0	125.5	132.8	144.9	(NA)	[4] 4.8	[4] 6.5
205	Bakery products	93.4	93.7	96.2	103.3	106.9	106.8	108.5	(NA)	[4] 1.5	[4] 2.8
2086	Bottled, canned soft drinks	87.2	109.8	114.3	118.3	127.0	138.3	145.3	149.0	4.8	8.0
2111, 21, 31	Tobacco products	93.9	102.1	100.5	100.7	105.1	110.3	113.4	114.7	1.5	3.1
2211, 21	Cotton, synthetic broad woven fabric	86.7	104.9	107.4	112.5	121.6	119.9	123.9	130.3	3.8	3.6
2251, 52	Hosiery	94.3	107.4	122.0	114.2	118.0	119.7	118.3	118.6	2.0	–.1
2281	Nonwool yarn mills	101.2	99.7	103.1	118.2	128.5	129.6	134.5	129.2	3.3	4.5
2421	Sawmills, planing mills	98.8	104.2	107.9	115.1	126.8	132.3	139.2	154.5	3.9	7.1
2431	Millwork	100.2	93.6	96.4	86.1	87.9	88.7	85.7	(NA)	[4] –1.5	[4] –2.0
2435, 36	Veneer and plywood	97.8	102.8	106.9	114.4	121.1	120.0	121.3	(NA)	[4] 2.6	[4] 3.1
251	Household furniture	97.5	99.9	103.0	104.7	110.2	112.3	112.5	116.9	1.5	2.5
2611, 21, 31, 61	Paper, paperboard, pulp mills	86.7	105.2	104.4	111.3	119.5	121.0	120.3	128.8	3.1	3.8
2653	Corrugated, solid fiber boxes	96.2	111.0	109.8	111.9	114.0	118.9	122.5	127.3	2.3	3.1
281	Industrial inorganic chemicals	86.5	94.3	91.4	86.3	94.2	106.0	102.6	(NA)	[4] .5	[4] 4.5
2823, 24	Synthetic fibers	84.5	115.7	120.9	103.6	126.2	125.3	135.8	148.2	4.3	6.3
2834	Pharmaceuticals	92.5	106.0	104.2	107.0	115.2	114.3	111.9	114.8	1.9	1.8
2844	Cosmetics	94.0	83.6	76.1	84.0	86.2	85.2	86.7	(NA)	[4] –1.6	[4] 2.8
2851	Paints, allied products	94.2	100.8	99.8	106.5	111.5	119.0	117.3	122.1	2.2	4.0
2869	Industrial organic chemicals, n.e.c	85.3	98.9	103.9	87.2	105.3	114.0	112.4	(NA)	[4] 1.8	[4] 4.3
2911	Petroleum refining	88.7	94.2	83.7	79.4	81.8	92.5	102.6	114.9	.5	7.3
3011	Tires, inner tubes	91.8	102.4	118.1	128.2	136.1	146.8	146.7	148.1	4.7	4.7
3079	Miscellaneous plastics	86.2	95.7	98.5	110.1	107.3	110.5	113.0	(NA)	[4] 2.4	[4] 2.8
314	Footwear	101.3	99.1	95.6	106.4	103.9	105.7	107.3	107.4	.6	1.8
3271, 72	Concrete products	91.9	90.4	88.5	91.0	97.6	99.2	100.5	(NA)	[4] .3	[4] 3.5
331	Steel	93.3	102.9	112.0	90.9	116.8	131.3	139.5	141.9	3.4	7.7
3321	Gray iron foundries	97.0	90.8	92.7	93.7	98.3	106.8	104.2	102.2	.5	2.8
3353, 54, 55	Aluminum rolling, drawing	87.5	100.0	96.8	99.2	110.4	116.2	115.9	125.8	2.3	5.4
3433	Heating equip., except electric	80.4	99.7	94.6	102.3	93.2	102.0	97.7	(NA)	[4] 1.4	[4] .8
3441	Fabricated structural metal	97.4	102.1	98.5	99.5	103.0	107.9	117.7	(NA)	[4] 1.2	[4] 4.5
3465, 6, 9	Metal stampings	93.2	99.9	101.4	98.1	104.7	110.4	104.7	(NA)	[4] 1.1	[4] 1.8
3519	Internal combustion engines	86.7	94.3	93.2	82.0	86.8	99.8	102.7	(NA)	[4] .1	[4] 4.0
352	Farm, garden machinery	97.7	93.3	95.1	94.9	95.3	105.2	101.7	(NA)	[4] .1	[4] 2.4
3531	Construction machinery, equipment	93.9	97.4	96.1	88.9	88.2	102.6	104.1	105.3	.3	3.1
3541, 42	Machine tools	103.0	98.8	96.5	88.5	83.5	94.0	92.0	95.2	–1.2	.5
3561, 63	Pumps and compressors	91.4	100.2	102.4	95.9	100.2	106.1	108.3	(NA)	[4] 1.0	[4] 2.2
3585	Refrigeration, heating equipment	89.9	93.8	99.4	100.1	100.9	105.4	103.7	(NA)	[4] 1.1	[4] 1.4
3621	Motors, generators	93.0	96.7	100.4	102.4	104.3	107.9	110.5	(NA)	[4] 1.4	[4] 2.5
3631, 2, 3, 9	Major household appliances	93.6	105.8	107.6	108.6	117.6	123.6	127.2	135.7	3.1	4.8
3651	Radio and TV sets	90.1	116.9	133.6	163.9	196.1	236.9	249.8	256.9	10.9	14.4
3674	Semiconductors	56.0	149.4	171.6	197.9	211.5	229.2	206.1	218.4	12.2	4.1
371	Motor vehicles, equipment	87.7	90.8	93.1	96.9	109.6	115.7	121.1	123.3	2.7	6.3
3825	Instruments to measure electricity	95.9	106.4	111.9	119.2	121.8	133.7	130.4	(NA)	[4] 3.6	[4] 4.3
(E, G, H, I)	**Transportation, utilities, trade:**										
401	RR transport (revenue traffic) [5]	89.5	107.3	111.5	115.8	141.9	152.6	162.1	179.9	6.2	10.4
Pts of 4111, 31, 414	Bus carriers [6]	97.0	100.9	90.7	98.8	95.4	90.9	88.2	(NA)	[4] –.7	[4] –1.4
4213 pt.	Intercity trucking [7]	89.2	94.3	98.7	93.3	101.0	102.5	97.2	(NA)	[4] .4	[4] .8
4511	Air transportation [7]	87.6	106.2	104.9	114.9	126.8	131.7	136.5	138.1	3.9	5.7
4612, 13	Petroleum pipelines	95.7	93.0	86.0	89.2	94.3	104.5	104.9	107.8	.6	5.0
4811	Telephone communications	85.9	118.1	124.4	129.1	145.1	143.0	149.9	158.9	5.8	4.8
491, 92, 93	Gas and electric utilities	95.7	96.2	94.4	89.3	88.1	91.4	90.5	88.9	–1.0	–.8
5251	Hardware stores [8]	97.9	111.4	107.3	108.9	107.0	112.8	111.4	118.1	1.5	1.7
5311	Department stores	89.9	101.0	106.0	107.4	114.9	122.1	125.0	130.3	3.1	4.5
54	Retail food stores [8]	100.7	98.9	95.2	93.5	93.9	93.6	94.2	93.0	–.8	–.3
5511	Franchised new car dealers	95.0	99.6	98.1	100.4	109.4	110.4	109.7	111.3	1.4	2.6
5541	Gasoline service stations [8]	85.6	104.3	105.8	110.7	118.1	121.0	122.6	126.6	3.1	3.6
56	Apparel, accessory stores [8]	105.3	120.1	127.1	130.9	137.8	146.6	152.2	162.8	4.5	5.1
57	Furniture, furnishings, equip. stores [8]	91.9	107.4	112.6	109.2	118.4	128.1	131.0	141.2	3.8	5.1
58	Eating, drinking places [8]	101.0	99.5	97.0	96.6	97.1	94.9	93.5	96.3	–.6	–.4
5912	Drug, proprietary stores [8]	94.2	107.0	107.6	107.9	110.1	105.0	100.3	97.0	.5	–2.2
592	Liquor stores [8]	96.5	101.9	103.7	107.8	101.7	99.1	105.9	109.1	.8	.5
602	Commercial banking	90.0	92.7	90.5	93.2	101.7	104.6	109.2	(NA)	[4] 1.0	[4] 5.0
7011	Hotels, motels, tourist courts [8]	89.7	95.0	91.6	88.8	95.4	102.1	97.5	92.8	(Z)	1.2
721	Laundry, cleaning services [8]	96.9	90.6	88.1	90.2	90.1	92.1	87.0	84.9	–1.4	–.8
723, 724	Beauty and barber shops	98.7	102.9	109.2	108.3	114.1	103.9	98.5	98.7	.4	–2.5
753	Automotive repair shops [8]	101.9	96.0	93.6	87.7	86.2	86.5	96.2	94.1	–1.3	.3

NA Not available. Z Less than .05 percent. [1] Standard Industrial Classification; see text, section 13. [2] For explanation of average annual percent change, see source. [3] Excludes fuels. [4] Change from 1975 to 1985 and 1981 to 1985. [5] Class 1 line-haul railroads and switching and terminal companies. [6] Class 1 interstate carriers regulated by the ICC. [7] Refers to output per employee. [8] Data relate to all persons (paid employees, unpaid family workers, and the self-employed).

Source: U.S. Bureau of Labor Statistics, Bulletin 2296, *Productivity Measures for Selected Industries and Government Services 1958–86;* and unpublished data.

No. 659. Indexes of Productivity and Related Measures: 1960 to 1987

[See text, section 13. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series D 689-704 and W 22-25]

ITEM	1960	1965	1970	1975	1980	1983	1984	1985	1986	1987
INDEXES (1977 = 100)										
Output, per hour, business sector	67.6	81.0	88.4	95.7	99.3	103.0	105.6	107.7	110.1	111.0
Nonfarm business	71.0	83.4	89.3	96.0	98.8	102.5	104.6	106.1	108.2	109.0
Manufacturing	62.2	76.6	80.8	92.9	101.4	112.0	118.1	123.6	127.7	132.0
Output,[1] business sector	55.4	70.0	80.3	89.4	106.7	109.9	119.2	124.2	128.6	133.3
Nonfarm business	54.6	69.5	80.0	89.1	106.7	110.1	119.2	123.9	128.2	133.0
Manufacturing	52.5	71.7	78.6	84.9	103.2	104.7	117.5	122.0	124.7	130.1
Hours,[2] business sector	81.9	86.4	90.8	93.4	107.5	106.7	112.9	115.3	116.8	120.1
Nonfarm business	76.9	83.3	89.7	92.8	108.0	107.5	114.0	116.8	118.5	122.1
Manufacturing	84.4	93.6	97.3	91.4	101.7	93.5	99.5	98.7	97.7	98.6
Compensation per hour,[3] business sector	33.6	41.5	57.8	85.2	131.5	161.5	168.0	175.5	183.1	190.4
Nonfarm business	35.3	42.5	58.2	85.6	131.3	161.5	167.8	174.9	182.3	189.4
Manufacturing	36.5	42.7	57.4	85.1	132.4	162.4	168.0	176.4	183.0	186.9
Real hourly compensation,[3] business sector	68.9	79.8	90.3	96.0	96.7	98.2	98.0	98.8	101.2	101.5
Nonfarm business	72.3	81.8	90.9	96.4	96.6	98.3	97.9	98.5	100.8	101.0
Manufacturing	74.8	82.2	89.6	95.9	97.4	98.8	98.0	99.3	101.2	99.7
Unit labor costs,[4] business sector	49.7	51.2	65.4	89.0	132.5	156.7	159.1	162.9	166.3	171.5
Nonfarm business	49.7	50.9	65.2	89.2	132.9	157.6	160.4	164.9	168.6	173.8
Manufacturing	58.7	55.8	71.0	91.7	130.6	145.0	142.2	142.7	143.3	141.7
ANNUAL PERCENT CHANGE[5]										
Output per hour, business sector	1.7	3.0	.7	2.0	-.3	2.7	2.5	2.1	2.2	.8
Nonfarm business	1.1	2.5	.3	1.8	-.4	3.3	2.1	1.4	2.0	.8
Output,[1] business sector	1.8	6.3	-.9	-2.1	-1.1	4.2	8.4	4.2	3.5	3.6
Nonfarm business	1.7	6.4	-1.1	-2.3	-1.2	5.0	8.3	3.9	3.5	3.8
Hours,[2] business sector	.1	3.2	-1.6	-4.0	-.8	1.5	5.7	2.1	1.3	2.8
Nonfarm business	.6	3.8	-1.3	-4.0	-.7	1.6	6.0	2.5	1.5	3.0
Compensation per hour,[3] business sector	4.3	3.8	7.3	9.7	10.5	4.2	4.1	4.5	4.3	4.0
Nonfarm business	4.4	3.4	7.0	9.7	10.5	4.3	3.9	4.2	4.2	3.8
Real hourly compensation,[3] business sector	2.5	2.2	1.5	.6	-2.7	1.0	-.2	.9	2.4	.3
Nonfarm business	2.6	1.7	1.2	.5	-2.7	1.1	-.4	.6	2.3	.2
Unit labor costs,[4] business sector	2.6	.9	6.5	7.6	10.9	1.4	1.5	2.4	2.1	3.1
Nonfarm business	3.3	.8	6.7	7.8	11.0	1.0	1.8	2.8	2.2	3.1

[1] Refers to gross domestic product originating in the sector, in 1982 prices. [2] Hours of all persons engaged in the business and nonfarm business sectors (employees, proprietors, and unpaid family workers); employees' and proprietors' hours in manufacturing. [3] Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Also includes an estimate of same for self-employed. Real compensation deflated by the consumer price index for all urban consumers, see text, section 15. [4] Hourly compensation divided by output per paid hour. [5] All changes are from the immediately prior year.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

No. 660. Average Annual Total Compensation and Wages and Salaries per Full-Time Equivalent Employee, by Industry: 1980 to 1987

[**In dollars, except percent.** Wage and salary payments include executives' compensation, bonuses, tips, and payments in kind; total compensation includes, in addition to wages and salaries, employer contributions for social insurance, employer contributions to private pension and welfare funds, directors' fees, jury and witness fees, etc.]

INDUSTRY	ANNUAL TOTAL COMPENSATION					ANNUAL WAGES AND SALARIES				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Domestic industries	**18,815**	**24,277**	**25,266**	**26,268**	**27,334**	**15,757**	**20,163**	**21,079**	**21,939**	**22,902**
Average annual percent change[1]	8.4	6.6	4.1	4.0	4.1	7.8	6.4	4.5	4.1	4.4
Agriculture, forestry, and fisheries	9,836	12,169	12,833	13,267	13,681	8,596	10,536	11,086	11,456	11,865
Mining	28,181	37,106	38,367	39,956	40,769	23,405	30,777	32,035	33,319	33,937
Construction	22,033	26,791	27,581	28,628	29,754	18,571	22,061	22,768	23,590	24,585
Manufacturing	22,023	28,620	29,999	31,251	32,065	17,954	23,244	24,549	25,593	26,355
Transportation	25,029	30,306	30,895	31,433	32,070	20,850	24,811	25,305	25,672	26,191
Communication	28,341	37,961	39,980	41,642	43,594	22,079	29,376	31,381	32,805	34,533
Electric, gas, and sanitary services	27,358	37,544	39,429	41,292	42,992	21,701	29,832	31,669	33,234	34,744
Wholesale trade	21,598	27,632	28,853	30,129	31,364	18,822	23,864	25,013	26,111	27,269
Retail trade	12,490	15,310	15,625	16,263	16,766	10,953	13,284	13,602	14,130	14,593
Finance, insurance, and real estate	18,968	26,166	28,014	30,275	32,262	15,871	21,980	23,724	25,762	27,625
Services	15,236	20,481	21,395	22,361	23,857	13,460	17,895	18,743	19,594	20,962
Government and government enterprises	19,661	26,449	27,821	28,908	30,266	15,911	20,980	22,062	22,959	24,024

[1] Represents average for period of intervals shown; for 1980, change from 1975. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1988.

No. 661. Average Hourly and Weekly Earnings in Current and Constant (1977) Dollars, by Private Industry Group: 1970 to 1987

[Average weekly earnings includes overtime. Data are for production and related workers in mining, manufacturing, and construction, and nonsupervisory employees in other industries. Excludes agriculture. See headnote, table 655. See also *Historical Statistics, Colonial Times to 1970,* series D 877-892]

PRIVATE INDUSTRY GROUP	CURRENT DOLLARS						CONSTANT (1977) DOLLARS					
	1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1986	1987
Average hourly earnings	**3.23**	**4.53**	**6.66**	**8.57**	**8.76**	**8.98**	**5.04**	**5.10**	**4.89**	**4.88**	**4.92**	**4.86**
Manufacturing	3.35	4.83	7.27	9.54	9.73	9.91	5.23	5.44	5.34	5.44	5.46	5.37
Mining	3.85	5.95	9.17	11.98	12.46	12.52	6.01	6.70	6.74	6.83	6.99	6.78
Construction	5.24	7.31	9.94	12.32	12.48	12.69	8.17	8.23	7.30	7.02	7.00	6.87
Transportation, public utilities	3.85	5.88	8.87	11.40	11.70	12.03	6.01	6.62	6.52	6.50	6.57	6.52
Wholesale trade	3.44	4.73	6.96	9.16	9.35	9.59	5.37	5.33	5.11	5.22	5.25	5.20
Retail trade	2.44	3.36	4.88	5.94	6.03	6.11	3.81	3.78	3.59	3.38	3.38	3.31
Finance, insurance, real estate	3.07	4.06	5.79	7.94	8.36	8.73	4.79	4.57	4.25	4.52	4.69	4.73
Services	2.81	4.02	5.85	7.90	8.18	8.48	4.38	4.53	4.30	4.50	4.59	4.59
Average weekly earnings	**120**	**164**	**235**	**299**	**305**	**313**	**187**	**184**	**173**	**170**	**171**	**169**
Manufacturing	133	191	289	386	396	406	208	215	212	220	222	220
Mining	164	249	397	520	526	531	256	280	292	296	295	288
Construction	195	266	368	464	467	480	304	300	270	265	262	260
Transportation, public utilities	156	233	351	450	459	472	243	262	258	257	252	255
Wholesale trade	137	183	267	352	358	365	214	206	197	200	201	197
Retail trade	82	109	147	175	176	178	128	123	108	100	99	97
Finance, insurance, real estate	113	148	210	289	304	317	176	167	154	165	171	172
Services	97	135	191	257	266	276	151	152	140	146	149	149

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly.

No. 662. Annual Percent Changes in Earnings and Compensation: 1978 to 1987

[Annual percent change from immediate prior year]

ITEM	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Current dollars:										
Hourly earnings, total [1]	8.4	8.3	8.1	8.9	5.9	4.4	3.7	3.0	2.2	2.5
Hourly earnings, manufacturing	8.6	8.6	8.5	9.9	6.3	4.0	4.1	3.8	2.0	1.8
Compensation per employee-hour [1]	8.6	9.5	10.5	9.4	7.8	4.3	3.9	4.2	4.2	3.8
Constant (1977) dollars:										
Hourly earnings, total [1]	.8	−2.8	−4.9	−1.2	-	1.2	.4	−.6	.8	−1.2
Hourly earnings, manufacturing	.9	−2.4	−4.5	−.2	.2	.9	.6	.4	.4	−1.6
Compensation per employee-hour [1]	.9	−1.7	−2.7	−.8	1.5	1.1	−.4	.6	2.3	.2
Consumer Price Index [2]	7.6	11.3	13.5	10.3	6.2	3.2	4.3	3.6	1.9	3.6

- Represents zero. [1] Nonfarm business sector. [2] See text, section 15.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 663. Average Weekly Earnings in Current and Constant (1977) Dollars, Private Nonagricultural and Manufacturing Industries: 1960 to 1987

[**In dollars.** Average earnings includes overtime. Based on reports from employing establishments and relate to full- and part-time wage and salary workers in nonagricultural establishments who worked during, or received pay for, any part of the pay period which includes the 12th of the month. See headnote, table 661. See *Historical Statistics, Colonial Times to 1970,* series D 804, for average weekly earnings in manufacturing]

YEAR	PRIVATE NONAGRICULTURAL		MANUFACTURING		YEAR	PRIVATE NONAGRICULTURAL		MANUFACTURING	
	Current dollars	Constant (1977) dollars [1]	Current dollars	Constant (1977) dollars [1]		Current dollars	Constant (1977) dollars [1]	Current dollars	Constant (1977) dollars [1]
1960	80.7	165.0	89.7	183.5	1979	219.9	183.4	269.3	224.6
1965	95.5	183.2	107.5	206.4	1980	235.1	172.7	288.6	212.0
1970	119.8	186.9	133.3	208.0	1981	255.2	170.1	318.0	212.0
1974	154.8	190.1	176.8	217.2	1982	267.3	168.1	330.3	207.7
1975	163.5	184.2	190.8	214.9	1983	280.7	171.3	354.1	216.0
1976	175.5	186.9	209.3	222.9	1984	292.9	172.8	374.0	220.7
1977	189.0	189.0	228.9	228.9	1985	299.1	170.4	386.4	220.2
1978	203.7	189.3	249.3	231.7	1986	304.9	171.1	396.0	222.2
					1987	312.5	169.3	406.3	220.1

[1] Earnings in current dollars divided by the Consumer Price Index (CPI-W) on a 1977 base; see text, section 15.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly.

No. 664. Average Annual Pay, by State: 1985 to 1987

n dollars except percent change. For workers covered by State unemployment insurance laws and for Federal civilian workers covered by unemployment compensation for Federal employees, approximately 90 percent of total civilian employment. Excludes most agricultural workers on small farms, all Armed Forces, elected officials in most States, railroad employees, most domestic workers, employees of certain nonprofit organizations and most self-employed individuals. Pay includes bonuses, cash value of meals and lodging, and tips and other gratuities. Minus sign (–) indicates decrease]

STATE	AVERAGE ANNUAL PAY			PERCENT CHANGE	
	1985	1986	1987 [1]	1985–1986	1986–1987
U.S	**19,184**	**19,966**	**20,855**	**4.1**	**4.5**
	17,023	17,638	18,318	3.6	3.9
	28,899	28,442	28,008	–.9	–1.5
	18,037	18,870	19,610	4.6	3.9
	15,553	16,162	16,529	3.9	2.3
	20,950	21,998	23,100	5.0	5.0
	19,569	20,275	20,736	3.6	2.3
	21,226	22,518	24,322	6.1	8.0
	19,150	19,637	20,764	2.5	5.7
	26,160	27,137	28,477	3.7	4.9
	16,958	17,680	18,674	4.2	5.6
	17,912	18,745	19,651	4.7	4.8
	17,329	18,101	19,091	4.5	5.5
	16,353	16,623	17,062	1.7	2.6
	20,601	21,445	22,250	4.1	3.8
	18,501	19,024	19,692	2.8	3.5
	16,097	16,598	17,292	3.1	4.2
	17,331	17,934	18,424	3.5	2.7
	16,941	17,357	18,008	2.5	3.7
	18,216	18,290	18,707	.4	2.3
	15,428	16,326	17,447	5.8	6.9
	19,092	20,121	21,324	5.4	6.0
	19,627	20,925	22,486	6.6	7.5
	21,884	22,721	23,081	3.8	1.6
	18,818	19,633	20,450	4.3	4.2
	14,951	15,420	15,938	3.1	3.4
MO	18,338	18,915	19,601	3.1	3.6
MT	15,932	16,085	16,438	1.0	2.2
NE	15,616	16,106	16,526	3.1	2.6
NV	18,179	18,739	19,521	3.1	4.2
NH	17,205	18,303	19,414	6.4	6.1
NJ	21,077	22,309	23,842	5.8	6.9
NM	16,989	17,301	17,767	1.8	2.7
NY	21,901	23,200	24,634	5.9	6.2
NC	16,226	16,999	17,861	4.8	5.1
ND	15,588	15,778	16,157	1.2	2.4
OH	19,433	19,903	20,568	2.4	3.3
OK	18,196	18,345	18,615	.8	1.5
OR	17,837	18,321	18,888	2.7	3.1
PA	18,649	19,403	20,408	4.1	5.2
RI	16,864	17,733	18,858	5.2	6.3
SC	15,944	16,603	17,279	4.1	4.1
SD	13,987	14,477	14,963	3.5	3.4
TN	16,987	17,661	18,501	4.0	4.8
TX	19,616	19,934	20,463	1.6	2.6
UT	17,577	17,863	18,303	1.6	2.5
VT	16,023	16,862	17,703	5.2	5.0
VA	18,069	18,972	19,963	4.9	5.2
WA	18,949	19,645	20,110	3.7	2.4
WV	18,019	18,402	18,820	2.1	2.3
WI	17,594	18,202	18,890	3.5	3.8
WY	18,950	18,969	18,817	.1	–.8

reliminary.

urce: U.S. Bureau of Labor Statistics, *Employment and Wages, Annual Averages 1986*, and USDL News Release 88–413, *Aver- Annual Pay by State and Industry, 1987.*

No. 665. Average Annual Pay, by Selected Metropolitan Areas: 1985 to 1987

n dollars, except percent change. For metropolitan areas defined as of June 30, 1987. CMSA=Consolidated Metropolitan tistical Area; MSA=Metropolitan Statistical Area; NECMA=New England County Metropolitan Area. See headnote, table 664]

OPOLITAN AREAS RANKED POPULATION SIZE, 1986	AVERAGE ANNUAL PAY			Percent change, 1986–1987
	1985	1986	1987 [1]	
U.S. total	**19,184**	**19,966**	**20,855**	**4.5**
U.S. metropolitan total	(²)	20,762	21,724	4.6
York-Northern New sey-Long Island, NY-NJ- CMSA	22,724	24,207	25,976	7.3
ngeles-Anaheim- erside, CA, CMSA	21,476	22,542	23,921	6.1
go-Gary-Lake County (IL), N-WI CMSA	(²)	22,626	23,481	3.8
rancisco-Oakland-San e, CA CMSA	23,061	24,309	25,375	4.4
elphia-Wilmington- ton, PA-NJ-DE-MD SA	20,221	21,223	22,530	6.2
-Ann Arbor, MI CMSA	23,619	24,700	25,178	1.9
n-Lawrence-Salem- ell-Brockton, MA MA	20,817	22,250	23,888	7.4
-Forth Worth, TX CMSA	21,270	21,915	22,768	3.9
on-Galveston-Brazoria, CMSA	22,767	23,029	23,373	1.5
gton, DC-MD-VA MSA	22,727	23,859	25,210	5.7
Forth Lauderdale, FL A	18,454	19,330	20,602	6.6
nd-Akron-Lorain, OH A	20,533	21,024	21,782	3.6
, GA MSA	20,264	21,243	22,426	5.6
s, MO-IL MSA	20,368	20,969	21,793	3.9
gh-Beaver Valley, PA A	19,532	20,144	20,949	4.0
polis-St. Paul, MN-WI	20,576	21,495	22,385	4.1
-Tacoma, WA CMSA	20,361	21,286	21,863	2.7
re, MD MSA	(²)	19,911	20,978	5.4
go, CA MSA	19,154	20,146	21,051	4.5
St. Petersburg- water, FL MSA	16,410	17,116	17,911	4.6
, AZ MSA	18,769	19,730	20,612	4.5
Boulder, CO CMSA	21,197	21,963	22,649	3.0
Cincinnati-Hamilton, OH-KY-IN CMSA	19,571	20,280	21,142	4.2
Milwaukee-Racine, WI CMSA	19,410	20,084	20,758	3.4
Kansas City, MO-KS MSA	19,483	20,062	20,848	3.9
Portland-Vancouver, OR-WA CMSA	19,110	19,786	20,386	3.0
New Orleans, LA MSA	19,030	19,264	19,788	2.7
Norfolk-Virginia Beach-Newport News, VA MSA	16,827	17,597	18,268	3.8
Columbus, OH MSA	19,003	19,640	20,333	3.5
Sacramento, CA MSA	19,220	20,223	21,047	4.1
San Antonio, TX MSA	17,415	17,843	18,436	3.3
Indianapolis, IN MSA	19,494	20,115	21,081	4.8
Buffalo-Niagara Falls, NY CMSA	18,371	18,858	19,404	2.9
Providence-Pawtucket-Woonsocket, RI NECMA	16,709	17,574	18,696	6.4
Charlotte-Gastonia-Rock Hill, NC-SC MSA	17,773	18,650	19,806	6.2
Hartford-New Britain-Middletown-Bristol, CT NECMA	21,042	22,395	24,151	7.8
Salt Lake City-Ogden, UT MSA	17,999	18,306	18,856	3.0
Oklahoma City, OK MSA	19,089	19,144	19,534	2.0
Rochester, NY MSA	20,846	21,843	22,307	2.1
Louisville, KY-IN MSA	18,237	18,684	19,448	4.1
Memphis, TN-AR-MS MSA	18,310	18,799	19,709	4.8
Dayton-Springfield, OH MSA	19,887	20,225	20,612	1.9
Nashville, TN MSA	17,848	18,667	19,737	5.7
Birmingham, AL MSA	18,672	19,164	19,917	3.9
Greensboro-Winston-Salem-High Point, NC MSA	17,528	18,201	19,150	5.2
Orlando, FL MSA	17,310	18,014	18,923	5.0
Jacksonville, FL MSA	17,513	18,221	19,141	5.0
Albany-Schenectady-Troy, NY MSA	18,602	19,499	20,607	5.7
Honolulu, HI MSA	17,902	18,724	19,718	5.3
Richmond-Petersburg, VA MSA	18,566	19,348	20,374	5.3

minary. [2] Comparable data are not available.

e: U.S. Bureau of Labor Statistics, USDL News Release 88–516, *Annual Pay Levels in Metropolitan Areas, 1987*, and earlier

No. 666. Full-Time Wage and Salary Workers—Number and Median Weekly Earnings, by Selected Characteristics: 1983 to 1987

[**In current dollars of usual weekly earnings.** Data represent annual averages of quarterly data. Data revised since previously published. See text, section 13 for a discussion of occupational data. Based on Current Population Survey; see text, section 1, and Appendix III. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	NUMBER OF WORKERS (1,000)				MEDIAN WEEKLY EARNINGS			
	1983	1985	1986	1987	1983	1985	1986	1987
All workers [1]	**70,976**	**77,002**	**78,727**	**80,836**	**$313**	**$343**	**$358**	**$373**
Male	42,309	45,589	46,233	47,162	378	406	419	433
16 to 24 years old	6,702	6,956	6,822	6,726	223	240	245	257
25 years old and over	35,607	38,632	39,410	40,436	406	442	462	477
Female	28,667	31,414	32,494	33,674	252	277	290	303
16 to 24 years old	5,345	5,621	5,513	5,526	197	210	218	226
25 years old and over	23,322	25,793	26,981	28,148	267	296	306	321
White	61,739	66,481	67,779	69,358	319	355	370	383
Male	37,378	40,030	40,471	41,150	387	417	433	450
Female	24,361	26,452	27,308	28,208	254	281	294	307
Black	7,373	8,393	8,654	9,050	261	277	291	301
Male	3,883	4,367	4,464	4,679	293	304	318	326
Female	3,490	4,026	4,190	4,371	231	252	263	275
Hispanic origin [2]	(NA)	(NA)	5,630	6,093	(NA)	(NA)	277	284
Male	(NA)	(NA)	3,622	3,874	(NA)	(NA)	299	306
Female	(NA)	(NA)	2,008	2,219	(NA)	(NA)	241	251
Family relationship:								
Husbands	28,720	30,260	30,491	30,932	410	455	475	487
Wives	14,884	16,270	16,820	17,496	257	285	299	313
Women who maintain families	3,948	4,333	4,512	4,709	256	278	290	300
Men who maintain families	1,331	1,313	1,411	1,508	377	396	397	399
Other persons in families:								
Men	5,518	6,173	6,239	6,385	219	238	247	263
Women	4,032	4,309	4,328	4,469	201	213	222	235
All other men [3]	6,740	7,841	8,085	8,333	350	380	395	405
All other women [3]	5,803	6,503	6,841	7,004	274	305	316	326
Occupation, male:								
Managerial and professional	10,312	11,078	11,333	11,555	516	583	608	636
Exec., admin., managerial	5,344	5,835	5,980	6,117	530	593	620	647
Professional specialty	4,967	5,243	5,353	5,438	506	571	599	625
Tech., sales, and admin., support	8,125	8,803	8,977	9,241	385	420	437	453
Tech. and related support	1,428	1,563	1,597	1,533	424	472	490	500
Sales	3,853	4,227	4,373	4,580	389	431	447	479
Admin. support, incl. clerical	2,844	3,013	3,006	3,128	362	391	403	402
Service	3,723	3,947	3,987	4,143	255	272	284	296
Private household	11	13	14	16	(B)	(B)	(B)	(B)
Protective	1,314	1,327	1,433	1,481	355	391	402	427
Other service	2,398	2,607	2,540	2,646	217	230	239	251
Precision production [4]	9,180	10,026	9,973	10,125	387	408	418	431
Mechanics and repairers	3,418	3,752	3,588	3,681	377	400	413	423
Construction trades	2,966	3,308	3,413	3,548	375	394	401	416
Other	2,796	2,966	2,973	2,896	408	433	448	463
Operators, fabricators and laborers	9,833	10,585	10,784	10,926	308	325	332	344
Machine operators, assemblers, and inspectors	4,138	4,403	4,401	4,423	319	341	354	353
Transportation and material moving	3,199	3,459	3,494	3,612	335	369	372	386
Handlers, equipment cleaners, helpers, and laborers	2,496	2,724	2,890	2,890	251	261	271	288
Farming, forestry, fishing	1,137	1,150	1,178	1,171	200	216	220	219
Occupation, female:								
Managerial and professional	7,139	8,302	8,762	9,339	357	399	414	441
Exec., admin., managerial	2,772	3,492	3,797	4,099	339	383	395	416
Professional specialty	4,367	4,810	4,965	5,240	367	408	428	456
Tech. sales, and admin. support	13,517	14,622	15,083	15,439	247	269	282	293
Tech. and related support	1,146	1,200	1,224	1,264	299	331	343	366
Sales	2,460	2,929	3,021	3,077	204	226	239	248
Admin. support, incl. clerical	9,911	10,494	10,838	11,098	248	270	284	294
Service	3,598	3,963	4,074	4,171	173	185	191	199
Private household	267	330	320	305	116	130	119	130
Protective	139	156	156	186	250	278	292	314
Other service	3,193	3,477	3,598	3,680	176	188	195	201
Precision production [4]	784	906	878	867	256	268	277	302
Mechanics and repairers	120	144	136	131	337	392	431	456
Construction trades	45	53	56	38	(B)	265	333	(B)
Other	619	709	686	699	244	253	258	289
Operators, fabricators, and laborers	3,486	3,482	3,558	3,716	204	216	225	231
Machine operators, assemblers, and inspectors	2,853	2,778	2,853	2,962	202	216	223	227
Transportation and material moving	159	189	190	186	253	252	287	299
Handlers, equipment cleaners, helpers and laborers	474	514	515	568	211	209	226	235
Farming, forestry, fishing	143	138	140	142	169	185	187	191

B Data not shown where base is less than 50,000. NA Not available. [1] Includes other races, not shown separately. [2] Persons of Hispanic origin may be of any race. [3] The majority of these persons are living alone or with nonrelatives. Also included are persons in families where the husband, wife or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies. [4] Includes craft and repair.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307, and *Employment and Earnings*, January issues.

No. 667. Median Weekly Earnings of Families by Type of Family, Number of Earners, Race, and Hispanic Origin: 1980 to 1987

[Annual averages of quarterly figures based on Current Population Survey; see text, section 1, and Appendix III. For families with wage and salary earners]

CHARACTERISTIC	NUMBER OF FAMILIES (1,000)					MEDIAN WEEKLY EARNINGS (dollars)				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
TOTAL										
Total families with earners [1]	**41,162**	**40,944**	**41,616**	**42,101**	**42,733**	**400**	**499**	**522**	**543**	**572**
Married-couple families	33,825	33,070	33,459	33,569	33,844	433	548	582	606	637
One earner	14,797	13,532	13,347	13,049	12,668	303	371	385	393	405
Husband	12,127	10,604	10,346	9,979	9,640	336	418	440	459	477
Wife	2,059	2,220	2,243	2,351	2,272	159	205	217	223	230
Other family member	611	708	758	719	757	163	197	204	210	212
Two or more earners [2]	19,028	19,537	20,112	20,520	21,176	535	682	715	744	776
Husband and wife only	12,990	13,564	14,019	14,347	14,955	507	650	684	712	741
Husband and other family member(s)	2,369	2,182	2,159	2,056	1,996	557	685	680	720	749
Wife and other family member(s)	426	498	514	532	560	350	424	454	480	512
Other family members only	139	162	176	188	147	356	413	468	469	501
Families maintained by women	5,690	6,294	6,470	6,718	6,963	222	284	297	307	317
One earner	4,022	4,343	4,397	4,607	4,702	184	227	234	242	254
Householder	3,104	3,366	3,432	3,606	3,675	188	235	243	251	263
Other family member	918	977	965	1,001	1,027	168	199	200	205	215
Two or more earners	1,668	1,951	2,073	2,110	2,260	370	455	487	499	514
Families maintained by men	1,647	1,581	1,688	1,814	1,926	360	421	450	444	478
One earner	1,016	963	1,031	1,133	1,144	283	334	346	351	353
Two or more earners	631	618	656	681	782	502	611	625	637	675
WHITE										
Total families with earners [1]	**35,786**	**35,331**	**35,848**	**36,072**	**36,555**	**411**	**514**	**543**	**566**	**592**
Married-couple families	30,316	29,585	29,899	29,865	30,095	436	557	589	615	647
One earner [2]	13,437	12,218	12,097	11,698	11,385	311	381	395	405	416
Husband	11,152	9,703	9,496	9,077	8,784	343	426	452	472	485
Wife	1,740	1,879	1,925	1,996	1,946	160	207	218	225	231
Two or more earners	16,378	17,368	17,802	18,167	18,710	542	689	723	755	785
Husband and wife only	11,448	12,017	12,394	12,656	13,232	511	656	691	720	748
Families maintained by women	4,140	4,510	4,616	4,786	4,959	233	299	311	320	329
Families maintained by men	1,331	1,236	1,333	1,420	1,501	374	442	475	476	492
BLACK										
Total families with earners [1]	**4,503**	**4,579**	**4,668**	**4,810**	**4,942**	**299**	**366**	**378**	**391**	**412**
Married-couple families	2,802	2,648	2,671	2,734	2,768	366	463	487	503	529
One earner [2]	1,103	967	902	978	924	210	260	257	267	289
Husband	769	634	580	615	581	244	309	292	307	335
Wife	279	281	257	289	264	151	188	206	209	215
Two or more earners	1,700	1,681	1,769	1,755	1,843	472	600	622	645	675
Husband and wife only	1,238	1,216	1,258	1,269	1,318	461	582	603	628	646
Families maintained by women	1,438	1,640	1,703	1,756	1,822	192	240	259	267	284
Families maintained by men	263	292	294	320	352	307	365	360	348	383
HISPANIC ORIGIN [3]										
Total families with earners [1]	**(NA)**	**(NA)**	**(NA)**	**3,017**	**3,219**	**(NA)**	**(NA)**	**(NA)**	**412**	**425**
Married-couple families	(NA)	(NA)	(NA)	2,272	2,411	(NA)	(NA)	(NA)	459	473
One earner [2]	(NA)	(NA)	(NA)	1,006	1,032	(NA)	(NA)	(NA)	289	292
Husband	(NA)	(NA)	(NA)	828	838	(NA)	(NA)	(NA)	308	314
Wife	(NA)	(NA)	(NA)	127	122	(NA)	(NA)	(NA)	202	209
Two or more earners	(NA)	(NA)	(NA)	1,266	1,379	(NA)	(NA)	(NA)	603	615
Husband and wife only	(NA)	(NA)	(NA)	809	884	(NA)	(NA)	(NA)	582	593
Families maintained by women	(NA)	(NA)	(NA)	538	575	(NA)	(NA)	(NA)	273	285
Families maintained by men	(NA)	(NA)	(NA)	207	234	(NA)	(NA)	(NA)	380	418

NA Not available. [1] Excludes families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces. [2] Includes other earners, not shown separately. [3] Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307, and *Employment and Earnings*, January issues.

NO. 668. NUMBER OF WORKERS WITH EARNINGS AND MEDIAN EARNINGS, BY OCCUPATION OF LONGEST JOB HELD AND SEX: 1987

[Covers civilians 15 years old and over as of **March 1988.** Based on Current Population Survey; see text, section 1, and Appendix III. For definition of median, see Guide to Tabular Presentation]

MAJOR OCCUPATION GROUP OF LONGEST JOB HELD	ALL WORKERS				YEAR ROUND FULL-TIME					
	Women		Men		Women		Men		Ratio: Women to men	
	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number	Median earnings
Total [1]	**59,088**	**$10,618**	**69,419**	**$19,878**	**29,809**	**$16,909**	**47,080**	**$26,008**	**.63**	**.65**
Executive, administrators, and managerial	5,852	19,134	8,839	33,408	4,308	21874	7,541	36,155	.57	.61
Professional specialty	8,004	19,643	7,837	32,891	4,576	24,565	6,285	36,098	.73	.68
Technical and related support	1,830	16,242	1,983	25,670	1,149	19,559	1,501	29,170	.77	.67
Sales	8,082	6,268	7,610	21,624	3,031	14,277	5,447	27,880	.56	.51
Admin. support, incl. clerical	16,402	12,220	3,905	18,512	9,487	16,346	2,672	23,896	3.55	.68
Precision production, craft and repair	1,376	11,758	13,385	20,737	781	17,190	9,426	24,931	.08	.69
Machine operators, assemblers, and inspectors	3,885	10,050	5,196	17,363	2,216	13,028	3,707	20,821	.60	.63
Transportation and material moving	447	7,669	4,816	18,047	137	12,770	3,082	22,472	.04	.57
Handlers, equipment cleaners, helpers, and laborers	1,052	6,209	4,952	8,046	375	13,118	2,034	16,730	.18	.78
Service workers	11,486	4,714	7,169	8,523	3,543	11,000	3,594	17,320	.99	.64
Private household	1,203	1,614	56	(B)	187	7,053	4	(B)	46.75	(X)
Service, except private household	10,282	5,256	7,113	8,654	3,357	11,214	3,589	17,335	.94	.65
Farming, forestry, and fishing	654	2,574	3,519	6,479	199	7,034	1,658	12,389	.12	.57

B Base less than 75,000. X Not applicable. [1] Includes persons whose longest job was in the Armed Forces.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, forthcoming report.

NO. 669. EMPLOYMENT COST INDEX (ECI), BY INDUSTRY AND OCCUPATION: 1981 TO 1987

[**As of December.** The ECI is a measure of the rate of change in employee compensation (wages, salaries, and employer costs for employee benefits). Data are not seasonally adjusted; 1981-1985 based on 1970 Census of Population; thereafter, based on fixed employment counts from the 1980 Census of Population]

ITEM	INDEXES (June 1981=100)							PERCENT CHANGE FOR 12 MONTHS ENDING—				
	1981	1982	1983	1984	1985	1986	1987	1983	1984	1985	1986	1987
Civilian workers [1]	**104.5**	**111.4**	**117.8**	**123.9**	**129.2**	**133.8**	**138.6**	**5.7**	**5.2**	**4.3**	**3.6**	**3.6**
Workers, by occupational group:												
White-collar workers	104.9	111.9	118.9	125.5	131.6	136.9	142.2	6.3	5.6	4.9	4.0	3.9
Blue-collar workers	104.1	110.5	115.8	120.9	124.9	128.4	132.5	4.8	4.4	3.3	2.8	3.2
Service workers	104.2	112.4	119.1	126.8	131.8	136.6	140.8	6.0	6.5	3.9	3.6	3.1
Workers, by industry division:												
Manufacturing	104.0	110.4	116.0	122.0	126.0	130.1	134.1	5.1	5.2	3.3	3.3	3.1
Nonmanufacturing	104.8	111.8	118.6	124.8	130.6	135.4	140.5	6.1	5.2	4.6	3.7	3.8
Services	107.1	115.0	122.6	130.9	137.1	143.6	150.6	6.6	6.8	4.7	4.7	4.9
Public administration [2]	106.0	113.6	121.4	128.6	134.8	141.6	148.1	6.9	5.9	4.8	5.0	4.6
Private industry workers [3]	**104.0**	**110.7**	**117.0**	**122.7**	**127.5**	**131.6**	**136.0**	**5.7**	**4.9**	**3.9**	**3.2**	**3.3**
Workers, by occupational group:												
White-collar workers	104.0	110.8	117.9	123.9	129.8	134.3	139.3	6.4	5.1	4.8	3.5	3.7
Blue-collar workers	104.0	110.3	115.7	120.6	124.4	127.8	131.8	4.9	4.2	3.2	2.7	3.1
Service workers	103.1	111.8	117.9	125.7	129.5	133.5	136.7	5.5	6.6	3.0	3.1	2.4
Workers, by industry division:												
Manufacturing	104.0	110.4	116.0	122.0	126.0	130.1	134.1	5.1	5.2	3.3	3.3	3.1
Nonmanufacturing	103.9	110.6	117.5	123.1	128.4	132.4	137.1	6.0	4.8	4.3	3.1	3.5
Workers by bargaining status:												
Union	104.8	112.3	118.8	123.9	127.1	129.8	133.4	5.8	4.3	2.6	2.1	2.8
Nonunion	103.5	109.7	115.9	121.9	127.5	132.1	136.9	5.7	5.2	4.6	3.6	3.6
State and local government workers	**107.4**	**115.1**	**122.0**	**130.1**	**137.5**	**144.7**	**151.1**	**6.0**	**6.6**	**5.7**	**5.2**	**4.4**
Workers, by occupational group:												
White-collar workers	107.8	115.8	122.6	131.1	138.6	146.0	152.7	5.9	6.9	5.7	5.3	4.6
Blue-collar workers	105.9	113.0	119.2	125.9	132.7	139.5	144.3	5.5	5.6	5.4	5.1	3.4
Workers, by industry division:												
Services	107.9	115.9	122.6	131.3	139.1	146.6	153.1	5.8	7.1	5.9	5.4	4.4
Schools	107.9	115.8	122.6	132.0	140.3	148.4	155.5	5.9	7.7	6.3	5.8	4.8
Elementary and secondary	108.3	116.6	123.9	133.5	142.0	150.3	157.8	6.3	7.7	6.4	5.8	5.0
Hospitals and other services [4]	107.8	116.0	122.6	129.2	135.2	141.1	146.3	5.7	5.4	4.6	4.4	3.7
Public administration [2]	106.0	113.6	121.4	128.6	134.8	141.6	148.1	6.9	5.9	4.8	5.0	4.6

[1] Includes private industry and State and local government workers and excludes farm, household, and Federal government workers. [2] Consists of legislative, judicial, administrative, and regulatory activities. [3] Excludes farm and household workers. [4] Includes library, social, and health services.

Source: U.S. Bureau of Labor Statistics, *News, Employment Cost Index*, quarterly.

No. 670. Employer Costs for Employee Compensation per Hour Worked, by Industry: 1988

[**As of March,** for private industry workers. Based on a sample of establishments; see source for details]

COMPENSATION COMPONENT	COST (dol.)					PERCENT DISTRIBUTION				
	Total	Goods producing [1]	Service producing [2]	Manufacturing	Nonmanufacturing	Total	Goods producing [1]	Service producing [2]	Manufacturing	Nonmanufacturing
Total compensation	**13.79**	**16.42**	**12.72**	**16.26**	**13.08**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Wages and salaries	10.02	11.42	9.45	11.18	9.69	72.7	69.6	74.3	68.8	74.1
Total benefits	3.77	5.00	3.27	5.07	3.39	27.3	30.4	25.7	31.2	25.9
Paid leave	.97	1.13	.91	1.25	.89	7.0	6.9	7.1	7.7	6.8
Vacation	.48	.58	.44	.63	.44	3.5	3.5	3.5	3.9	3.4
Holiday	.33	.42	.29	.47	.29	2.4	2.5	2.3	2.9	2.2
Sick	.12	.10	.13	.11	.12	.9	.6	1.0	.7	.9
Other	.04	.04	.04	.04	.04	.3	.2	.3	.2	.3
Supplemental pay	.33	.55	.24	.58	.25	2.4	3.3	1.9	3.5	2.0
Premium pay	.17	.35	.10	.36	.11	1.2	2.1	.8	2.2	.9
Nonproduction bonuses	.12	.13	.11	.13	.11	.8	.8	.9	.8	.9
Shift pay	.04	.07	.03	.09	.03	.3	.4	.2	.5	.2
Insurance	.78	1.11	.64	1.20	.66	5.6	6.8	5.0	7.4	5.0
Pensions and savings	.45	.61	.39	.57	.41	3.3	3.7	3.0	3.5	3.2
Pensions	.38	.51	.33	.46	.36	2.8	3.1	2.6	2.8	2.7
Savings and thrift	.07	.10	.06	.11	.06	.5	.6	.4	.7	.4
Legally required [3]	1.22	1.55	1.08	1.43	1.16	8.8	9.5	8.5	8.8	8.9
Social Security	.81	.96	.75	.95	.76	5.9	5.8	5.9	5.9	5.8
Federal unemployment	.03	.03	.03	.03	.03	.2	.2	.3	.2	.3
State unemployment	.12	.18	.09	.18	.10	.8	1.1	.7	1.1	.8
Workers compensation	.24	.37	.18	.26	.23	1.7	2.3	1.5	1.6	1.8
Other benefits [4]	.02	.04	(Z)	.05	(Z)	.2	.3	(Z)	.3	(Z)

Z Represents or rounds to zero. [1] Mining, construction, and manufacturing. [2] Transportation, communications, public utilities, wholesale trade, retail trade, finance, insurance, real estate, and services. [3] Includes railroad retirement, railroad unemployment, railroad supplemental unemployment, and other legally required benefits, not shown separately. [4] Includes severance pay, supplemental unemployment benefits, and merchandise discounts in department stores.

Source: U.S. Bureau of Labor Statistics, *News, Employer Costs for Employee Compensation,* June 1988, USDL 88-293.

No. 671. Employees With Employer- or Union-Provided Pension Plans, or Group Health Plans, by Occupation and Industry: 1986

[**In thousands, except percent.** For civilian wage and salary workers 15 years old and over as of **March 1987.** Based on Current Population Survey; see text, section 1, and Appendix III]

OCCUPATION	Total	WITH PENSION PLANS		WITH GROUP HEALTH PLANS	
		Number	Percent	Number	Percent
Total [1]	**116,451**	**49,578**	**42.6**	**70,000**	**60.1**
Managerial and professional specialty	26,602	16,320	61.3	20,431	76.8
Executive, admin. and managerial	12,296	7,124	57.9	9,823	79.9
Prof. specialty	14,306	9,196	64.3	10,608	74.2
Technical, sales and admin. support	36,607	14,902	40.7	21,608	59.0
Service workers	17,528	3,900	22.3	6,001	34.2
Pvt. household	1,402	24	1.7	38	2.7
Service, exc. pvt. household	16,126	3,876	24.0	5,963	37.0
Farming, forestry and fishing	2,878	222	7.7	561	19.5
Precision prod., craft, and repair	13,090	6,359	48.6	9,294	71.0
Operatives, fabricators and laborers	19,546	7,791	39.9	11,981	61.3
OCCUPATION	**Total**	**Number**	**Percent**	**Number**	**Percent**
Total [1]	**116,451**	**49,578**	**42.6**	**70,000**	**60.1**
Agriculture, forestry, fisheries	2,490	236	9.5	575	23.1
Mining	972	567	58.3	797	82.0
Construction	7,055	2,261	32.0	3,801	53.9
Manufacturing	22,664	12,820	56.6	18,026	79.5
Transportation, public utilities	7,822	4,953	63.3	6,141	78.5
Wholesale trade	4,587	1,919	41.8	3,265	71.2
Retail trade	20,985	4,129	19.7	7,981	38.0
Finance, insurance, real estate	7,300	3,519	48.2	5,095	69.8
Business services	6,169	1,596	25.9	3,109	50.4
Personal services	4,611	512	11.1	1,103	23.9
Entertainment and recreation	1,665	323	19.4	555	33.3
Professional and related	24,261	12,301	50.7	15,029	61.9
Public administration	5,671	4,356	76.8	4,399	77.6

[1] Includes civilians whose longest job was in the Armed Forces, not shown separately.

Source: U.S. Bureau of the Census, unpublished data.

No. 672. Employee Benefits in Medium and Large Firms: 1986

[**For January through June.** Covers full-time employees in private industry; excludes small firms (establishments with fewer than 50 to 250 employees, depending on the industry), executive management and traveling operating employees, and Alaska and Hawaii. Covers only benefits for which the employer pays part or all of the premium or expenses involved. Based on sample survey of establishments; for details, see source]

TYPE OF EMPLOYEE BENEFIT	All employees	Professional and administrative	Technical and clerical	Production
Percent of employees participating in—				
Paid: Vacations	100	99	100	100
Holidays	99	99	100	98
Jury duty leave	93	96	96	90
Funeral leave	88	87	87	88
Rest time	72	58	69	82
Military leave	66	74	72	58
Sick leave	70	93	93	45
Personal leave	25	33	35	15
Lunch time	10	3	4	17
Insurance plans:				
Health	95	96	94	96
Noncontributory	54	52	45	61
Hospital/surgical [1]	94	94	94	95
Mental health care	94	94	94	94
Private duty nursing	89	92	91	87
Dental	67	71	68	65
Extended care facility	66	70	66	65
Home health care	63	67	66	58
Vision	38	37	39	39
Life	96	97	96	95
Noncontributory	87	87	87	86
Accident/sickness	49	28	35	69
Noncontributory	41	22	26	59
Long-term disability	48	68	60	30
Noncontributory	36	52	47	24
Retirement and savings plans:				
Defined benefit pension	76	78	78	74
Noncontributory	71	73	74	69
Retirement and savings plans—Con.				
Defined contribution	60	71	70	48
Savings and thrift	28	39	36	17
Employee stock ownership	30	32	32	27
Profit sharing	22	22	22	22
Additional benefits: [2]				
Parking	86	82	77	92
Educational assistance	76	86	84	[illegible]
Employee discounts	57	54	61	56
Travel accident insurance	52	72	63	36
In-house infirmary	46	47	38	50
Severance pay	45	61	57	31
Relocation allowance	43	62	41	24
Recreation facilities	33	37	31	32
Subsidized meals	21	28	26	16
Nonproduction bonuses, cash	20	22	20	19
Mean number of—				
Paid holidays	10.0	10.2	9.8	10.0
Paid vacation days after—				
1 year	8.8	10.1	9.6	7.5
3 years	10.5	11.0	10.5	10.2
5 years	12.7	13.5	13.0	12.0
10 years	15.8	16.5	16.0	15.3
15 years	18.5	19.0	18.9	17.9
20 years	20.6	21.2	20.7	20.3
25 years	22.2	22.7	22.5	21.7

[1] Includes physician visits in hospitals, diagnostic X-ray and lab, and auxiliary hospital services. [2] 1985 data.

Source: U.S. Bureau of Labor Statistics, *Employee Benefits In Medium And Large Firms, 1985* and *1986*, Bulletins 2262 and 2281.

No. 673. Establishments Providing Child Care Benefits and/or Varied Work-Schedule Policies, by Establishment Size and Sector: 1987

[**As of summer.** For establishments with 10 employees or more. Based on sample; for details, see source]

ITEM	Total	SIZE			SECTOR			
		10–49 employees	50–249 employees	250 employees or more	Private			Government
					Total	Goods [1]	Services [2]	
Total establishments (1,000)	**1,202**	**919**	**236**	**47**	**1,128**	**272**	**856**	**74**
Percent providing child-care benefits or services [3]	11.1	9.0	15.3	31.8	10.1	6.3	11.3	28.4
Employer-sponsored day care	2.1	1.9	2.2	5.2	1.6	.3	2.0	9.4
Assisted with child-care expenses [4]	3.1	2.4	4.7	8.9	3.1	1.9	3.5	2.9
Child-care information and referral services	5.1	4.3	6.3	14.0	4.3	2.3	5.0	15.8
Counseling services [5]	5.1	3.8	7.6	17.1	4.2	3.0	4.6	18.2
Other child-care benefits [6]	1.0	.7	1.6	2.9	.9	.6	1.0	2.3
Percent with varied work-schedule policies aiding child care [3]	61.2	62.0	58.1	59.4	61.4	51.3	64.6	57.2
Flexitime	43.2	45.1	37.7	34.9	43.6	31.3	47.5	37.5
Voluntary part-time	34.8	36.0	32.0	25.1	35.3	22.4	39.4	26.7
Job sharing [7]	15.5	16.0	13.7	15.7	15.0	9.0	16.9	23.5
Work at home	8.3	9.2	5.6	3.8	8.5	8.2	8.6	4.0
Flexible leave	42.9	43.8	39.9	40.2	42.9	37.3	44.6	43.7
Other leave or work-schedule policies	2.1	1.9	2.9	3.1	1.8	1.3	1.9	7.1
Percent with no child-care benefits or varied work schedule policies	36.8	36.7	38.1	32.5	36.6	46.4	33.5	38.6

[1] Mining, construction, and manufacturing. [2] Transportation, communications, public utilities; wholesale and retail trade; finance, insurance, and real estate; and services. [3] The individual categories will sum to more than 100 percent because many employers provide more than one benefit or policy. [4] Regular reimbursement of employees' child-care expenses as part of the employee benefits package. [5] A counselor, either a paid employee of the establishment or a contractor provided by the employer, who deals with family-related issues. [6] Can include such things as paying babysitting expenses for employees who work overtime, allowing employees to bring children to work, or organizing seminars and informational meetings on child care and parenting problems. [7] A formal arrangement whereby work of a single full-time position is performed by more than one employee.

Source: U.S. Bureau of Labor Statistics, *BLS Reports on Employer Child-Care Practices*, USDL 88-7.

NO. 674. EFFECTIVE FEDERAL MINIMUM HOURLY WAGE RATES, 1950 TO 1988, AND COVERAGE IN 1987

[Employee estimates as of **September 1987**, except as indicated. The Fair Labor Standards Act of 1938 and subsequent amendments provide for minimum wage coverage applicable to specified nonsupervisory employment categories. Exempt from coverage are executives and administrators or professionals]

IN EFFECT	MINIMUM RATES FOR NONFARM WORKERS: Laws prior to 1966 [1]	MINIMUM RATES FOR NONFARM WORKERS: Percent, avg. earnings [2]	MINIMUM RATES FOR NONFARM WORKERS: 1966 and later [3]	Minimum rates for farm workers [4]
Jan. 25, 1950	$.75	54	(x)	(x)
Mar. 1, 1956	1.00	52	(x)	(x)
Sept. 3, 1961	1.15	50	(x)	(x)
Sept. 3, 1963	1.25	51	(x)	(x)
Feb. 1, 1967	1.40	50	$1.00	$1.00
Feb. 1, 1968	1.60	54	1.15	1.15
Feb. 1, 1969	(5)	51	1.30	1.30
Feb. 1, 1970	(5)	49	1.45	(5)
Feb. 1, 1971	(5)	46	1.60	(5)
May 1, 1974	2.00	46	1.90	1.60
Jan. 1, 1975	2.10	45	2.00	1.80
Jan. 1, 1976	2.30	46	2.20	2.00
Jan. 1, 1977	(5)	42	2.30	2.20
Jan. 1, 1978	2.65	44	2.65	2.65
Jan. 1, 1979	2.90	45	2.90	2.90
Jan. 1, 1980	3.10	44	3.10	3.10
Jan. 1, 1981	3.35	43	3.35	3.35
Mar. 1, 1988	(5)	33	(5)	(5)

SEX, RACE, AND INDUSTRY	NONSUPERVISORY EMPLOYEES, 1987: Total (1,000)	Subject to minimum wage rates: Total (1,000)	Subject to minimum wage rates: Percent of total	Subject to minimum wage rates: Prior to 1966 [6] [7] (1,000)	Subject to minimum wage rates: 1966 and later [3] [7] (1,000)
Total	**86,886**	**76,023**	**87.5**	**48,405**	**27,618**
Male	45,070	39,312	87.2	26,577	12,735
Female	41,816	36,711	87.8	21,828	14,883
White	76,426	66,641	87.2	43,240	23,401
Black and other	10,460	9,382	89.7	5,165	4,217
Black only	9,523	8,543	89.7	4,712	3,831
Private industry	**76,390**	**65,527**	**85.8**	**48,405**	**17,122**
Agriculture [8]	1,670	642	38.4	-	642
Mining	664	660	99.4	660	-
Construction	4,771	4,749	99.5	3,981	768
Manufacturing	17,093	16,620	97.2	16,518	102
Transp., public utilities	4,844	4,813	99.4	4,737	76
Wholesale trade	5,007	3,993	79.7	3,744	249
Retail trade	18,566	14,254	86.0	7,249	7,005
Finance, insurance, real estate	5,683	4,309	75.8	4,140	169
Service [9]	18,696	14,564	77.9	7,376	7,188
Private households	1,396	923	66.1	-	923
Government [9] [10]	**10,496**	**10,496**	**100.0**	-	**10,496**

- Represents zero. X Not applicable. [1] Applies to workers covered prior to 1961 Amendments and, after Sept. 1965, to workers covered by 1961 Amendments. Rates set by 1961 Amendments were: Sept. 1961, $1.00; Sept. 1964, $1.15; and Sept. 1965, $1.25. [2] Percent of gross average hourly earnings of production workers in manufacturing. [3] Applies to workers newly covered by Amendments of 1966, 1974, and 1977, and Title IX of Education Amendments of 1972. [4] Included in coverage as of 1966, 1974, and 1977 Amendments. [5] No change in rate. [6] Includes workers in retail-service establishments with less than $250,000 in gross annual sales which are part of enterprises covered under criteria in effect prior to the 1966 Amendments. These workers became subject under the 1974 Amendments. [7] Currently employed workers subject to provisions. [8] Estimates based on average employment for the ten-month active season. [9] Estimates for educational services in private industry and government relate to October. [10] Federal, State, and local employees.

Source: U.S. Department of Labor, Employment Standards Administration, *Minimum Wage and Maximum Hours Standards Under the Fair Labor Standards Act*, 1981, annual; and unpublished data.

NO. 675. WORKERS PAID HOURLY RATES WITH EARNINGS AT OR BELOW THE MINIMUM WAGE, BY SELECTED CHARACTERISTICS: 1987

[Annual averages of monthly figures; for employed wage and salary workers. Based on Current Population Survey, see text, section 1, and Appendix III]

CHARACTERISTIC	NUMBER OF WORKERS [1] (1,000): Total paid hourly rates	At or below $3.35: Total	At or below $3.35: At $3.35	At or below $3.35: Below $3.35	PERCENT DISTRIBUTION: Total paid hourly rates	At or below $3.35: Total	At or below $3.35: At $3.35	At or below $3.35: Below $3.35	PERCENT OF ALL WORKERS PAID HOURLY RATES, At or below $3.35: Total	At $3.35	Below $3.35
Total, 16 years and over [2]	59,552	4,697	3,229	1,468	100.0	100.0	100.0	100.0	7.9	5.4	2.5
16 to 24 years	15,725	2,688	1,958	730	26.4	57.2	60.6	49.7	17.1	12.5	4.6
16 to 19 years	5,954	1,706	1,272	434	10.0	36.3	39.4	29.6	28.7	21.4	7.3
25 years and over	43,827	2,009	1,271	738	73.6	42.8	39.4	50.3	4.6	2.9	1.7
Male, 16 years and over	30,474	1,647	1,283	364	51.2	35.1	39.7	24.8	5.4	4.2	1.2
16 to 24 years	8,140	1,115	910	205	13.7	23.7	28.2	14.0	13.7	11.2	2.5
16 to 19 years	2,982	738	611	127	5.0	15.7	18.9	8.7	24.7	20.5	4.3
25 years and over	22,335	531	373	158	37.5	11.3	11.6	10.8	2.4	1.7	.7
Women, 16 years and over	29,078	3,051	1,946	1,105	48.8	65.0	60.3	75.3	10.5	6.7	3.8
16 to 24 years	7,586	1,574	1,049	525	12.7	33.5	32.5	35.8	20.7	13.8	6.9
16 to 19 years	2,972	968	660	308	5.0	20.6	20.4	21.0	32.6	22.2	10.4
25 years and over	21,492	1,478	898	580	36.1	31.5	27.8	39.5	6.9	4.2	2.7
hite	50,180	3,909	2,598	1,311	84.3	83.2	80.5	89.3	7.8	5.2	2.6
ack	7,667	670	547	123	12.9	14.3	16.9	8.4	8.7	7.1	1.6
spanic origin [3]	5,155	416	342	74	8.7	8.9	10.6	5.0	8.1	6.6	1.4
ll-time workers	44,462	1,594	1,089	505	74.7	33.9	33.7	34.4	3.6	2.4	1.1
rt-time workers [4]	15,090	3,103	2,140	963	25.3	66.1	66.3	65.6	20.6	14.2	6.4
vate sector	51,965	4,314	2,919	1,395	87.3	91.8	90.4	95.0	8.3	5.6	2.7
Goods-producing industries [5]	19,126	546	447	99	32.1	11.6	13.8	6.7	2.9	2.3	.5
Service-producing industries [6]	32,840	3,770	2,473	1,297	55.1	80.3	76.6	88.4	11.5	7.5	3.9
Retail trade	12,588	2,415	1,576	839	21.1	51.4	48.8	57.2	19.2	12.5	6.7
Services	12,960	1,194	768	426	21.8	25.4	23.8	29.0	9.2	5.9	3.3
lic sector	7,587	383	310	73	12.7	8.2	9.6	5.0	5.0	4.1	1.0

Excludes the incorporated self-employed. [2] Includes races not shown separately. [3] Persons of Hispanic origin may be of race. [4] Working fewer than 35 hours per week. [5] Includes agriculture, mining, construction, and manufacturing. Includes transportation and public utilities; wholesale trade; finance, insurance, and real estate; private households; and other ice industries, not shown separately.

ource: U.S. Bureau of Labor Statistics, unpublished data.

No. 676. Major Collective Bargaining Agreements—Average Percent Effective Wage Adjustments: 1975 to 1987

[**In percent, except as indicated.** Data represent all wage adjustments implemented under the terms of private nonfarm industry agreements affecting 1,000 workers or more. Series cover production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries. Effective wage adjustment data measure all wage changes effective in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living adjustment (COLA) clauses]

ADJUSTMENTS	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total effective adjustments (prorated over all workers)	8.7	8.0	8.2	9.1	9.9	9.5	6.8	4.0	3.7	3.3	2.3	3.1
Source:												
Current settlements	2.8	3.0	2.0	3.0	3.6	2.5	1.7	.8	.8	.7	.5	.7
Prior agreements	3.7	3.2	3.7	3.0	3.5	3.8	3.6	2.5	2.0	1.8	1.7	1.8
COLA	2.2	1.7	2.4	3.1	2.8	3.2	1.4	.6	.9	.7	.2	.5
Industry:												
Manufacturing	8.5	8.4	8.6	9.6	10.2	9.4	5.2	2.7	4.3	2.8	1.5	3.4
Nonmanufacturing	8.9	7.6	7.9	8.8	9.7	9.5	7.9	4.8	3.3	3.6	2.9	2.9
Construction	8.1	6.5	6.5	7.1	9.0	11.2	9.7	4.4	2.9	3.0	3.0	3.1
Transportation and public utilities	9.7	8.5	8.2	11.2	10.8	8.6	7.1	4.4	3.0	3.6	2.7	2.7
Wholesale and retail trade	9.2	8.7	8.4	6.7	7.6	8.1	6.8	5.1	3.4	3.3	2.9	2.0
Services	6.4	6.7	8.8	7.0	8.1	9.6	7.8	7.0	4.9	5.1	3.7	3.8
Nonmanufacturing, excluding construction	9.3	8.1	8.5	9.5	9.6	8.8	7.1	5.0	3.4	3.7	2.9	2.8
Effective wage change for workers receiving change	(NA)	(NA)	(NA)	(NA)	(NA)	9.6	7.2	4.7	4.4	4.1	2.8	3.6
Source:												
Current settlements						9.8	7.4	2.8	3.0	3.4	1.6	2.9
Prior agreements						5.3	6.3	5.9	4.0	3.7	3.9	3.3
COLA						6.1	3.1	2.1	2.7	2.2	1.0	2.8
Total number of workers receiving wage change (mil.)						8.6	7.9	6.5	6.2	5.6	5.4	5.4
Source (mil.):												
Current settlements						2.3	1.9	2.3	1.9	1.4	1.9	1.8
Prior agreements						6.3	4.8	3.3	3.7	3.4	2.8	3.5
COLA						4.5	3.8	2.3	2.5	2.3	1.4	1.3
Number of workers not receiving a wage change (mil.)						.1	.5	1.2	1.1	1.4	1.2	1.0

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

No. 677. Major Collective Bargaining Settlements—Average Percent Adjustments in Wages and Compensation Negotiated: 1975 to 1987

[**In percent, except as indicated.** Data represent private nonfarm industry settlements affecting production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries. Wage data cover units with 1,000 workers or more. Compensation data relate to units of 5,000 or more. Data relate to contracts negotiated in each calendar year but exclude possible adjustments in wages under cost-of-living adjustment (COLA) clauses, except increases guaranteed by the contract. Includes all settlements, whether wages and benefits were changed or not. Minus sign (−) indicates decrease]

ADJUSTMENTS	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Compensation:												
First year	11.4	9.6	8.3	9.0	10.4	10.2	3.2	3.4	3.6	2.6	1.1	3.0
Over life of contract [1]	8.1	6.2	6.3	6.6	7.1	8.3	2.8	3.0	2.8	2.7	1.6	2.6
Wage-rates:												
All industries:												
First year	10.2	7.8	7.6	7.4	9.5	9.8	3.8	2.6	2.4	2.3	1.2	2.2
Contracts with COLA	12.2	8.0	6.9	6.2	8.0	8.0	2.2	1.9	2.9	1.6	1.9	2.3
Contracts without COLA	9.1	7.6	8.0	9.1	11.7	10.6	7.0	3.3	2.1	2.7	.9	2.1
Over life of contract [1]	7.8	5.8	6.4	6.0	7.1	7.9	3.6	2.8	2.4	2.7	1.8	2.1
Contracts with COLA	7.1	5.0	5.3	4.6	5.0	5.5	2.1	2.0	1.8	2.5	1.7	1.5
Contracts without COLA	8.3	6.9	7.1	8.0	10.3	8.8	6.6	3.7	2.7	2.8	1.8	2.5
Manufacturing:												
First year	9.8	8.4	8.3	6.9	7.4	7.2	2.8	.4	2.3	.8	−1.2	2.1
Over life of contract [1]	8.0	5.5	6.6	5.4	5.4	6.1	2.6	2.1	1.5	1.8	.2	1.3
Nonmanufacturing:												
First year	10.4	7.4	7.4	8.0	10.9	11.2	4.8	3.8	2.5	3.3	2.0	2.3
Over life of contract [1]	7.8	6.0	6.4	6.8	8.3	8.8	4.7	3.2	2.9	3.3	2.3	2.7
Number of workers affected (mil.)	2.9	4.0	2.5	3.5	3.8	2.4	3.3	3.1	2.3	2.2	2.5	2.0
Manufacturing (mil.)	.8	1.6	.6	1.9	1.6	.8	1.7	1.1	.9	.9	.6	.8
Nonmanufacturing (mil.)	2.1	2.4	2.0	1.6	2.2	1.6	1.6	2.0	1.4	1.3	1.9	1.1

[1] Average annual rate of change.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

No. 678. MAJOR COLLECTIVE BARGAINING SETTLEMENTS—SELECTED CHARACTERISTICS BY CONTRACT DURATION: 1987

[**Number of workers in thousands.** For settlements reached in 1987 affecting 1,000 or more workers. For private nonfarm industry settlements affecting production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries]

CHARACTERISTIC	All contracts	CONTRACT DURATION (months)						
		Less than 12	12	Between 12 and 24	24	Between 24 and 36	36	More than 36
Number of settlements	425	15	31	38	50	61	157	73
Number of workers	2,049	53	74	81	122	597	739	383
Average duration of settlement (months)	33.2	9.3	12.0	16.5	24.0	33.7	36.0	40.7
Percent wage adjustment in—								
First year of contract	2.2	1.1	.8	2.1	4.1	2.4	2.7	.8
Second year of contract [1]	1.9	(x)	(x)	.5	4.2	.6	3.2	1.2
Third year of contract [2]	1.9	(x)	(x)	(x)	(x)	.6	3.4	1.3
Over life of contract [3]	2.1	2.1	.8	1.8	4.1	1.3	3.1	1.1

X Not applicable. [1] For settlements with a duration of greater than 12 months. [2] For settlements with a duration of greater than 24 months. [3] Average annual percent adjustment.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, March 1988.

No. 679. WORK STOPPAGES: 1960 TO 1987

[Excludes work stoppages involving fewer than 1,000 workers and lasting less than 1 day. Information is based on reports of labor disputes appearing in daily newspapers, trade journals, and other public sources. The parties to the disputes are contacted by telephone, when necessary, to clarify details of the stoppages]

YEAR	Number of work stoppages [1]	Workers involved [2] (1,000)	DAYS IDLE	
			Number [3] (1,000)	Percent estimated working time [4]
1960	222	896	13,260	.09
1965	268	999	15,140	.10
1969	412	1,576	29,397	.16
1970	381	2,468	52,761	.29
1971	298	2,516	35,538	.19
1972	250	975	16,764	.09
1973	317	1,400	16,260	.08
1974	424	1,796	31,809	.16
1975	235	965	17,563	.09
1976	231	1,519	23,962	.12
1977	298	1,212	21,258	.10
1978	219	1,006	23,774	.11
1979	235	1,021	20,409	.09
1980	187	795	20,844	.09
1981	145	729	16,908	.07
1982	96	656	9,061	.04
1983	81	909	17,461	.08
1984	62	376	8,499	.04
1985	54	324	7,079	.03
1986	69	533	11,861	.05
1987	46	174	[5] 4,468	.02

[1] Beginning in year indicated. [2] Workers counted more than once if involved in more than 1 stoppage during the year. [3] Resulting from all stoppages in effect in a year, including those that began in an earlier year. [4] Agricultural and government employees are included in the total working time; private household, forestry and fishery employees are excluded. [5] Revised since originally published.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

No. 680. WORKERS KILLED OR DISABLED ON THE JOB, 1960 TO 1987, AND BY INDUSTRY GROUP, 1987

[1987 data are preliminary estimates. Estimates based on data from U.S. National Center for Health Statistics, State departments of health, and State industrial commissions. Numbers of workers based on data from U.S. Bureau of Labor Statistics]

YEAR	DEATHS						Disabling injuries [2] (1,000)
	Total		Manufacturing		Nonmanufacturing		
	Number (1,000)	Rate [1]	Number (1,000)	Rate [1]	Number (1,000)	Rate [1]	
1960	13.8	21	1.8	10	12.1	25	1,950
1965	14.1	20	1.8	10	12.3	24	2,100
1970	13.8	18	1.7	9	12.1	21	2,200
1975	13.0	15	1.6	9	11.4	17	2,200
1980	13.2	13	1.7	8	11.5	15	2,200
1984	11.5	11	1.1	6	10.4	12	1,900
1985	11.5	11	1.2	6	10.3	12	2,000
1986	11.2	10	1.1	6	10.1	11	1,800
1987	11.1	10	1.1	6	10.0	11	1,800

YEAR AND INDUSTRY GROUP	DEATHS		Disabling injuries [2] (1,000)
	Number (1,000)	Rate [1]	
1987, total	**11.1**	**10**	**1,800**
Agriculture [3]	1.6	49	160
Mining and quarrying	.3	38	30
Construction	2.2	35	190
Manufacturing	1.1	6	300
Transportation and utilities	1.5	28	150
Trade [4]	1.3	5	360
Service [5]	1.8	5	390
Government	1.3	8	220

[1] Per 100,000 workers. [2] Disabling injury defined as one which results in death, some degree of physical impairment, or renders the person unable to perform regular activities for a full day beyond the day of the injury. [3] Includes forestry and fishing. [4] Includes wholesale and retail trade. [5] Includes finance, insurance and real estate.

Source: National Safety Council, Chicago, IL, *Accident Facts*, annual. (Copyright.)

No. 681. Occupational Injury and Illness Incidence Rates, Selected Industries: 1980 to 1986

[**Rates per 100 full-time employees.** For nonfarm employment data, see table 657. Rates refer to any occupational injury or illness resulting in (1) fatalities, (2) lost workday cases, or (3) nonfatal cases without lost workdays. Incidence rates were calculated as: Number of injuries and illnesses or lost workdays divided by total hours worked by all employees during year multiplied by 200,000 as base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks a year). Based on the 1972 *Standard Industrial Classification (SIC) Manual*]

SIC [1] code	INDUSTRY	TOTAL CASES [2]			LOST WORKDAY CASES			NONFATAL CASES, NO LOST WORKDAYS			LOST WORKDAYS	
		1980	1985	1986	1980	1985	1986	1980	1985	1986	1985	1986
(x)	**Private sector** [3]	8.7	7.9	7.9	4.0	3.6	3.6	4.7	4.3	4.3	64.9	65.8
A	**Agriculture, forestry, fishing** [3]	11.9	11.4	11.2	5.8	5.7	5.6	6.1	5.6	5.6	91.3	93.6
B	**Mining**	11.2	8.4	7.4	6.5	4.8	4.1	4.6	3.6	3.2	145.3	125.9
10	Metal mining	8.9	6.1	6.3	5.5	3.3	3.6	3.4	2.7	2.7	113.5	88.9
11	Anthracite mining	13.8	8.7	8.3	8.5	7.0	6.9	5.2	1.5	1.3	445.8	272.3
12	Bituminous coal and lignite	10.1	6.6	8.0	8.3	5.1	5.8	1.8	1.5	2.1	199.2	172.8
13	Oil and gas extraction	13.4	10.1	8.1	6.7	5.3	3.9	6.6	4.8	4.2	143.8	129.8
14	Nonmetallic minerals, exc. fuels	5.4	3.9	4.5	3.6	2.6	3.0	1.8	1.3	1.4	87.3	63.6
C	**Construction**	15.7	15.2	15.2	6.5	6.8	6.9	9.1	8.4	8.3	128.9	134.5
15	General building contractors	15.5	15.2	14.9	6.5	6.8	6.6	9.0	8.4	8.2	120.4	122.7
16	Heavy construction contractors	16.3	14.5	14.7	6.3	6.3	6.3	9.9	8.1	8.3	127.3	132.9
17	Special trade contractors	15.5	15.4	15.6	6.7	7.0	7.2	8.8	8.4	8.4	133.3	140.4
D	**Manufacturing**	12.2	10.4	10.6	5.4	4.6	4.7	6.8	5.8	5.9	80.2	85.2
(x)	Durable goods	12.9	10.9	11.0	5.6	4.7	4.8	7.3	6.2	6.2	82.0	87.1
24	Lumber and wood products	18.6	18.5	18.9	9.5	9.3	9.7	9.1	9.2	9.2	171.4	177.2
25	Furniture and fixtures	16.0	15.0	15.2	6.6	6.3	6.3	9.4	8.7	9.0	100.4	103.0
32	Stone, clay, and glass products	15.0	13.9	13.6	7.1	6.7	6.5	7.9	7.2	7.1	127.8	128.0
33	Primary metal industries	15.2	12.6	13.6	7.1	5.7	6.1	8.1	6.8	7.5	113.8	125.5
34	Fabricated metal products	18.5	16.3	16.0	8.0	6.9	6.8	10.5	9.4	9.2	110.1	115.5
35	Machinery, exc. electric	13.7	10.8	10.7	5.5	4.2	4.2	8.2	6.6	6.5	69.3	72.0
36	Electric and electronic equipment	8.0	6.4	6.4	3.3	2.7	2.7	4.7	3.7	3.6	45.7	48.8
37	Transportation equipment	10.6	9.0	9.6	4.9	3.9	4.1	5.7	5.0	5.4	71.6	78.1
38	Instruments and related products	6.8	5.2	5.3	2.7	2.2	2.3	4.1	3.0	2.9	37.9	42.2
39	Miscellaneous	10.9	9.7	10.2	4.3	4.2	4.3	6.5	5.6	5.9	73.2	70.9
(x)	Nondurable goods	11.1	9.6	10.0	5.0	4.4	4.6	6.1	5.2	5.5	77.6	82.3
20	Food and kindred products	18.7	16.7	16.5	9.0	8.1	8.0	9.7	8.6	8.5	138.0	137.8
21	Tobacco manufactures	8.1	7.3	6.7	3.8	3.0	2.5	4.3	4.3	4.1	51.7	45.6
22	Textile mill products	9.1	7.5	7.8	3.3	3.0	3.1	5.8	4.5	4.8	57.4	59.3
23	Apparel and other textile products	6.4	6.7	6.7	2.2	2.6	2.7	4.2	4.1	4.0	44.1	49.4
26	Paper and allied products	12.7	10.2	10.5	5.8	4.7	4.7	6.9	5.5	5.8	94.6	96.5
27	Printing and publishing	6.9	6.3	6.5	3.1	2.9	2.9	3.8	3.5	3.6	49.2	50.8
28	Chemicals and allied products	6.8	5.1	6.3	3.1	2.3	2.7	3.7	2.8	3.5	38.8	40.4
29	Petroleum and coal products	7.2	5.1	7.1	3.5	2.4	3.2	3.7	2.7	3.9	49.9	67.5
30	Rubber and misc. plastics products	15.5	13.4	14.0	7.4	6.3	6.6	8.1	7.1	7.4	107.4	118.2
31	Leather and leather products	11.7	10.3	10.5	5.0	4.6	4.8	6.7	5.7	5.7	88.3	83.4
E	**Transportation, public utilities**	9.4	8.6	8.2	5.5	5.0	4.8	3.8	3.6	3.4	107.1	102.1
40	Railroad transportation	11.1	8.4	6.8	7.2	5.8	4.8	3.8	2.6	1.9	92.0	75.1
41	Local passenger transit [4]	9.5	9.4	9.3	5.2	5.4	5.7	4.3	3.9	3.6	120.7	138.8
42	Trucking and warehousing	14.9	13.9	13.1	9.0	8.5	8.0	5.9	5.4	5.1	210.1	191.6
44	Water transportation	14.2	13.0	12.7	8.4	7.2	7.3	5.7	5.8	5.3	249.1	264.3
45	Air transportation	13.3	13.1	13.0	8.2	7.4	7.8	5.1	5.7	5.2	116.3	117.4
46	Pipelines, except natural gas	5.2	3.7	4.5	1.7	1.6	1.2	3.5	2.1	3.2	45.8	34.6
47	Transportation services	4.7	3.9	3.8	2.5	2.2	2.1	2.2	1.7	1.6	42.6	34.3
48	Communication	2.8	2.9	2.7	1.6	1.6	1.4	1.2	1.3	1.3	24.2	23.8
49	Electric, gas, sanitary services	8.6	6.9	6.8	4.3	3.4	3.4	4.2	3.5	3.4	62.4	61.1
F, G	**Wholesale and retail trade**	7.4	7.4	7.7	3.2	3.2	3.3	4.2	4.2	4.3	50.7	54.8
F	Wholesale trade	8.2	7.2	7.2	3.9	3.5	3.6	4.3	3.6	3.6	59.8	62.5
G	Retail trade	7.1	7.5	7.8	2.9	3.1	3.2	4.2	4.4	4.6	47.0	50.5
H	**Finance, insurance, real estate** [5]	2.0	2.0	2.0	.8	.9	.9	1.1	1.1	1.1	15.4	17.1
60	Banking	1.5	1.6	1.6	.6	.7	.6	.9	1.0	.9	10.7	10.7
62	Security, commodity brokers	.8	.5	.7	.3	.3	.2	.5	.4	.5	4.0	3.8
63	Insurance carriers	1.7	1.8	1.9	.7	.8	.9	1.0	1.0	1.1	18.0	17.8
64	Insurance agents, brokers, and service	.8	.7	.8	.3	.3	.3	.5	.4	.5	5.2	8.1
65	Real estate	4.4	4.2	4.8	2.2	2.1	2.3	2.2	2.1	2.5	34.6	42.3
I	**Services** [5]	5.2	5.4	5.3	2.3	2.6	2.5	2.9	2.8	2.7	45.4	43.8
70	Hotels and other lodgings	8.9	10.0	10.0	3.7	4.3	4.3	5.2	5.8	5.7	64.1	73.0
72	Personal services	2.9	2.9	3.2	1.3	1.5	1.6	1.6	1.5	1.6	28.4	27.8
73	Business services	4.4	4.7	4.9	2.1	2.2	2.2	2.3	2.5	2.7	46.6	39.2
75	Auto repair, services, and garages	7.5	6.5	6.8	3.3	3.2	3.2	4.2	3.3	3.6	51.5	54.7
76	Miscellaneous repair services	8.8	7.9	7.0	4.2	4.0	3.4	4.6	3.9	3.5	69.4	80.4
78	Motion pictures	4.7	4.1	4.2	1.6	1.6	1.4	3.1	2.6	2.8	31.7	27.0
79	Amusement, recreation services	9.2	8.2	8.9	3.8	3.5	4.2	5.4	4.6	4.8	51.2	56.6
80	Health services	6.4	7.1	6.6	3.1	3.6	3.5	3.3	3.5	3.1	63.2	60.2
81	Legal services	.4	.6	.5	.2	.3	.2	.2	.3	.2	7.3	5.0
82	Educational services	3.3	3.4	3.3	1.4	1.4	1.4	1.9	2.0	1.9	22.6	22.1
83	Social services	5.1	6.0	5.4	2.2	2.6	2.5	2.9	3.3	2.9	45.0	40.6
84	Museums, botanical, zoological gardens	7.5	6.0	7.1	3.3	2.7	3.0	4.1	3.3	4.1	39.3	38.6
86	Membership organizations	3.4	(NA)	(NA)	1.0	(NA)	(NA)	2.4	(NA)	(NA)	(NA)	(NA)
89	Miscellaneous services	1.6	1.7	1.6	.7	.7	.7	.9	1.0	.9	8.3	10.4

NA Not available. X Not applicable. [1] Standard Industrial Classification; see text, section 13. [2] "Cases" represents occurrences. Includes fatalities for all employers. [3] Excludes farms with fewer than 11 employees. [4] Includes interurban [5] Includes categories not shown separately.

Source: U.S. Bureau of Labor Statistics, *Occupational Injuries and Illnesses in the United States by Industry*, annual

No. 682. U.S. Membership in AFL-CIO Affiliated Unions, by Selected Union: 1975 to 1987

[In thousands. Figures represent the labor organizations as constituted in 1987 and reflect past merger activity. Membership figures based on average per capita paid membership to the AFL-CIO for the 2-year period ending in June of the year shown and reflect only actively-employed members]

LABOR ORGANIZATION	1975	1979	1985	1987
Total [1]	**14,070**	**13,621**	**11,250**	**12,692**
Automobile, Aerospace and Agriculture (UAW)	(x)	(x)	974	998
Bakery, Confectionery and Tobacco [2]	149	131	115	109
Boiler Makers, Iron Shipbuilders [2]	123	129	110	90
Bricklayers	143	106	95	84
Carpenters [2]	712	629	609	609
Clothing and Textile Workers (ACTWU) [2]	377	308	228	195
Communication Workers (CWA)	476	485	524	515
Electrical Workers (IBEW)	856	825	791	765
Electronic, Electrical and Technical [2]	255	243	198	185
Operating Engineers	300	313	330	330
Firefighters	123	150	142	142
Food and Commercial Workers (UFCW) [2]	1,150	1,123	989	1,000
Garment Workers (ILGWU)	363	314	210	173
Government, American Federation (AFGE)	255	236	199	157
Graphic Communications [2]	198	171	141	136
Hotel Employees and Restaurant Employees	421	373	327	293
Ironworkers	160	146	140	122
Laborers	475	475	383	371
Letter Carriers (NALC)	151	151	186	200
Machinists and Aerospace (IAM)	780	664	520	509
Musicians	215	206	67	60
Oil, Chemical, Atomic Workers (OCAW)	145	146	108	96
Painters	160	160	133	128
Paperworkers Int'l	275	262	232	221
Plumbing and Pipefitting	228	228	226	220
Postal Workers	249	245	232	230
Retail, Wholesale Department Store [2]	120	122	106	140
Rubber, Cork, Linoleum, Plastic	173	158	106	97
Service Employees (SEIU) [2]	490	537	688	762
State, County, Municipal (AFSCME)	647	889	997	1,032
Steelworkers	1,062	964	572	494
Teachers (AFT)	396	423	470	499
Transport Workers	95	85	85	85

X Not applicable. [1] Includes other AFL-CIO affiliated unions, not shown separately. [2] Figures reflect mergers with one or more unions since 1975. For details see source.

Source: American Federation of Labor and Congress of Industrial Organizations, Washington, DC, *Report of the AFL-CIO Executive Council*, annual.

No. 683. U.S. Union Membership, by State: 1975 to 1982

[Data represent annual average, dues-paying full-time equivalent membership derived from financial records. Excludes unemployed members. In general, annual per capita revenues received by the parent organization were divided by the per capita rate to yield membership. For unions with multiple dues structures or other structures, other methods were used. See text, section 13 and source for details. A right-to-work State has laws which prohibit collective bargaining contracts from including clauses requiring union membership as a condition of employment]

STATE	TOTAL (1,000)			PERCENT OF EMPLOYED [1]		
	1975	1980	1982	1975	1980	1982
U.S. [2]	**22,207**	**20,968**	**19,571**	**28.9**	**23.2**	**21.9**
AL [3]	275	245	239	23.9	18.1	18.2
AK	67	56	59	41.2	33.1	30.4
AZ [3]	152	152	132	20.9	14.9	12.8
AR [3]	114	107	95	18.4	14.5	13.2
CA	2,694	2,693	2,495	34.5	27.3	25.4
CO	224	236	236	23.6	18.9	18.0
CT	338	287	289	27.7	18.7	18.9
DE	58	58	53	25.8	22.3	20.3
DC	191	216	199	33.0	35.1	33.4
FL [3]	427	348	359	15.6	9.7	9.6
GA [3]	249	282	279	14.4	13.1	12.7
HI	117	129	126	34.3	31.8	31.5
ID	52	56	50	19.4	17.1	16.1
IL	1,553	1,431	1,261	35.1	29.5	27.5
IN	610	627	505	31.6	29.5	25.1
IA [3]	232	238	211	23.4	21.4	20.5
KS [4]	128	121	110	16.0	12.8	12.0
KY	257	251	237	24.6	20.7	20.4
LA [5]	237	235	223	19.8	14.9	13.8
ME	74	87	76	20.7	20.7	18.5
MD	391	314	311	27.5	18.3	18.6
MA	565	515	517	24.3	19.4	19.7
MI	1,319	1,212	1,076	42.2	35.2	33.7
MN	426	431	419	29.0	24.3	24.5
MS [3]	84	78	74	12.6	9.5	9.3
MO	575	568	510	33.4	28.8	26.6
MT	76	70	59	31.8	25.0	21.7
NE [3]	107	104	98	19.3	16.6	16.3
NV [3]	99	103	90	37.4	25.8	22.1
NH	50	49	48	16.9	12.7	12.3
NJ	758	684	613	28.4	22.3	19.9
NM	62	59	61	17.0	12.6	12.8
NY	2,937	2,628	2,589	43.2	36.5	35.8
NC [3]	220	210	208	11.0	8.8	8.9
ND [3]	39	39	38	19.4	15.7	14.2
OH	1,449	1,312	1,132	36.1	30.0	27.4
OK	173	172	160	19.5	15.1	12.9
OR	262	289	264	33.9	27.6	27.5
PA	1,514	1,370	1,230	34.3	28.8	27.0
RI	90	76	76	26.3	19.1	19.4
SC [3]	66	73	68	6.8	6.2	5.8
SD [3]	28	25	24	13.3	10.7	10.3
TN [3]	324	305	292	21.7	17.5	17.3
TX [3]	705	755	782	16.0	12.9	12.5
UT [3]	99	99	94	22.4	18.0	16.8
VT	26	25	24	16.3	12.3	11.9
VA [3]	253	229	232	14.4	10.6	10.9
WA	540	543	517	44.7	33.8	32.9
WV	208	184	176	37.1	28.5	26.9
WI	527	492	457	31.5	25.4	24.5
WY [3]	33	37	34	22.6	17.5	15.6

[1] Nonagriculture employed. [2] Includes Canal Zone, Guam, Puerto Rico and Virgin Islands not shown separately. [3] Right-to-work State. [4] Right-to-work State for 1975 and 1980. [5] Right-to-work State beginning 1980.

Source: Industrial Relations Data and Information Services, West Orange, NJ, *U.S. Union Sourcebook*. (Copyright.)

No. 684. Union Members, by Selected Characteristics: 1983 and 1987

[**Annual averages of monthly data.** Covers employed wage and salary workers 16 years old and over. Excludes self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers. Based on Current Population Survey, see text, section 1 and Appendix III]

CHARACTERISTIC	EMPLOYED WAGE AND SALARY WORKERS										MEDIAN USUAL WEEKLY EARNINGS [3] (dol.)							
	Total (1,000)		Union members [1] (1,000)		Represented by unions [2] (1,000)		Percent union members		Percent represented by union		Total		Union members [1]		Represent-ed by unions [2]		Not represented by unions	
	1983	**1987**	**1983**	**1987**	**1983**	**1987**	**1983**	**1987**	**1983**	**1987**	**1983**	**1987**	**1983**	**1987**	**1983**	**1987**	**1983**	**1987**
Total	**88,290**	**99,303**	**17,717**	**16,913**	**20,532**	**19,051**	**20.1**	**17.0**	**23.3**	**19.2**	**313**	**373**	**388**	**465**	**383**	**459**	**288**	**342**
16–24 years	19,305	19,553	1,749	1,299	2,145	1,538	9.1	6.6	11.1	7.9	210	242	281	318	275	312	203	235
25–34 years	25,978	30,197	5,097	4,752	5,990	5,436	19.6	15.7	23.1	18.0	321	373	382	436	376	430	304	354
35–44 years	18,722	23,443	4,648	5,080	5,362	5,664	24.8	21.7	28.6	24.2	369	435	411	493	407	490	339	409
45–54 years	13,150	14,718	3,554	3,442	4,014	3,821	27.0	23.4	30.5	26.0	366	429	404	492	402	492	335	400
55–64 years	9,201	9,349	2,474	2,142	2,788	2,367	26.9	22.9	30.3	25.3	346	405	392	462	390	463	316	381
65 years and over	1,934	2,042	196	198	234	224	10.1	9.7	12.1	11.0	260	310	338	404	330	406	238	283
Men	47,856	52,938	11,809	11,071	13,270	12,144	24.7	20.9	27.7	22.9	378	433	416	494	414	493	349	406
Women	40,433	46,365	5,908	5,842	7,262	6,907	14.6	12.6	18.0	14.9	252	303	309	386	307	385	237	288
White	**77,046**	**85,525**	**14,844**	**13,972**	**17,182**	**15,712**	**19.3**	**16.3**	**22.3**	**18.4**	**319**	**383**	**396**	**477**	**391**	**474**	**295**	**355**
Men	42,168	46,079	10,134	9,407	11,364	10,288	24.0	20.4	26.9	22.3	367	450	423	501	421	500	352	419
Women	34,877	39,446	4,710	4,565	5,818	5,424	13.5	11.6	16.7	13.8	254	307	314	394	313	392	240	293
Black	**8,979**	**10,838**	**2,440**	**2,445**	**2,850**	**2,769**	**27.2**	**22.6**	**31.7**	**25.5**	**261**	**301**	**331**	**399**	**324**	**395**	**222**	**268**
Men	4,477	5,329	1,420	1,381	1,615	1,531	31.7	25.9	36.1	28.7	293	326	366	423	360	420	244	288
Women	4,502	5,509	1,020	1,065	1,235	1,238	22.7	19.3	27.4	22.5	231	275	292	357	287	355	209	251
Hispanic [4]	(NA)	**7,215**	(NA)	**1,234**	(NA)	**1,371**	(NA)	**17.1**	(NA)	**19.0**	(NA)	**284**	(NA)	**395**	(NA)	**392**	(NA)	**261**
Men	(NA)	4,315	(NA)	859	(NA)	938	(NA)	19.9	(NA)	21.7	(NA)	306	(NA)	418	(NA)	417	(NA)	276
Women	(NA)	2,900	(NA)	374	(NA)	434	(NA)	12.9	(NA)	15.0	(NA)	251	(NA)	311	(NA)	311	(NA)	239
Full-time workers	70,976	80,836	16,271	15,670	18,745	17,567	22.9	19.4	26.4	21.7	313	373	388	465	383	459	288	342
Part-time workers	17,314	18,467	1,446	1,243	1,787	1,484	8.4	6.7	10.3	8.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Managerial and professional specialty	19,657	23,378	3,354	3,512	4,307	4,286	17.1	15.0	21.9	18.3	437	522	423	521	421	519	446	523
Technical sales, and admin. support	28,024	31,801	3,377	3,265	4,199	3,868	12.1	10.3	15.0	12.2	261	332	350	413	341	407	270	319
Service occupations	12,875	13,876	1,971	1,953	2,306	2,187	15.3	14.1	17.9	15.8	205	234	305	375	299	370	182	209
Precision, production, craft, and repair	10,542	11,567	3,466	3,132	3,760	3,364	32.9	27.1	35.7	29.1	377	419	456	521	450	517	322	378
Operators, fabricators, and laborers	15,416	16,920	5,452	4,956	5,839	5,234	35.4	29.3	37.9	30.9	275	308	366	420	361	416	226	268
Farming, forestry, and fishing	1,775	1,763	98	96	122	113	5.5	5.4	6.9	6.4	196	217	292	373	287	369	189	210
Agricultural wage and salary workers	1,446	1,469	49	33	55	37	3.4	2.2	3.8	2.5	198	219	(B)	(B)	(B)	(B)	195	217
Private nonagri. wage and salary workers	71,225	80,993	11,933	10,826	13,369	11,850	16.8	13.4	18.8	14.6	307	362	389	458	385	452	286	339
Mining	869	782	180	143	201	153	20.7	18.3	23.1	19.5	481	514	470	532	470	528	488	506
Construction	4,109	5,052	1,131	1,060	1,207	1,123	27.5	21.0	29.4	22.2	348	397	518	594	510	585	296	351
Manufacturing	19,066	20,235	5,303	4,691	5,812	5,008	27.8	23.2	30.5	24.7	335	389	370	426	368	424	315	370
Transportation and public utilities	5,142	5,819	2,182	1,947	2,376	2,106	42.4	33.5	46.2	36.2	417	482	449	519	445	516	386	432
Wholesale and retail trade, total	18,081	20,401	1,568	1,440	1,775	1,572	8.7	7.1	9.8	7.7	252	292	353	397	348	394	242	285
Finance, insurance, and real estate	5,559	6,738	160	158	228	217	2.9	2.3	4.1	3.2	296	373	284	363	285	369	297	373
Services	18,400	21,965	1,410	1,387	1,770	1,673	7.7	6.3	9.6	7.6	272	327	303	375	303	375	268	322
Government	15,618	16,841	5,735	6,055	7,109	7,164	36.7	36.0	45.5	42.5	351	424	386	475	381	470	316	388

B Data not shown where base is less than 50,000. NA Not available. X Not applicable. [1] Members of a labor union or an employee association similar to a labor union. [2] Members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract. [3] For full-time employed wage and salary workers; 1983 revised since originally published. [4] Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January issues.

Section **14**

Income, Expenditures, and Wealth

This section presents data on gross national product (GNP), national and personal income, saving and investment, money income, poverty, and national and personal wealth. The data on income and expenditure measure two aspects of the U.S. economy. One aspect relates to the national income and product accounts (NIPA), a summation reflecting the entire complex of the Nation's economic income and output and the interaction of its major components; the other relates to the distribution of money income to families and individuals, or consumer income.

The primary source for data on GNP, national and personal income, and gross saving and investment is the *Survey of Current Business*, published monthly, with supplements, by the Department of Commerce, Bureau of Economic Analysis (BEA). A comprehensive revision to the NIPA was completed in December 1985. A discussion of the revision appears in the October 1985 and the December 1985 *Survey of Current Business*. Detailed historical data appear in *The National Income and Product Accounts of the United States, 1929-82, Statistical Tables* and the July 1986 issue of the *Survey of Current Business*; detailed data for the most recent years are normally published each July in the *Survey*.

Sources of income distribution data are the decennial censuses of population and the Current Population Survey (CPS), both products of the Bureau of the Census (see text, section 1). Annual data on income of families, individuals, and households, by income class, are presented in *Current Population Reports—Consumer Income*, series P-60.

Data on individuals' saving and assets are published by the Board of Governors of the Federal Reserve System in the quarterly *Flow of Funds Accounts;* and detailed information on personal wealth is published periodically by the Internal Revenue Service (IRS) in *SOI Bulletin*.

National income and product.—*Gross national product* (GNP) is the total national output of goods and services valued at market prices. GNP can be viewed in terms of expenditure categories which comprise purchases of goods and services by consumers and government, gross private domestic investment, and net exports of goods and services. The goods and services included are largely those bought for final use (excluding illegal transactions) in the market economy. A number of inclusions, however, represent imputed values, the most important of which is rental value of owner-occupied housing. GNP, in this broad context, measures the output attributable to the factors of production—labor and property—supplied by U.S. residents. GNP differs from "national income" mainly in that GNP includes allowances for depreciation and for indirect business taxes (sales and property taxes); see table 689.

Gross domestic product (GDP) measures the output of production attributable to all labor and property located in a country. GDP relates to the physical location of the factors of production. *Gross state product* (GSP) is the gross market value of the goods and services attributable to labor and property located in a state. It is the State counterpart of the Nation's gross domestic product.

National income is the aggregate of labor and property earnings which arises in the current production of goods and services. It is the sum of employee compensation, proprietors' income, rental income, corporate profits, and net interest. It measures the total factor costs of the goods and services produced by the economy. Income is measured before deduction of taxes on income.

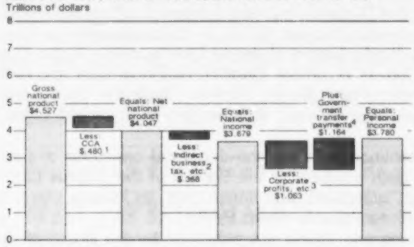
Capital consumption adjustment for corporations, nonfarm sole proprietorships, and partnerships is the difference between capital consumption claimed on income tax returns and capital consumption allowances that are measured at straightline depreciation, consistent service lives, and replacement cost. The tax return data are valued at historical costs and reflect changes over time in service lives and depreciation patterns as permitted by tax regulations. *Inventory valuation adjustment* represents the difference between the book value of inventories used up in production and the cost of replacing them.

Personal income is the current income received by persons from all sources minus their personal contributions for social insurance. Classified as "persons" are individuals (including owners of unincorporated firms), nonprofit institutions serving individuals, private trust funds, and private noninsured welfare funds. Personal income includes transfers (payments not resulting from current production) from government and business such as Social Security benefits, public assistance, etc., but excludes transfers among persons. Also included are certain nonmonetary types of income—chiefly, estimated net rental value to owner-occupants of their homes and the value of services furnished without payment by financial intermediaries and food and fuel produced and consumed on farms.

Disposable personal income is personal income less personal tax and nontax payments. It is the income available to persons for spending and saving. Personal tax and nontax payments are tax payments (net of refunds) by persons (except personal contributions for social insurance) that are not chargeable to business expense, and certain personal payments to general government that are treated like taxes. Personal taxes include income, estate and gift, and personal property taxes and motor vehicle licenses. Nontax payments include passport fees, fines and penalties, donations, and tuitions and fees paid to schools and hospitals operated mainly by government.

Figure 14.1

Relation of GNP, National Income, and Personal Income: 1987



[1] Capital consumption allowance.

[2] Also-less nontax liability; plus subsidies less current surplus of government enterprises.

[3] Also less: net interest and contributions for social insurance.

[4] Also less: Personal interest and personal dividend income, and business transfer payments

Source: Chart prepared by U.S. Bureau of the Census. For data see table 689.

Consumer Expenditure Survey.—The Consumer Expenditure Survey program was begun in late 1979. The principal objective of the survey is to collect current consumer expenditure data which provide a continuous flow of data on the buying habits of American consumers. The data are necessary for future revisions of the Consumer Price Index.

The survey conducted by the Bureau of the Census for the Bureau of Labor Statistics, consists of two components: (1) An interview panel survey in which the expenditures of consumer units are obtained in five interviews conducted every 3 months; and (2) a diary or recordkeeping survey completed by participating households for two consecutive 1-week periods.

Each component of the survey queries an independent sample of consumer units representative of the U.S. urban population. Over 52 weeks of the year, 5,000 consumer units are sampled for the diary survey. Each consumer unit keeps a diary for two 1-week periods yielding approximately 10,000 diaries a year. The interview sample is selected on a rotating panel basis, targeted at 5,000 consumer units per quarter. Data are collected in 85 urban areas of the country that are representative of the U.S. urban population. The survey includes students in student housing.

The Diary survey is designed to obtain expenditures on small, frequently purchased items which are normally difficult for respondents to recall. Detailed records of expenses are kept for food and beverages, both at home and in eating places, tobacco, housekeeping supplies, nonprescription drugs, and personal care products and services.

The Interview survey is designed to obtain data on the types of expenditures which respondents can be expected to recall for a period of 3 months or longer. In general, these include relatively large expenditures, such as those for property, automobiles, and major appliances, or expenditures which occur on a fairly regular basis, such as rent, utilities, or insurance premiums. Including "global estimates" for food, it is estimated that about 95 percent of expenditures are covered in the interview. Excluded are nonprescription drugs, household supplies, and personal care items. The interview survey also provides data on expenditures incurred while on trips. Both surveys exclude all business related expenditures for which the family is reimbursed.

Distribution of money income to families and individuals.—Money income statistics are based on data collected in various field surveys of income conducted since 1936. Since 1947, the Bureau of the Census has collected the data on an annual basis and published them in *Current*

Population Reports, series P-60. In each of the surveys, enumerators interview representative samples of the population with respect to income received during the previous year. Money income as defined by the Bureau of the Census differs from the BEA concept of "personal income."

Data on consumer income collected in the CPS by the Bureau of the Census cover money income received (exclusive of certain money receipts such as capital gains) before payments for personal income taxes, Social Security, union dues, Medicare deductions, etc. Therefore, money income does not reflect the fact that some families receive part of their income in the form of noncash benefits (see section 12) such as food stamps, health benefits, and subsidized housing; that some farm families receive noncash benefits in the form of rent-free housing and goods produced and consumed on the farm; or that noncash benefits are also received by some nonfarm residents which often take the form of the use of business transportation and facilities, full or partial payments by business for retirement programs, medical and educational expenses, etc. These elements should be considered when comparing income levels. For data on noncash benefits, see section 12. None of the aggregate income concepts (GNP, national income, or personal income) is exactly comparable with money income, although personal income is the closest.

Several changes were made in the collection and presentation of data from the March 1980 CPS. The changes include (1) the use of a more detailed income questionnaire for all sample households, (2) the use of an expanded sample, (3) the implementation of the "householder" concept rather than the traditional "head" concept, (4) the exclusion of a small number of "secondary families" from the count of all families, (5) the use of more detailed income intervals in the upper range of the income distribution, (6) the introduction of the new farm definition, and (7) the restriction of the population with income to persons 15 years old and over. For more information on the impact and comparability, see the source.

Beginning in the March 1981 Current Population Survey, 1980 census population controls were used; for income years 1971 through 1979, 1970 census population controls had been used. This change had little impact on income summary measures (means and medians) and proportional measures (percent distributions and poverty rates); however, use of the controls may have significant impact on the absolute numbers.

Income and poverty data for 1986 are the first estimates based entirely on households selected from the 1980 census-based sample design. Estimates by type of residence categories such as metropolitan, nonmetropolitan, farm, and nonfarm reflect metropolitan areas defined as of June 1984. In addition, the March 1987 CPS income supplement was revised to allow for the coding of larger earnings amounts on the questionnaire. A description of this change and its effect on estimates in this report can be found in *Current Population Reports,* series P-60, No. 157.

In October 1983, the Census Bureau began to collect data under the new Survey of Income and Program Participation (SIPP). The information supplied by this survey is expected to provide better measures of the status and changes in income distribution and poverty of households and persons n the United States. The data collected in SIPP will be used to study Federal and State aid programs (such as food stamps, welfare, Medicaid, and subsidized housing), to estimate program costs and coverage, and to assess the effects of proposed changes in program eligibility rules or enefit levels. The core questions are repeated at each interview and cover labor force activity, the ypes and amounts of income received, and participation status in various programs. The core also ontains questions covering attendance in postsecondary schools and private health insurance cov- rage. Various supplements or topical modules covering areas such as educational attainment, ssets and liabilities, and pension plan coverage are periodically included.

Poverty.—Families and unrelated individuals are classified as being above or below the poverty vel using the poverty index originated at the Social Security Administration in 1964 and revised by ederal Interagency Committees in 1969 and 1980. The poverty index is based solely on money come and does not reflect the fact that many low-income persons receive noncash benefits such s food stamps, medicaid, and public housing. The index is based on the Department of Agricul- re's 1961 economy food plan and reflects the different consumption requirements of families ased on their size and composition. The poverty thresholds are updated every year to reflect hanges in the Consumer Price Index. The following technical changes to the thresholds were ade in 1981: (1) distinctions based on sex of householder have been eliminated; (2) separate resholds for farm families have been dropped; and (3) the matrix has been expanded to families nine or more persons from the old cutoff of seven or more persons. These changes have been corporated in the calculation of poverty data beginning with 1981. The table on page 420 shows the average thresholds used for selected years between 1970 and 1987. See *Current Population Reports,* series P-60, Nos. 138, 149, 152, 157, and 160 for more details.

WEIGHTED AVERAGE POVERTY LEVELS BASED ON MONEY INCOME FOR FAMILIES AND UNRELATED INDIVIDUALS: 1970 TO 1987

SIZE OF UNIT	1970 [1]	1975 [1]	1980 [1]	1981	1982	1983	1984	1985	1986	1987
1 person (unrelated individual)	$1,954	$2,724	$4,190	$4,620	$4,901	$5,061	$5,278	$5,469	$5,572	$5,778
Under 65 years	2,010	2,797	4,290	4,729	5,019	5,180	5,400	5,593	5,701	5,909
65 years and over	1,861	2,581	3,949	4,359	4,626	4,775	4,979	5,156	5,255	5,447
2 persons	2,525	3,506	5,363	5,917	6,281	6,483	6,762	6,998	7,138	7,397
Householder under 65 years	2,604	3,617	5,537	6,111	6,487	6,697	6,983	7,231	7,372	7,641
Householder 65 years and over	2,348	3,257	4,983	5,498	5,836	6,023	6,282	6,503	6,630	6,872
3 persons	3,099	4,293	6,565	7,250	7,693	7,938	8,277	8,573	8,737	9,056
4 persons	3,968	5,500	8,414	9,287	9,862	10,178	10,609	10,989	11,203	11,611
5 persons	4,680	6,499	9,966	11,007	11,684	12,049	12,566	13,007	13,259	13,737
6 persons	5,260	7,316	11,269	12,449	13,207	13,630	14,207	14,696	14,986	15,509
7 or more persons	6,468	9,022	13,955	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
7 persons	(NA)	(NA)	(NA)	14,110	15,036	15,500	16,096	16,656	17,049	17,649
8 persons	(NA)	(NA)	(NA)	15,655	16,719	17,170	17,961	18,512	18,791	19,515
9 or more persons	(NA)	(NA)	(NA)	18,572	19,698	20,310	21,247	22,083	22,497	23,105

NA Not available. [1] Poverty levels for nonfarm families.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-60, No. 161.

The poverty statistics generated by the Congressional Budget Office in table 741 reflect alternative adjustments for inflation. The study used a variation of the Consumer Price Index to adjust poverty thresholds for the effects of changing prices since 1967. The alternative measure of inflation uses estimates of the cost of renting equivalent housing to assess homeownership costs; this methodology has been used in the official Consumer Price Index since 1983. See text, section 15, and source for more details.

ADJUSTED POVERTY THRESHOLDS, WEIGHTED AVERAGE BY FAMILY SIZE: 1970 TO 1986

[Adjustments for inflation using the CPI-X1 have been made]

SIZE OF UNIT	1970	1975	1980	1981	1982	1983	1984	1985	1986
1 person (unrelated individual)	1,908	2,612	3,843	4,204	4,458	4,604	4,801	4,974	5,089
Under 65 years	1,963	2,682	3,935	4,304	4,566	4,713	4,912	5,088	5,186
65 years and over	1,818	2,475	3,623	3,967	4,208	4,345	4,529	4,690	4,780
2 persons	2,466	3,362	4,920	5,385	5,714	5,899	6,151	6,366	6,483
Householder under 65 years	2,544	3,469	5,079	5,561	5,901	6,093	6,352	6,578	6,706
Householder 65 years and over	2,293	3,124	4,571	5,004	5,309	5,480	5,715	5,916	6,031
3 persons	3,027	4,117	6,022	6,598	6,998	7,222	7,529	7,799	7,949
4 persons	3,876	5,275	7,719	8,452	8,972	9,260	9,651	9,997	10,181
5 persons	4,571	6,233	9,142	10,017	10,629	10,963	11,431	11,832	12,061
6 persons	5,138	7,016	10,338	11,329	12,015	12,401	12,924	13,369	13,633
7 or more persons	6,318	8,853	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
7 persons	(NA)	(NA)	11,706	12,841	13,679	14,103	14,642	15,152	15,509
8 persons	(NA)	(NA)	13,025	14,247	15,210	15,622	16,339	16,840	17,094
9 or more persons	(NA)	(NA)	15,499	16,902	17,920	18,479	19,328	20,089	20,465

NA Not available.

Source: Congressional Budget Office, *Trends in Family income: 1970-1986,* February 1988.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

No. 685. GNP in Current and Constant (1982) Dollars: 1929 to 1987

[In billions of dollars]

ITEM	1929	1935	1940	1945	1950	1955	1960	1965	1970
CURRENT DOLLARS									
Gross national product (GNP)	103.9	72.8	100.4	213.4	288.3	405.9	515.3	705.1	1,015.5
Personal consumption expenditures	77.3	55.8	71.0	119.6	192.1	257.9	330.7	440.7	640.0
Durable goods	9.2	5.1	7.8	8.0	30.8	38.9	43.5	63.5	85.7
Nondurable goods	37.7	29.3	37.0	71.9	98.2	124.7	153.2	191.9	270.3
Services	30.4	21.3	26.2	39.7	63.2	94.3	134.0	185.4	284.0
Gross private domestic investment	16.7	6.6	13.4	11.3	55.1	69.7	78.2	116.2	148.8
Fixed investment	14.9	5.6	11.2	12.3	48.3	64.0	75.1	106.2	145.7
Nonresidential	11.0	4.3	7.7	10.6	27.8	39.0	48.8	73.1	105.2
Residential	4.0	1.3	3.5	1.7	20.5	25.0	26.3	33.1	40.5
Change in business inventories	1.7	1.1	2.2	-1.0	6.8	5.7	3.1	9.9	3.1
Net exports of goods and services	1.1	.1	1.8	-.5	2.2	3.0	5.9	9.7	8.5
Exports	7.1	3.3	5.4	7.4	14.5	21.1	29.9	42.9	68.9
Imports	5.9	3.2	3.7	7.9	12.3	18.1	24.0	33.2	60.5
Government purchases [1]	8.9	10.2	14.2	83.0	38.8	75.3	100.6	138.6	218.2
Federal	1.5	3.1	6.1	74.8	19.1	44.9	54.4	68.7	98.8
National defense	(NA)	(NA)	2.3	73.7	14.3	39.0	45.3	51.0	76.8
State and local	7.4	7.2	8.1	8.2	19.8	30.3	46.1	69.9	119.4
CONSTANT (1982) DOLLARS									
Gross national product (GNP)	709.6	580.2	772.9	1,354.8	1,203.7	1,494.9	1,665.3	2,087.6	2,416.2
Personal consumption expenditures	471.4	412.1	502.6	592.7	733.2	873.8	1,005.1	1,236.4	1,492.0
Durable goods	40.3	28.9	40.6	28.7	80.7	96.9	98.0	134.6	162.5
Nondurable goods	211.4	201.5	259.4	323.5	352.8	413.2	463.3	543.2	632.5
Services	219.7	181.7	202.7	240.5	299.8	363.6	443.9	558.5	697.0
Gross private domestic investment	139.2	60.9	111.8	76.5	234.9	259.8	260.5	367.0	381.5
Fixed investment	128.4	54.7	97.4	84.9	210.8	243.5	252.7	341.8	373.3
Nonresidential	93.0	40.0	65.0	74.2	124.0	151.0	159.4	227.6	264.0
Residential	35.4	14.7	32.5	10.7	86.7	92.4	93.3	114.2	109.3
Change in business inventories	10.8	6.2	14.4	-8.4	24.2	16.3	7.7	25.2	8.2
Net exports of goods and services	4.7	-5.9	8.2	-18.9	4.7	-	-4.0	-2.7	-30.0
Exports	42.1	26.6	40.0	35.2	59.2	76.9	98.4	132.0	178.3
Imports	37.4	32.5	31.7	54.1	54.6	76.9	102.4	134.7	208.3
Government purchases [1]	94.2	113.0	150.2	704.5	230.8	361.3	403.7	487.0	572.6
Federal	18.3	34.1	63.6	634.0	116.7	217.9	220.6	244.4	268.3
National defense	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State and local	75.9	79.0	86.6	70.5	114.2	143.4	183.1	242.5	304.3

ITEM	1975	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS									
Gross national product (GNP)	1,598.4	2,732.0	3,052.6	3,166.0	3,405.7	3,772.2	4,014.9	4,240.3	4,526.7
ersonal consumption expenditures	1,012.8	1,732.6	1,915.1	2,050.7	2,234.5	2,430.5	2,629.0	2,807.5	3,012.1
Durable goods	135.4	219.3	239.9	252.7	289.1	335.5	372.2	406.5	421.9
Nondurable goods	416.2	681.4	740.6	771.0	816.7	867.3	911.2	943.6	997.9
Services	461.2	831.9	934.7	1,027.0	1,128.7	1,227.6	1,345.6	1,457.3	1,592.3
ross private domestic investment	219.6	437.0	515.5	447.3	502.3	664.8	643.1	665.9	712.9
Fixed investment	225.2	445.3	491.5	471.8	509.4	597.1	631.8	650.4	673.7
Nonresidential	162.9	322.8	369.2	366.7	356.9	416.0	442.9	433.9	446.8
Residential	62.3	122.5	122.3	105.1	152.5	181.1	188.8	216.6	226.9
Change in business inventories	-5.6	-8.3	24.0	-24.5	-7.1	67.7	11.3	15.5	39.2
et exports of goods and services	31.1	32.1	33.9	26.3	-6.1	-58.9	-78.0	-104.4	-123.0
Exports	161.3	351.0	382.8	361.9	352.5	383.5	370.9	378.4	428.0
Imports	130.3	318.9	348.9	335.6	358.7	442.4	448.9	482.8	551.1
overnment purchases [1]	335.0	530.3	588.1	641.7	675.0	735.9	820.8	871.2	924.7
Federal	129.2	208.1	242.2	272.7	283.5	310.5	355.2	366.2	382.0
National defense	89.6	142.7	167.5	193.8	214.4	234.3	259.1	277.5	295.3
State and local	205.9	322.2	345.9	369.0	391.5	425.3	465.6	505.0	542.8
CONSTANT (1982) DOLLARS									
Gross national product (GNP)	2,695.0	3,187.1	3,248.8	3,166.0	3,279.1	3,501.4	3,618.7	3,721.7	3,847.0
rsonal consumption expenditures	1,711.9	2,000.4	2,024.2	2,050.7	2,146.0	2,249.3	2,354.8	2,455.2	2,521.0
Durable goods	205.6	245.9	250.8	252.7	283.1	323.1	355.1	385.0	390.9
Nondurable goods	676.5	762.6	764.4	771.0	800.2	825.9	847.4	879.5	890.5
Services	829.8	991.9	1,009.0	1,027.0	1,062.7	1,100.3	1,152.3	1,190.7	1,239.5
oss private domestic investment	383.3	509.3	545.5	447.3	504.0	658.4	637.0	643.5	674.8
Fixed investment	396.1	516.2	521.7	471.8	510.4	596.1	627.9	628.1	640.4
Nonresidential	281.2	379.2	395.2	366.7	361.2	425.2	453.5	433.1	445.1
Residential	114.9	137.0	126.5	105.1	149.3	170.9	174.4	195.0	195.2
hange in business inventories	-12.8	-6.9	23.9	-24.5	-6.4	62.3	9.1	15.4	34.4
t exports of goods and services	18.9	57.0	49.4	26.3	-19.9	-84.0	-104.3	-137.5	-128.9
Exports	259.7	388.9	392.7	361.9	348.1	371.8	367.2	378.4	427.8
Imports	240.8	332.0	343.4	335.6	368.1	455.8	471.4	515.9	556.7
vernment purchases [1]	580.9	620.5	629.7	641.7	649.0	677.7	731.2	760.5	780.2
Federal	226.3	246.9	259.6	272.7	275.1	290.8	326.0	333.4	339.0
National defense	161.1	171.2	180.3	193.8	206.9	218.5	237.2	251.4	264.9
State and local	354.6	373.6	370.1	369.0	373.9	387.0	405.2	427.1	441.2

- Represents zero. NA Not available. [1] Purchases of goods and services.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–1982,* and *urvey of Current Business,* July issues.

No. 686. Gross National Product, by Industry, in Current and Constant (1982) Dollars: 1980 to 1987

[In billions of dollars, except percent. Data include non-factor charges (capital consumption allowances and indirect business taxes, etc.) as well as factor charges against gross product; corporate profits and capital consumption allowances have been shifted from a company to an establishment basis]

INDUSTRY	CURRENT DOLLARS			CONSTANT (1982) DOLLARS						
								Average annual percent change		
	1980	1986	1987	1980	1985	1986	1987	1980-1985	1985-1986	1986-1987
Gross national product	**2,732.0**	**4,240.3**	**4,526.7**	**3,187.1**	**3,618.7**	**3,721.7**	**3,847.0**	**2.6**	**2.8**	**3.4**
Domestic industries (gross domestic product)	**2,684.4**	**4,205.4**	**4,497.2**	**3,131.7**	**3,581.9**	**3,690.9**	**3,821.4**	**2.7**	**3.0**	**3.5**
Private industries	**2,357.3**	**3,715.6**	**3,970.0**	**2,739.5**	**3,183.1**	**3,281.6**	**3,408.5**	**3.0**	**3.1**	**3.9**
Agriculture, forestry, and fisheries	77.2	92.6	94.9	76.2	93.8	97.2	96.1	4.2	3.6	-1.1
Farms	65.5	75.4	75.9	64.2	79.4	83.7	82.5	4.3	5.4	-1.4
Mining	107.3	82.1	85.4	135.6	130.1	115.7	117.5	-.8	-11.1	1.6
Construction	137.7	204.0	218.5	161.6	165.4	173.1	175.8	.5	4.7	1.6
Manufacturing [1]	581.0	820.1	853.6	665.4	786.8	804.6	839.5	3.4	2.3	4.3
Durable goods [1]	351.8	466.1	480.0	401.5	493.7	505.0	525.2	4.2	2.3	4.0
Lumber and wood products	18.7	24.7	27.7	20.4	20.1	21.5	23.5	-.3	7.0	9.3
Furniture and fixtures	8.6	14.0	15.0	10.2	12.2	11.9	12.5	3.6	-2.5	5.0
Stone, clay, and glass products	19.0	25.9	27.5	21.1	22.6	22.2	23.1	1.4	-1.8	4.1
Primary metal industries	44.3	33.7	36.4	46.4	34.2	34.3	34.3	-5.9	.3	-
Fabricated metal products	46.0	59.1	60.3	52.5	56.8	56.7	58.5	1.6	-.2	3.2
Machinery, except electrical	76.9	80.7	81.2	84.6	134.5	147.0	160.7	9.7	9.3	9.3
Electric and electronic equipment	55.0	83.6	85.0	62.7	79.7	80.3	82.5	4.9	.8	2.7
Motor vehicles and equipment	26.7	51.4	49.9	33.7	50.9	44.9	40.3	8.6	-11.8	-10.2
Other transportation equipment	28.2	53.0	56.0	38.1	43.8	47.4	50.2	2.8	8.2	5.9
Instruments and related products	19.0	26.7	27.0	21.8	24.7	25.2	25.3	2.5	2.0	.4
Nondurable goods [1]	229.2	354.1	373.6	263.9	293.0	299.7	314.3	2.1	2.3	4.9
Food and kindred products	52.2	71.6	74.0	56.7	63.1	61.6	63.7	2.2	-2.4	3.4
Tobacco manufactures	7.3	13.8	15.5	9.5	6.9	6.9	7.2	-6.2	-	4.3
Textile mill products	15.0	19.2	20.0	16.1	16.3	17.5	17.8	.2	7.4	1.7
Apparel and other textile products	17.1	21.0	22.5	20.1	19.9	19.8	21.4	-.2	-.5	8.1
Paper and allied products	23.1	35.2	39.5	24.6	30.2	31.3	33.0	4.2	3.6	5.4
Printing and publishing	31.6	55.1	58.2	36.9	43.0	42.3	42.6	3.1	-1.6	.7
Chemicals and allied products	45.5	70.1	77.1	50.1	59.1	64.1	68.8	3.4	8.5	7.3
Petroleum and coal products	16.8	37.0	33.6	26.7	24.9	26.3	26.6	-1.4	5.6	1.1
Rubber and misc. plastic products	16.8	28.1	30.0	18.9	26.2	26.8	29.8	6.8	2.3	11.2
Leather and leather products	3.9	3.0	3.3	4.3	3.4	3.0	3.3	-4.6	-11.8	10.0
Transportation and public utilities	240.8	393.5	408.2	293.4	326.0	331.6	349.5	2.1	1.7	5.4
Transportation	105.8	144.5	150.8	129.5	125.4	129.0	136.0	-.6	2.9	5.4
Railroad transportation	20.8	20.8	19.6	27.2	19.3	18.2	16.9	-6.6	-5.7	-7.1
Local and interurban passenger transit	5.4	8.0	8.1	7.0	6.3	6.4	6.6	-2.1	1.6	3.1
Trucking and warehousing	44.0	61.1	64.2	51.5	52.6	54.4	60.2	.4	3.4	10.7
Water transportation	7.1	7.7	7.5	8.3	7.8	8.0	7.9	-1.2	2.6	-1.2
Transportation by air	18.1	29.7	34.2	23.1	24.4	26.6	28.4	1.1	9.0	6.8
Pipelines, except natural gas	4.7	5.9	5.3	5.1	4.9	5.0	5.1	-.8	2.0	2.0
Transportation services	5.8	11.3	12.0	7.2	10.0	10.3	10.9	6.8	3.0	5.8
Communications	66.6	115.6	121.0	78.4	95.2	99.2	107.6	4.0	4.2	8.5
Telephone and telegraph	60.2	103.2	108.3	71.1	85.8	89.3	97.6	3.8	4.1	9.3
Radio and television broadcasting	6.3	12.4	12.7	7.3	9.4	9.9	10.1	5.2	5.3	2.0
Electric, gas, and sanitary services	68.4	133.3	136.4	85.5	105.3	103.4	105.9	4.3	-1.8	2.4
Wholesale trade	193.9	294.8	313.0	213.5	268.5	282.7	291.7	4.7	5.3	3.2
Retail trade	245.0	403.6	427.4	286.9	341.8	360.2	368.3	3.6	5.4	2.2
Finance, insurance, and real estate	400.6	708.6	775.4	464.3	524.3	537.6	559.4	2.5	2.5	4.1
Banking	51.1	80.6	84.9	56.7	61.9	62.9	63.2	1.8	1.6	.5
Credit agencies other than banks	5.5	16.4	17.0	5.2	7.0	7.8	8.3	6.1	11.4	6.4
Security and commodity brokers, and services	9.7	31.6	36.7	10.7	16.9	18.6	21.3	9.6	10.1	14.5
Insurance carriers	37.0	61.1	72.7	28.6	33.5	35.8	37.0	3.2	6.9	3.4
Insurance agents and brokers, and services	14.4	25.5	28.7	17.3	20.0	21.9	23.9	2.9	9.5	9.1
Real estate	281.5	479.4	519.3	339.6	376.0	380.8	394.8	2.1	1.3	3.7
Holding and other investment companies	1.3	14.0	16.2	6.3	9.0	9.8	10.9	7.4	8.9	11.2
Services [1]	374.0	716.3	793.5	442.6	546.4	578.9	610.8	4.3	5.9	5.5
Hotels and other lodging places	18.9	32.7	35.8	22.6	23.5	23.4	24.3	.8	-.4	3.8
Personal services	18.8	32.2	34.4	22.2	25.4	26.4	27.1	2.7	3.9	2.7
Business services	68.8	161.6	179.3	84.0	120.8	129.8	139.7	7.5	7.5	7.6
Auto repair, services, and garages	21.1	36.1	38.9	24.4	30.1	31.7	32.9	4.3	5.3	3.8
Motion pictures	5.0	9.5	10.7	5.7	7.5	7.7	7.6	5.6	2.7	-1.3
Amusement and recreation services	12.4	21.8	24.0	13.7	17.9	18.9	20.3	5.5	5.6	7.4
Health services	108.1	199.1	223.7	129.4	158.9	165.7	176.9	4.2	4.3	6.8
Legal services	23.3	53.7	62.3	28.9	35.0	36.3	37.9	3.9	3.7	4.4
Educational services	16.0	27.2	29.6	18.1	21.5	21.6	22.4	3.5	.5	3.7
Social services and membership organizations	26.3	41.7	45.3	30.2	33.3	34.7	35.9	2.0	4.2	3.5
Miscellaneous professional services	39.6	78.3	86.4	47.1	53.6	63.8	66.7	2.6	19.0	4.5
Private households	6.6	9.1	9.2	7.4	8.8	8.8	8.8	3.5	-	-
Government and government enterprises	**322.1**	**503.4**	**535.3**	**382.7**	**400.8**	**407.9**	**415.7**	**.9**	**1.8**	**1.9**
Federal	114.7	173.8	181.3	138.3	148.5	147.1	148.8	1.2	.4	1.2
State and local	207.4	329.6	354.0	244.4	254.4	260.8	266.9	.8	2.5	2.3
Statistical discrepancy	4.9	-13.6	-8.1	5.9	-4.3	-12.1	-7.0	(NS)	(NS)	(NS)
Rest of the world	**47.6**	**34.9**	**29.5**	**55.5**	**36.9**	**30.9**	**25.6**	**-7.8**	**-16.3**	**-17.2**

- Represents zero. NS Not significant. [1] Includes items not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82,* and *Survey of Current Business,* July issues.

No. 687. GNP Components—Average Annual Percent Change in Current and Constant (1982) Dollars: 1960 to 1987

[In percent. GNP=Gross national product. Minus sign (–) indicates decrease. For implicit price deflators and fixed-weighted price indexes, see tables 751 and 752]

ITEM	1960–1970	1970–1975	1975–1980	1980–1981	1981–1982	1982–1983	1983–1984	1984–1985	1985–1986	1986–1987
CURRENT DOLLARS										
Gross national product	**7.0**	**9.5**	**11.3**	**11.7**	**3.7**	**7.6**	**10.8**	**6.4**	**5.6**	**6.8**
Personal consumption expenditures	**6.8**	**9.6**	**11.3**	**10.5**	**7.1**	**9.0**	**8.8**	**8.2**	**6.8**	**7.3**
Durable goods	7.0	9.6	10.1	9.4	5.3	14.4	16.0	10.9	9.2	3.8
Nondurable goods	5.8	9.0	10.4	8.7	4.1	5.9	6.2	5.1	3.6	5.8
Services	7.8	10.2	12.5	12.4	9.9	9.9	8.8	9.6	8.3	9.3
Gross private domestic investment	**6.6**	**8.1**	**14.8**	**18.0**	**-13.2**	**12.3**	**32.4**	**-3.3**	**3.5**	**7.1**
Fixed investment	6.9	9.1	14.6	10.4	-4.0	8.0	17.2	5.8	2.9	3.6
Nonresidential	8.0	9.1	14.7	14.4	-.7	-2.7	16.6	6.5	-2.0	3.0
Residential	4.4	9.0	14.5	-.2	-14.1	45.1	18.8	4.3	14.7	4.8
Exports of goods and services	**8.7**	**18.5**	**16.8**	**9.1**	**-5.5**	**-2.6**	**8.8**	**-3.3**	**2.6**	**13.1**
Imports of goods and services	**9.7**	**16.6**	**19.6**	**9.4**	**-3.8**	**6.9**	**23.3**	**1.5**	**7.6**	**14.1**
Government purchases of goods and services	**8.1**	**9.0**	**9.6**	**10.9**	**9.1**	**5.2**	**9.0**	**11.5**	**6.1**	**6.1**
Federal	6.1	5.5	10.0	16.4	12.6	4.0	9.5	14.4	3.1	4.3
State and local	10.0	11.5	9.4	7.4	6.7	6.1	8.6	9.5	8.5	7.5
CONSTANT (1982) DOLLARS										
Gross national product	**3.8**	**2.2**	**3.4**	**1.9**	**-2.5**	**3.6**	**6.8**	**3.4**	**2.8**	**3.4**
Personal consumption expenditures	**4.0**	**2.8**	**3.2**	**1.2**	**1.3**	**4.6**	**4.8**	**4.7**	**4.3**	**2.7**
Durable goods	5.2	4.8	3.6	2.0	.8	12.0	14.1	9.9	8.4	1.5
Nondurable goods	3.2	1.4	2.4	.2	.9	3.8	3.2	2.6	3.8	1.3
Services	4.6	3.5	3.6	1.7	1.8	3.5	3.5	4.7	3.3	4.1
Gross private domestic investment	**3.9**	**.1**	**5.8**	**7.1**	**-18.0**	**12.7**	**30.6**	**-3.3**	**1.0**	**4.9**
Fixed investment	4.0	1.2	5.4	1.1	-9.6	8.2	16.8	5.3	-	2.0
Nonresidential	5.2	1.3	6.2	4.2	-7.2	-1.5	17.7	6.7	-4.5	2.8
Residential	1.6	1.0	3.6	-7.7	-16.9	42.1	14.5	2.0	11.8	.1
Exports of goods and services	**6.1**	**7.8**	**8.4**	**1.0**	**-7.8**	**-3.8**	**6.8**	**-1.2**	**3.1**	**13.1**
Imports of goods and services	**7.4**	**2.9**	**6.6**	**3.4**	**-2.3**	**9.7**	**23.8**	**3.4**	**9.4**	**7.9**
Government purchases of goods and services	**3.6**	**.3**	**1.3**	**1.5**	**1.9**	**1.1**	**4.4**	**7.9**	**4.0**	**2.6**
Federal	2.0	-3.3	1.8	5.1	5.0	.9	5.7	12.1	2.3	1.7
State and local	5.2	3.1	1.0	-.9	-.3	1.3	3.5	4.7	5.4	3.3

- Represents zero.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July issues.

No. 688. Gross National Product—Summary: 1970 to 1987

[In billions of dollars]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Gross national product	**1,015.5**	**1,598.4**	**2,732.0**	**3,052.6**	**3,166.0**	**3,405.7**	**3,772.2**	**4,014.9**	**4,240.3**	**4,526.7**
BY MAJOR TYPE OF PRODUCT										
Goods	467.8	714.7	1,174.9	1,322.9	1,319.1	1,396.1	1,581.4	1,641.2	1,697.9	1,792.5
Services	441.1	725.2	1,265.0	1,415.4	1,547.5	1,682.5	1,813.9	1,968.3	2,118.4	2,295.7
Structures	106.5	158.5	292.0	314.4	299.4	327.1	377.0	405.4	424.0	438.4
BY SECTOR										
Business	856.3	1,341.2	2,306.8	2,582.8	2,658.2	2,866.6	3,201.5	3,412.8	3,608.9	3,855.5
Households and institutions	32.4	52.0	89.3	101.0	112.7	122.9	132.7	142.3	153.1	168.9
Government	119.5	187.7	288.3	316.7	343.9	366.4	390.6	419.0	443.4	472.7
Rest of the world	7.3	17.5	47.6	52.1	51.2	49.9	47.4	40.7	34.9	29.5

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July issues.

No. 689. Relation of GNP, Net National Product, National Income, Personal Income, Disposable Personal Income and Personal Saving: 1970 to 1987

[In billions of dollars. For definitions, see text, section 14]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986	1987
Gross national product	1,015.5	1,598.4	2,732.0	3,166.0	3,405.7	3,772.2	4,014.9	4,240.3	4,526.7
Less: Capital consumption allowances [1]	88.8	161.8	303.8	383.2	396.6	415.5	437.2	455.9	480.0
Equals: Net national product [1]	926.6	1,436.6	2,428.1	2,782.8	3,009.1	3,356.8	3,577.6	3,784.4	4,046.7
Less: Indirect business tax and nontax liability	94.0	140.0	213.3	258.8	282.6	313.9	333.6	348.4	366.3
Plus: Subsidies [3]	2.9	2.4	5.7	8.7	14.1	9.9	7.2	12.6	18.3
Equals: National income [2]	832.6	1,289.1	2,203.5	2,518.4	2,719.5	3,028.6	3,234.9	3,437.1	3,678.7
Less: Corporate profits [4]	74.7	117.6	177.2	150.0	213.7	266.9	282.3	298.9	310.4
Net interest	41.2	63.6	200.9	272.3	281.0	304.8	319.0	331.9	336.6
Contributions for social insurance	62.2	118.5	216.5	269.6	291.0	324.9	354.1	378.1	399.1
Plus: Government transfer payments to persons	81.8	185.7	312.6	398.2	425.6	437.9	467.8	496.0	520.6
Personal interest income	69.3	122.5	271.9	369.7	393.1	444.7	476.0	499.1	527.0
Personal dividend income	22.2	28.7	52.9	63.9	68.7	75.5	78.7	82.8	88.6
Business transfer payments	4.1	7.4	12.1	14.3	16.0	18.7	22.0	25.1	28.1
Equals: Personal income	831.8	1,313.4	2,258.5	2,670.8	2,838.6	3,108.7	3,325.3	3,531.1	3,780.0
Less: Personal tax and nontax payments	116.2	170.6	340.5	409.3	410.5	440.2	486.6	511.4	570.3
Equals: Disposable personal income	715.6	1,142.8	1,918.0	2,261.4	2,428.1	2,668.6	2,838.7	3,019.6	3,209.7
Less: Personal outlays	657.9	1,038.2	1,781.1	2,107.5	2,297.4	2,504.5	2,713.3	2,898.0	3,105.5
Equals: Personal saving	57.7	104.6	136.9	153.9	130.6	164.1	125.4	121.7	104.2

[1] With capital consumption adjustment. [2] Includes items not shown separately. [3] Less current surplus of government enterprises. [4] With inventory valuation and capital consumption adjustments.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82,* and *Survey of Current Business,* July issues.

No. 690. Selected Per Capita Income and Product Items: 1929 to 1987

[Based on Bureau of the Census estimated total population including Armed Forces abroad; based on quarterly averages. Prior to 1960, excludes Alaska and Hawaii]

YEAR	CURRENT DOLLARS				CONSTANT (1982) DOLLARS		
	Gross national product	Personal income	Disposable personal income	Personal consumption expenditures	Gross national product	Disposable personal income	Personal consumption expenditures
1929	853	692	671	634	5,822	4,091	3,868
1930	740	613	593	568	5,218	3,727	3,588
1940	760	597	576	538	5,850	4,017	3,684
1945	1,525	1,215	1,066	855	9,682	6,285	4,238
1950	1,900	1,504	1,368	1,267	7,935	5,220	4,694
1955	2,456	1,881	1,667	1,560	9,045	5,714	5,287
1960	2,851	2,266	1,966	1,829	9,213	6,036	5,561
1965	3,628	2,840	2,505	2,284	10,741	7,027	6,362
1970	4,951	4,056	3,489	3,121	11,781	8,134	7,275
1971	5,309	4,305	3,740	3,330	11,964	8,322	7,400
1972	5,777	4,676	4,000	3,609	12,426	8,562	7,726
1973	6,414	5,196	4,481	3,950	12,948	9,042	7,972
1974	6,886	5,657	4,856	4,285	12,760	8,867	7,826
1975	7,401	6,081	5,291	4,689	12,470	8,944	7,926
1976	8,175	6,655	5,744	5,178	12,961	9,175	8,272
1977	9,036	7,297	6,262	5,707	13,431	9,381	8,551
1978	10,105	8,141	6,968	6,304	13,963	9,735	8,808
1979	11,142	9,036	7,682	6,980	14,162	9,829	8,884
1980	11,996	9,916	8,421	7,607	13,994	9,722	8,783
1981	13,262	10,952	9,243	8,320	14,114	9,769	8,794
1982	13,614	11,485	9,724	8,818	13,614	9,725	8,818
1983	14,503	12,098	10,340	9,516	13,964	9,930	9,138
1984	15,913	13,114	11,257	10,253	14,771	10,419	9,489
1985	16,776	13,895	11,861	10,985	15,121	10,675	9,840
1986	17,547	14,612	12,496	11,618	15,401	10,829	10,160
1987	18,556	15,495	13,157	12,347	15,770	11,012	10,304

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82,* and *Survey of Current Business,* July issues.

NO. 691. NATIONAL INCOME, BY TYPE OF INCOME: 1970 TO 1987

[In billions of dollars]

TYPE OF INCOME	1970	1975	1980	1982	1983	1984	1985	1986	1987
National income	**832.6**	**1,289.1**	**2,203.5**	**2,518.4**	**2,719.5**	**3,028.6**	**3,234.0**	**3,437.1**	**3,678.7**
Compensation of employees	618.3	948.7	1,638.2	1,907.0	2,020.7	2,213.9	2,367.5	2,507.1	2,683.4
Wages and salaries	551.5	814.7	1,372.0	1,586.1	1,676.2	1,838.8	1,975.2	2,094.0	2,248.4
Government and government enterprise	117.1	176.1	260.1	305.9	323.9	346.3	371.8	393.7	420.1
Other	434.3	638.6	1,111.8	1,280.2	1,352.3	1,492.5	1,603.4	1,700.3	1,828.3
Supplements to wages and salaries	66.8	134.0	266.3	320.9	344.5	375.1	392.4	413.1	435.0
Employer contributions for social insurance	34.3	68.0	127.9	157.3	170.9	192.2	204.8	217.0	227.1
Other labor income	32.5	65.9	138.4	163.6	173.6	182.9	187.6	196.1	207.9
Proprietors' income [1]	80.2	125.4	180.7	175.5	190.9	234.5	255.9	286.7	312.9
Farm	14.7	25.4	20.5	24.6	12.4	30.5	30.2	36.4	43.0
Nonfarm	65.4	100.0	160.1	150.9	178.4	204.0	225.6	250.3	270.0
Proprietors' income	66.0	102.2	164.3	146.5	167.3	182.4	194.6	212.7	233.0
Rental income of persons [2]	18.2	13.5	6.6	13.6	13.2	8.5	9.2	12.4	18.4
Corporate profits [1]	74.7	117.6	177.2	150.0	213.7	266.9	282.3	298.9	310.4
Corporate profits [3]	69.5	123.9	194.0	159.2	196.7	234.2	222.6	244.7	258.7
Profits before tax	76.0	134.8	237.1	169.6	207.6	240.0	224.3	236.4	276.7
Profits tax liability	34.4	50.9	84.8	63.1	77.2	93.9	96.4	106.6	133.8
Profits after tax	41.7	83.9	152.3	106.5	130.4	146.1	127.8	129.8	142.9
Dividends	22.5	29.6	54.7	66.9	71.5	79.0	83.3	88.2	95.5
Undistributed profits	19.2	54.3	97.6	39.6	58.9	67.0	44.6	41.6	47.4
Inventory valuation adjustment	-6.6	-11.0	-43.1	-10.4	-10.9	-5.8	-1.7	8.3	-18.0
Capital consumption adjustment	5.2	-6.2	-16.8	-9.2	17.0	32.7	59.7	54.2	51.7
Net interest	41.2	83.6	200.9	272.3	261.0	304.8	318.0	331.9	383.6
Addenda:									
Corporate profits after tax [1]	40.3	66.7	92.4	86.9	136.5	173.0	185.9	192.3	176.6
Net cash flow [1]	69.8	133.5	219.1	256.0	307.7	348.5	371.2	386.5	378.6
Undistributed profits [1]	17.9	37.1	37.7	20.0	65.0	94.0	102.6	104.1	81.1
Capital consumption allowances [2]	52.0	96.4	181.4	235.0	242.7	254.5	268.6	282.4	297.5
Less: Inventory valuation adjustment	-6.6	-11.0	-43.1	-10.4	-10.9	-5.8	-1.7	8.3	-18.0
Equals: Net cash flow	76.4	144.5	262.2	265.4	318.6	354.3	372.9	378.2	396.6

[1] With inventory valuation and capital consumption adjustments. [2] With capital consumption adjustment. [3] With inventory valuation adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July issues.

NO. 692. NATIONAL INCOME, BY SECTOR: 1970 TO 1987

[In billions of dollars]

SECTOR	1970	1975	1980	1982	1983	1984	1985	1986	1987
National income	**832.6**	**1,289.1**	**2,203.5**	**2,518.4**	**2,719.5**	**3,028.6**	**3,234.0**	**3,437.1**	**3,678.7**
Domestic business	673.4	1,031.8	1,778.4	2,010.6	2,180.4	2,457.9	2,631.9	2,805.7	3,007.6
Corporate business	479.8	740.6	1,312.6	1,478.0	1,609.4	1,805.9	1,920.9	2,030.2	2,162.9
Compensation of employees	401.0	617.0	1,117.2	1,287.8	1,360.6	1,502.1	1,602.6	1,693.7	1,803.7
Corporate profits [1]	67.8	103.2	142.8	121.9	183.6	236.0	251.2	266.9	274.0
Net interest	11.0	20.4	52.5	68.2	65.2	67.8	67.1	69.5	85.2
Sole proprietorships and partnerships	135.0	205.8	318.0	340.6	361.2	421.7	459.2	508.8	552.3
Compensation of employees	49.2	65.8	102.2	114.0	118.5	131.6	141.8	151.3	167.3
Proprietors' income [1]	79.8	124.5	179.4	174.0	189.3	232.6	254.1	285.2	311.4
Net interest	6.0	15.5	36.5	52.7	53.4	57.6	63.3	70.3	73.7
Other private business [2]	45.7	63.9	114.2	152.4	167.2	184.3	201.9	216.4	235.9
Compensation of employees	3.2	4.7	7.6	9.0	9.8	10.9	12.0	13.1	14.2
Proprietors' income [1]	.4	.9	1.3	1.6	1.6	1.9	1.7	1.5	1.5
Rental income of persons [3]	18.2	13.5	6.6	13.6	13.2	8.5	9.2	12.4	18.4
Net interest	23.9	44.8	98.5	128.2	142.7	162.9	179.0	189.3	201.7
Government enterprises [4]	13.0	21.5	33.5	39.6	42.6	46.1	49.9	52.3	56.5
Households and institutions [5]	32.4	52.0	89.3	112.7	122.9	132.7	142.3	153.1	168.9
Government [4]	119.5	187.7	288.3	343.9	386.4	390.6	419.0	443.4	472.7
Rest of the world	7.3	17.5	47.8	51.2	49.9	47.4	40.7	34.9	29.5

[1] With inventory valuation and capital consumption adjustments. [2] Consist of all business activities reported on the individual ncome tax return in Schedule E—Supplemental Income Schedule; tax-exempt cooperatives; and owner-occupied nonfarm housing nd buildings and equipment owned and used by nonprofit institutions servicing individuals, which are considered to be business ctivities selling their current services to their owners. [3] With capital consumption adjustment. [4] Compensation of employees.

[5] Compensation of employees in private households; nonprofit social and athletic clubs; labor organizations; nonprofit schools nd hospitals: religious, charitable, and welfare organizations; and all other nonprofit organizations serving individuals.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *urvey of Current Business*, July issues.

No. 693. Personal Consumption Expenditures, by Type of Expenditure in Current Dollars: 1980 to 1987

[In billions of dollars. Minus sign (-) indicates decrease]

TYPE OF EXPENDITURE	1980	1984	1985	1986	1987	AVERAGE ANNUAL PERCENT CHANGE			
						1980-1984	1984-1985	1985-1986	1986-1987
Personal consumption expenditures [1]	**1,732.6**	**2,430.5**	**2,629.0**	**2,807.5**	**3,012.1**	**8.8**	**8.2**	**6.8**	7.3
Food and tobacco [1] [2]	369.9	479.0	503.8	534.7	562.1	6.7	5.2	6.1	5.1
Food purchased for off-premise consumption	242.3	305.8	322.7	339.8	352.0	6.0	5.5	5.3	3.6
Purchased meals and beverages [2]	100.2	134.1	139.9	151.9	164.5	7.6	4.3	8.6	8.3
Tobacco products	20.8	30.5	32.2	33.6	35.7	10.0	5.6	4.3	6.3
Clothing, accessories, and jewelry [1]	136.0	181.8	193.3	207.5	221.5	7.7	6.3	7.3	6.7
Shoes	16.9	21.6	22.9	24.3	26.3	6.3	6.0	6.1	8.2
Clothing and accessories	91.9	125.0	133.4	142.6	151.9	8.0	6.7	6.9	6.5
Jewelry and watches	15.4	19.9	20.5	22.8	24.3	6.6	3.0	11.2	6.6
Personal care	27.2	36.4	38.8	41.4	44.4	7.6	6.6	6.7	7.2
Housing [1]	261.5	371.3	403.0	434.3	467.7	9.2	8.5	7.8	7.7
Owner-occupied nonfarm dwellings-space rent	178.3	252.3	272.7	293.7	317.1	9.1	8.1	7.7	8.0
Tenant-occupied nonfarm dwellings-rent	61.9	92.2	103.8	114.3	123.5	10.5	12.6	10.1	8.0
Rental value of farm dwellings	11.0	12.2	10.9	9.8	9.2	2.6	-10.7	-10.1	-6.1
Household operation [1]	233.1	316.9	334.1	348.1	362.3	8.0	5.4	4.2	4.1
Furniture [3]	20.9	26.5	28.0	30.5	32.5	6.1	5.7	8.9	6.6
Semidurable house furnishings [4]	10.0	13.3	14.0	15.3	15.8	7.4	5.3	9.3	3.3
Cleaning and polishing preparations	20.1	25.1	26.4	27.9	29.2	5.7	5.2	5.7	4.7
Household utilities	83.7	117.5	124.2	122.6	125.3	8.8	5.7	-1.3	2.2
Electricity	37.2	55.4	59.3	60.8	63.3	10.5	7.0	2.5	4.1
Gas	19.1	29.4	29.6	26.6	25.5	11.4	.7	-10.1	-4.1
Water and other sanitary services	9.3	14.9	16.8	18.6	20.4	12.5	12.8	10.7	9.7
Fuel oil and coal	18.0	17.8	18.5	16.7	16.2	-.3	3.9	-9.7	-3.0
Telephone and telegraph	27.8	39.8	40.4	42.9	44.3	9.4	1.5	6.2	3.3
Medical care [1]	167.7	298.4	327.5	359.3	403.2	12.3	9.8	9.7	12.2
Drug preparations and sundries [5]	18.8	26.3	28.1	30.2	32.5	8.8	6.8	7.5	7.6
Physicians	42.0	67.1	73.5	80.6	93.9	12.4	9.5	9.7	16.5
Dentists	13.7	19.8	21.5	22.8	25.0	9.6	8.6	6.0	9.6
Privately controlled hospitals [6]	82.0	130.6	140.2	152.1	167.4	12.3	7.4	8.5	10.1
Health insurance	12.3	19.0	21.6	24.4	27.0	11.5	13.7	13.0	10.7
Medical care [7]	6.9	15.2	17.7	20.6	21.9	21.8	16.4	16.4	6.3
Personal business [1]	96.7	145.8	169.9	192.7	215.5	10.8	16.5	13.4	11.8
Expense of handling life insurance [8]	19.7	30.6	35.8	39.1	41.0	11.6	17.0	9.2	4.9
Legal services	13.8	24.6	28.0	30.9	34.9	15.5	13.8	10.4	12.9
Funeral and burial expenses	4.4	5.6	6.3	6.6	7.1	6.2	12.5	4.8	7.6
Transportation	238.5	329.5	359.5	365.5	378.9	8.4	9.1	1.7	3.7
User-operated transportation [1]	216.8	301.6	330.1	335.7	346.5	8.6	9.4	1.7	3.2
New autos	46.4	77.6	87.4	101.4	94.1	13.7	12.6	16.0	-7.2
Net purchases of used autos	14.9	30.2	35.1	34.9	35.9	19.3	16.2	-.6	2.9
Tires, tubes, accessories, etc.	16.7	23.3	25.2	26.6	28.2	8.7	8.2	5.6	6.0
Repair, greasing, washing, parking, storage	32.3	42.8	49.1	51.8	56.4	7.3	14.7	5.5	8.9
Gasoline and oil	83.7	90.0	90.6	73.3	77.0	1.8	.7	-19.1	5.0
Purchased local transportation	5.8	6.9	7.2	7.8	8.0	4.4	4.3	8.3	2.6
Transit systems	2.4	3.4	3.6	3.8	3.8	9.1	5.9	5.6	-
Taxicab	3.1	3.0	3.1	3.3	3.5	-.8	3.3	6.5	6.1
Railway (commutation)	.3	.5	.5	.6	.7	13.6	-	20.0	16.7
Purchased intercity transportation [1]	15.9	21.0	22.2	22.0	24.5	7.2	5.7	-.9	11.4
Bus	1.2	1.2	1.2	1.1	1.1	-	-	-8.3	-
Airline	13.4	17.5	18.5	18.2	20.4	6.9	5.7	-1.6	12.1
Recreation [1] [9]	115.0	168.3	185.7	201.7	223.3	10.0	10.3	8.6	10.7
Magazines, newspapers, and sheet music	10.4	12.7	13.2	13.9	15.8	5.1	3.9	5.3	13.7
Nondurable toys and sport supplies	14.6	19.7	21.1	23.1	26.8	7.8	7.1	9.5	16.0
Radio and television receivers, records, and musical instruments	19.9	31.5	37.0	38.9	41.2	12.2	17.5	5.1	5.9
Private education and research	27.2	39.1	43.3	47.3	51.3	9.5	10.7	9.2	8.5
Religious and welfare activities	36.8	52.6	57.1	62.9	68.1	9.3	8.6	10.2	8.3

- Represents zero. [1] Includes other expenditures not shown separately. [2] Consists of purchases (including tips) of meals and beverages from retail, service and amusement establishments, hotels, dining and buffet cars, schools, school fraternities, institutions, clubs, and industrial lunch rooms. [3] Includes mattresses and bed springs. [4] Consist largely of textile house furnishings including piece goods allocated to house furnishing use. Also includes lamp shades, brooms, and brushes.

[5] Excludes drug preparations and related products dispensed by physicians, hospitals, and other medical services.

[6] Consists of (1) current expenditures (including capital consumption allowances with capital consumption adjustment) of nonprofit hospitals, sanitariums, and nursing homes, and (2) payments by patients to proprietary hospitals, sanitariums, and nursing homes. [7] Consist of (1) premiums, less benefits and dividends, for health, hospitalization and accidental death and dismemberment insurance provided by commercial insurance carriers, and (2) administrative expenses (including capital consumption allowances with capital consumption adjustment) of Blue Cross and Blue Shield plans and of other independent prepaid and self-insured health plans. [8] Consist of (1) operating expenses of life insurance carriers and private noninsured pension plans, and (2) premiums, less benefits and dividends, of fraternal benefit societies. Excludes expenses allocated by commercial carriers to accident and health insurance. [9] For additional details, see table 377.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July issues.

No. 694. Personal Consumption Expenditures, by Type of Product in Constant (1982) Dollars: 1980 to 1987

[In billions of dollars, except percent. Minus sign (-) indicates decrease]

TYPE OF PRODUCT	1980	1984	1985	1986	1987	AVERAGE ANNUAL PERCENT CHANGE 1980-1984	1984-1985	1985-1986	1986-1987
Personal consumption expenditures	**2,000.4**	**2,249.3**	**2,354.8**	**2,455.2**	**2,521.0**	**3.0**	**4.7**	**4.3**	**2.7**
Durable goods	245.9	323.1	355.1	385.0	390.9	7.1	9.9	8.4	1.5
Motor vehicles and parts [1]	103.8	148.0	164.4	176.4	170.4	9.3	11.1	7.3	-3.4
New autos	51.2	73.5	80.4	89.2	80.0	9.5	9.4	10.9	-10.3
Net purchases of used autos	21.0	24.8	28.9	29.8	28.8	4.2	16.5	3.1	-3.4
Tires, tubes, accessories, etc.	18.1	24.8	26.8	28.2	29.7	8.2	8.1	5.2	5.3
Furniture and household equipment [1]	95.4	118.4	131.0	143.2	151.0	5.5	10.6	9.3	5.4
Furniture, including mattresses and bedsprings	23.2	25.3	26.1	27.7	28.9	2.2	3.2	6.1	4.3
Kitchen and other household appliances	18.4	21.0	23.5	25.5	26.9	3.4	11.9	8.5	5.5
China, glassware, tableware, and utensils	10.6	12.0	12.7	13.7	13.8	3.1	5.8	7.9	.7
Radio and television receivers [2]	20.4	34.4	42.5	48.1	51.9	14.0	23.5	13.2	7.9
Other	46.7	56.7	59.7	65.4	69.6	5.0	5.3	9.5	6.4
Nondurable goods	762.6	825.9	847.4	879.5	890.5	2.0	2.6	3.8	1.3
Food	394.9	422.8	435.5	448.0	450.4	1.7	3.0	2.9	.5
Food purchased for off-premise consumption	272.4	292.0	304.5	311.8	308.7	1.8	4.3	2.4	-1.0
Purchased meals and beverages	115.1	122.0	123.0	128.1	133.4	1.7	.1	4.1	4.1
Food furnished employees [3]	7.5	7.9	8.1	8.1	8.3	1.3	2.5	-	2.5
Clothing and shoes	114.8	142.2	147.2	157.6	160.5	5.5	3.5	7.1	1.8
Shoes	18.3	21.2	22.2	23.7	24.8	3.7	4.7	6.8	4.6
Women's and children's clothing and accessories [4]	61.5	81.2	84.0	91.1	91.7	7.2	3.4	8.5	.7
Men's and boys' clothing and accessories [4]	35.0	39.7	41.0	42.8	44.1	3.2	3.3	4.4	3.0
Gasoline and oil	88.4	94.5	94.4	97.3	98.3	1.7	-.1	3.1	1.0
Fuel oil and coal	21.6	18.5	19.6	22.0	21.1	-3.8	5.9	12.2	-4.1
Other nondurable goods [1]	142.9	147.8	150.7	154.6	160.2	.8	2.0	2.6	3.6
Tobacco products	24.9	24.0	23.9	23.4	23.1	-.9	-.4	-2.1	-1.3
Toilet articles and preparations	19.6	20.0	20.5	21.1	21.9	.5	2.5	2.9	3.8
Semidurable house furnishings	11.6	12.0	12.3	13.2	13.1	.9	2.5	7.3	-.8
Cleaning and polishing preparations, etc.	23.4	23.8	24.0	24.8	25.1	.4	.8	3.3	1.2
Drug preparations and sundries	23.0	22.6	22.5	22.7	22.9	-.4	-.4	.9	.9
Nondurable toys and sport supplies	15.9	19.9	21.3	23.2	26.4	5.8	7.0	8.9	13.8
Services	991.9	1,100.3	1,152.3	1,190.7	1,239.5	2.6	4.7	3.3	4.1
Housing [1]	312.5	333.0	341.7	348.3	358.3	1.6	2.6	1.9	2.9
Owner-occupied nonfarm dwellings-space rent	212.0	226.1	230.8	234.5	241.4	1.6	2.1	1.6	2.9
Tenant-occupied nonfarm dwellings—rent	73.6	81.8	86.3	89.4	92.4	2.7	5.5	3.6	3.4
Rental value of farm dwellings	14.3	12.1	11.7	11.4	11.1	-4.1	-3.3	-2.6	-2.6
Household operation [1]	142.6	148.8	151.6	152.1	157.0	1.1	1.9	.3	3.2
Electricity	47.0	50.4	52.2	52.8	55.1	1.8	3.6	1.1	4.4
Gas	26.0	24.9	25.3	23.9	24.0	-1.1	1.6	-5.5	.4
Water and other sanitary services	11.7	12.9	13.7	14.4	15.0	2.5	6.2	5.1	4.2
Telephone and telegraph	33.6	34.5	33.7	34.2	35.5	.7	-2.3	1.5	3.8
Domestic service	7.6	9.1	9.2	9.2	9.2	4.6	1.1	-	-
Transportation	77.4	75.9	82.1	85.4	89.3	-.5	8.2	4.0	4.6
User-operated transportation	48.0	50.0	54.7	56.1	58.5	1.0	9.4	2.6	-
Purchased local transportation	7.5	6.4	6.5	6.6	6.6	-3.9	1.6	1.5	-
Purchased intercity transportation [1]	21.9	19.5	20.9	22.7	24.2	-2.9	7.2	8.6	6.6
Railway (excluding commutation)	.5	.5	.5	.5	.5	-	-	-	-
Bus	1.5	1.0	1.0	.8	.8	-9.6	-	-20.0	-
Airline	18.7	16.5	17.8	19.7	21.2	-3.1	7.9	10.7	7.6
Medical care	200.6	232.0	240.9	251.5	268.2	3.7	3.8	4.4	6.6
Physicians	50.9	58.2	60.3	61.6	66.9	3.4	3.6	2.2	8.6
Dentists	16.2	17.2	17.5	17.6	18.1	1.5	1.7	.6	2.8
Other professional services	16.6	26.0	29.3	32.1	36.6	11.9	12.7	9.6	14.0
Privately controlled hospitals and sanitariums	100.9	115.7	118.2	123.7	129.7	3.5	2.2	4.7	4.8
Health insurance	16.0	14.9	15.6	16.4	17.1	-1.8	4.7	5.1	4.3
Other [1]	258.8	310.7	336.0	353.4	366.6	4.7	8.1	5.2	3.7
Personal care [1]	25.0	27.0	27.9	28.9	30.0	1.9	3.3	3.6	3.8
Cleaning, storage, and repair of clothing and shoes	7.7	7.7	7.6	7.6	7.6	-	-1.3	-	-
Barbershops, beauty parlors, baths, and health clubs	12.4	13.3	13.8	14.3	15.0	1.8	3.8	3.6	4.9
Personal business [1]	111.2	127.4	138.9	147.7	149.9	3.5	9.0	6.3	1.5
Brokerage charges and investment counseling	9.0	11.3	15.5	20.2	20.1	5.9	37.2	30.3	-.5
Recreation	48.1	61.5	66.1	69.8	74.7	6.3	7.5	5.6	7.0
Private education and research [1]	31.8	35.8	38.3	40.6	42.4	3.0	7.0	6.0	4.4
Higher education	11.7	12.8	13.3	13.6	13.8	2.3	3.9	2.3	1.5
Elementary and secondary schools	10.8	11.6	12.3	12.9	13.1	1.8	6.0	4.9	1.6
Religious and welfare activities	42.0	49.3	52.4	56.1	58.5	4.1	6.3	7.1	4.3

- Represents zero. [1] Includes expenditures not shown separately. [2] Includes musical instruments and records. [3] Includes military and food produced and consumed on farms. [4] Except shoes.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *rvey of Current Business*, July issues.

No. 695. Personal Income and Its Disposition: 1970 to 1987

[In billions of dollars, except percent. For definition of personal income, see text, section 14]

ITEM	1970	1980	1982	1983	1984	1985	1986	1987
Personal income	831.8	2,258.5	2,670.8	2,838.6	3,108.7	3,325.3	3,531.1	3,780.0
Wage and salary disbursements	551.5	1,372.0	1,586.1	1,676.6	1,838.6	1,975.4	2,094.0	2,248.4
Commodity-producing industries [1]	203.7	470.7	511.7	523.1	577.6	608.9	625.5	648.8
Manufacturing	158.4	355.6	384.0	397.4	439.1	460.9	473.1	480.3
Distributive industries [2]	131.2	335.5	384.2	404.2	442.8	473.2	498.9	531.7
Service industries [3]	99.4	305.6	384.4	425.1	472.1	521.3	575.9	647.8
Government and gov't enterprises	117.1	260.2	305.9	324.3	346.1	372.0	393.7	420.1
Other labor income	32.5	138.4	163.6	173.6	182.9	187.6	196.1	207.9
Proprietors' income [4]	80.2	180.7	175.5	190.9	234.5	255.9	286.7	312.9
Rental income of persons [5]	18.2	6.6	13.6	13.2	8.5	9.2	12.4	18.4
Personal dividend income	22.2	52.9	63.9	68.7	75.5	78.7	82.8	88.6
Personal interest income	69.3	271.9	369.7	393.1	444.7	478.0	499.1	527.0
Transfer payments	85.9	324.7	410.6	442.6	456.6	489.8	521.1	548.8
Old-age, survivors, disability, and health insurance benefits	38.5	154.2	204.5	221.7	235.7	253.4	269.3	282.9
Gov't unemployment insurance benefits	4.0	16.1	25.2	26.3	15.8	15.7	16.3	14.7
Veterans benefits	7.7	15.0	16.4	16.6	16.4	16.7	16.7	16.6
Gov't employees retirement benefits	10.2	43.0	54.6	58.7	61.4	66.8	70.6	75.7
Other transfer payments	25.6	96.4	109.9	119.3	127.3	137.3	148.2	158.9
Less: Personal contributions for social insurance	27.9	88.6	112.3	120.1	132.7	149.3	161.1	172.0
Less: Personal tax and nontax payments	116.2	340.5	409.3	410.5	440.2	486.6	511.4	570.3
Equals: Disposable personal income	715.6	1,918.0	2,261.4	2,428.1	2,668.6	2,838.7	3,019.6	3,209.7
Less: Personal outlays	657.9	1,781.1	2,107.5	2,297.4	2,504.5	2,713.3	2,898.0	3,105.5
Personal consumption expenditures	640.0	1,732.6	2,050.7	2,234.5	2,430.5	2,629.0	2,807.5	3,012.1
Interest paid by consumers to business	16.7	47.4	55.5	61.9	72.5	82.6	89.1	92.1
Personal transfer payments to foreigners (net)	1.2	1.1	1.3	1.0	1.5	1.7	1.4	1.3
Equals: Personal saving	57.7	136.9	153.9	130.6	164.1	125.4	121.7	104.2
Percent of disposable personal income	8.1	7.1	6.8	5.4	6.1	4.4	4.0	3.2
Real disposable personal income [6]	1,668.1	2,214.3	2,261.5	2,331.9	2,469.8	2,542.8	2,640.9	2,686.3
Average annual percent change [7]	4.1	2.9	.6	3.1	5.9	3.0	3.9	1.7
PERCENT DISTRIBUTION								
Personal income	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Wage and salary disbursements	66.3	60.7	59.4	59.1	59.1	59.4	59.3	59.5
Other labor income	3.9	6.1	6.1	6.1	5.9	5.6	5.6	5.5
Proprietors' income [4]	9.6	8.0	6.6	6.7	7.5	7.7	8.1	8.3
Rental income of persons [5]	2.2	.3	.5	.5	.3	.3	.4	.5
Personal dividend income	2.7	2.3	2.4	2.4	2.4	2.4	2.3	2.3
Personal interest income	8.3	12.0	13.8	13.8	14.3	14.4	14.1	13.9
Transfer payments	10.3	14.4	15.4	15.6	14.7	14.7	14.8	14.5
Less: Personal contributions for social insurance	-3.4	-3.9	-4.2	-4.2	-4.3	-4.5	-4.6	-4.6

[1] Comprises agriculture, forestry, fisheries, mining, construction, and manufacturing. [2] Comprises transportation; communication; electric, gas, and sanitary services; and trade. [3] Comprises finance, insurance, and real estate; services; and rest of world. [4] With capital consumption and inventory valuation adjustments. [5] With capital consumption adjustments. [6] 1982 prices. [7] Represents average for period of intervals shown here; for 1970, change from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current business*, July issues.

No. 696. Gross Saving and Investment: 1970 to 1987

[In billions of dollars]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Gross saving	154.7	238.7	445.0	522.0	446.4	463.6	568.5	533.5	537.2	560.4
Gross private saving	164.5	303.6	478.4	550.5	557.1	592.2	673.5	665.3	681.6	665.3
Personal saving	57.7	104.6	136.9	159.4	153.9	130.6	164.1	125.4	121.7	104.2
Undistributed corporate profits [1]	17.9	37.1	37.7	43.2	20.0	65.0	94.0	102.6	104.1	81.1
Undistributed profits	19.2	54.3	97.6	81.8	39.6	58.9	67.0	44.6	41.6	47.4
Inventory valuation adjustment	-6.6	-11.0	-43.1	-24.2	-10.4	-10.9	-5.8	-1.7	8.3	-18.0
Capital consumption adjustment	5.2	-6.2	-16.8	-14.4	-9.2	17.0	32.7	59.7	54.2	51.7
Corporate CCA [2]	52.0	93.4	181.4	210.7	235.0	242.7	254.5	268.6	282.4	287.5
Noncorporate CCA [2]	36.9	65.4	122.4	137.1	148.2	153.9	160.9	168.7	173.5	182.5
Government surplus or deficit (-) [3]	-10.6	-64.9	-34.5	-29.7	-110.8	-128.6	-105.0	-131.8	-144.4	-104.9
Federal	-12.4	-69.4	-61.3	-63.8	-145.9	-176.0	-169.6	-196.9	-205.6	-157.8
State and local	1.8	4.5	26.8	34.1	35.1	47.5	64.6	65.1	61.2	52.9
Capital grants received by the U.S. (net)	.9	-	1.2	1.1	-	-	-	-	-	-
Gross investment	153.6	241.2	450.0	526.1	446.3	468.8	573.9	528.7	523.6	552.3
Gross private domestic investment	148.8	219.6	437.0	515.5	447.3	502.3	664.8	643.1	665.9	712.9
Net foreign investment	4.8	21.6	13.0	10.6	-1.0	-33.5	-90.0	-114.4	-142.4	-160.6
Statistical discrepancy	-1.1	2.5	4.9	4.1	-.1	5.2	5.4	-4.8	-13.6	-8.1

- Represents zero. [1] With inventory valuation and capital consumption adjustments. [2] Capital consumption allowances with capital consumption adjustment. [3] National income and product accounts basis.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 697. Gross State Product: 1980 to 1986

[In millions of dollars, except percent. For definition of gross state product, see text, section 14. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (–) indicates decrease]

DIVISION AND STATE	1980	1984	1985	1986	AVERAGE ANNUAL PERCENT CHANGE		
					1980–1984	1984–1985	1985–1986
U.S.	2,670,299	3,707,011	3,963,347	4,191,705	8.5	6.9	5.8
N. Eng	138,413	206,107	225,201	245,850	10.5	9.3	9.2
ME	10,200	14,782	15,896	17,326	9.7	7.5	9.0
NH	9,326	14,846	16,585	18,518	12.3	11.7	11.7
VT	4,894	7,215	7,915	8,636	10.2	9.7	9.1
MA	65,057	96,980	106,148	115,526	10.5	9.5	8.8
RI	9,184	12,921	13,961	15,205	8.9	8.0	8.9
CT	39,752	59,363	64,696	70,639	10.5	9.0	9.2
Mid. Atl	428,206	606,886	651,363	701,060	9.1	7.3	7.6
NY	214,143	311,727	336,071	362,736	9.8	7.8	7.9
NJ	88,516	131,776	142,302	154,765	10.5	8.0	8.8
PA	125,547	163,383	172,990	183,559	6.8	5.9	6.1
E. No. Cent	480,519	624,118	662,480	700,852	6.8	6.1	5.8
OH	121,642	156,543	167,645	176,102	6.8	5.7	5.0
IN	59,050	76,086	80,262	84,922	6.5	5.5	5.8
IL	143,110	187,484	198,138	209,666	7.0	5.7	5.8
MI	103,841	132,369	143,719	153,240	6.3	8.6	6.6
WI	52,876	69,636	72,716	76,922	7.1	4.4	5.8
W. No. Cent	197,637	265,744	278,528	292,524	7.7	4.8	5.0
MN	48,846	67,250	71,183	75,626	8.3	5.8	6.2
IA	34,442	41,407	42,100	43,836	4.7	1.7	4.1
MO	53,142	74,493	79,220	83,534	8.8	6.3	5.4
ND	8,140	10,808	10,725	10,733	7.3	–.8	.1
SD	6,922	9,023	9,297	9,802	6.9	3.0	5.4
NE	18,073	24,268	25,639	26,521	7.6	5.6	3.4
KS	28,066	38,495	40,364	42,472	8.2	4.9	5.2
So. Atl	388,303	573,331	621,755	671,591	10.2	8.4	8.0
DE	7,047	10,186	10,966	11,706	9.6	7.7	6.7
MD	44,912	64,465	70,580	76,504	9.5	9.5	8.4
DC	19,029	25,100	27,185	28,791	7.2	8.3	5.9
VA	58,634	87,599	95,369	104,155	10.6	8.9	9.2
WV	19,197	22,885	23,541	24,096	4.5	2.9	2.4
NC	58,876	87,748	93,821	100,961	10.5	6.9	7.6
SC	27,275	39,581	41,832	44,727	9.8	5.7	6.9
GA	55,503	86,213	94,121	102,922	11.6	9.2	9.4
FL	97,830	149,554	164,340	177,729	11.2	9.9	8.1
E. So. Cent	138,285	191,066	201,532	212,300	8.4	5.5	5.3
KY	36,828	49,512	51,234	53,135	7.7	3.5	3.7
TN	45,018	63,207	67,560	72,328	8.9	6.9	7.1
AL	34,969	48,710	51,919	55,007	8.6	6.6	5.9
MS	21,470	29,637	30,819	31,830	8.4	4.0	3.3
W. So. Cent	325,075	447,066	468,102	459,383	8.3	4.7	–1.9
AR	20,123	28,716	29,926	31,633	9.3	4.2	5.7
LA	62,166	79,034	79,719	74,426	6.2	.9	–6.6
OK	37,739	50,077	50,842	49,814	7.3	1.5	–2.0
TX	205,047	289,239	307,615	303,510	9.0	6.4	–1.3
Mt	141,179	194,062	207,626	216,473	8.3	7.0	4.3
MT	9,525	11,726	11,543	12,163	5.3	–1.6	5.4
ID	9,670	12,299	13,027	13,170	6.2	5.9	1.1
WY	10,900	12,468	12,777	11,673	3.4	2.5	–8.6
CO	37,620	53,373	56,713	59,177	9.1	6.3	4.3
NM	16,442	22,665	23,887	23,603	8.4	5.4	–1.2
AZ	29,931	43,442	48,589	53,253	9.8	11.8	9.6
UT	15,121	21,739	23,172	24,008	9.5	6.6	3.6
NV	11,970	16,350	17,918	19,426	8.1	9.6	8.4
Pac	432,680	598,629	646,759	691,672	8.5	8.0	6.9
WA	51,354	67,347	71,756	77,683	7.0	6.5	8.3
OR	30,219	36,882	38,922	41,278	5.1	5.5	6.1
CA	325,171	456,874	496,850	533,816	8.9	8.7	7.4
AK	12,860	20,802	21,237	19,575	12.8	2.1	–7.8
HI	13,076	16,724	17,994	19,320	6.3	7.6	7.4

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988.

No. 698. Gross State Product, By Industry: 1986

[**In millions of dollars**. For definition of gross state product, see text, section 14]

DIVISION AND STATE	Total	Farms, forestry, and fisheries [1]	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government [2]
U.S.	**4,191,705**	**92,993**	**95,281**	**197,876**	**824,302**	**391,444**	**294,586**	**407,927**	**694,965**	**700,180**	**492,15**
N. Eng.	**245,850**	**2,321**	**210**	**11,760**	**56,433**	**18,134**	**17,119**	**24,739**	**44,373**	**46,817**	**23,94**
ME	17,326	397	7	1,079	3,663	1,619	1,031	1,989	2,826	2,505	2,210
NH	16,518	150	25	1,350	4,812	1,168	1,049	1,970	3,463	2,952	1,58
VT	8,636	274	23	538	1,981	691	478	873	1,572	1,373	83
MA	115,526	846	70	5,441	25,100	8,245	8,563	11,477	19,734	25,437	10,814
RI	15,205	170	10	403	3,686	1,028	972	1,617	2,715	2,771	1,82
CT	70,639	484	75	2,949	17,181	5,383	5,026	6,813	14,063	11,779	6,88
Mid. Atl.	**701,060**	**5,527**	**2,471**	**29,954**	**131,048**	**68,821**	**56,380**	**60,449**	**138,900**	**134,732**	**72,77**
NY	362,736	2,161	497	14,908	59,877	33,298	30,602	29,138	80,407	72,920	38,92
NJ	154,765	952	98	7,591	30,529	16,242	13,478	13,862	28,706	27,870	15,43
PA	183,559	2,414	1,876	7,455	40,642	19,281	12,300	17,449	29,787	33,942	18,41
E. No. Cent.	**700,852**	**13,936**	**4,691**	**25,306**	**187,840**	**64,555**	**48,286**	**66,745**	**113,773**	**108,182**	**67,53**
OH	176,102	2,348	1,441	5,563	51,421	16,306	11,445	17,258	27,058	26,725	16,53
IN	84,922	2,266	556	3,891	25,305	8,187	4,984	8,538	12,296	10,956	7,94
IL	209,666	3,943	1,599	8,630	42,277	22,637	17,771	19,690	36,728	36,656	19,73
MI	153,240	1,905	1,011	4,877	47,540	11,347	9,484	14,188	24,178	23,189	15,40
WI	76,922	3,384	84	2,345	21,297	6,076	4,602	7,071	13,513	10,656	7,8
W. No. Cent.	**292,524**	**20,026**	**2,532**	**11,263**	**57,122**	**29,702**	**21,129**	**28,035**	**49,395**	**42,904**	**30,41**
MN	75,626	3,575	406	2,763	15,813	6,851	6,022	7,282	13,829	11,667	7,41
IA	43,836	4,827	90	1,396	9,228	3,555	2,959	3,951	7,835	5,873	4,12
MO	83,534	2,197	293	3,458	18,912	9,155	5,873	8,707	13,042	13,484	8,41
ND	10,733	1,587	679	592	622	1,130	841	893	1,813	1,351	1,22
SD	9,802	1,557	117	375	977	932	615	1,016	1,718	1,326	1,18
NE	26,521	3,322	70	958	3,648	2,989	1,872	2,363	4,586	3,568	3,14
KS	42,472	2,961	877	1,721	7,922	5,090	2,947	3,823	6,572	5,635	4,92
So. Atl.	**671,591**	**12,321**	**6,912**	**37,967**	**119,916**	**62,485**	**45,051**	**70,093**	**102,589**	**111,199**	**103,6**
DE	11,706	251	2	565	3,325	912	657	984	2,129	1,616	1,2
MD	76,504	931	114	4,012	9,106	6,590	5,469	8,769	12,827	15,335	13,3
DC	28,791	6	7	1,991	1,050	1,805	532	1,274	2,675	8,251	11,1
VA	104,155	1,305	1,117	6,014	18,605	9,577	5,693	9,801	15,352	16,389	20,30
WV	24,096	225	3,177	1,153	3,485	3,287	1,232	2,253	3,509	3,008	2,7
NC	100,961	2,422	284	4,015	31,671	8,713	6,444	10,241	12,781	11,853	12,53
SC	44,727	613	103	1,790	11,949	3,781	2,596	4,966	5,786	5,571	7,57
GA	102,922	2,136	572	5,535	21,531	11,302	9,841	10,328	14,165	14,584	12,92
FL	177,729	4,432	1,536	12,892	19,194	16,518	12,587	21,477	33,365	34,592	21,1
E. So. Cent.	**212,300**	**5,713**	**5,574**	**8,991**	**52,449**	**18,544**	**13,163**	**21,968**	**29,743**	**28,467**	**27,8**
KY	53,135	1,910	3,007	2,621	12,764	4,641	2,643	5,127	7,909	6,356	6,1
TN	72,328	1,383	351	3,188	18,097	5,614	5,274	8,190	10,326	11,135	8,7
AL	55,007	1,331	1,389	1,754	12,918	5,569	3,606	5,249	7,240	7,397	8,5
MS	31,830	1,089	827	1,428	6,670	2,720	1,640	3,402	4,268	3,579	4,2
W. So. Cent.	**459,383**	**10,478**	**49,322**	**23,815**	**73,270**	**50,105**	**32,214**	**43,067**	**63,654**	**63,283**	**50,17**
AR	31,633	1,887	508	1,552	7,782	3,295	1,718	3,298	4,479	3,829	3,2
LA	74,426	904	12,516	3,905	9,670	8,297	4,263	6,595	11,027	9,755	7,4
OK	49,814	1,822	5,183	2,132	7,110	5,240	3,049	4,917	6,745	6,509	7,10
TX	303,510	5,865	31,115	16,226	48,706	33,273	23,184	28,257	41,403	43,190	32,2
Mt.	**216,473**	**6,143**	**10,878**	**15,978**	**24,970**	**22,959**	**11,745**	**22,116**	**34,015**	**37,659**	**30,0**
MT	12,163	1,009	888	1,022	881	1,488	663	1,046	2,006	1,607	1,5
ID	13,170	1,195	170	436	2,152	1,380	769	1,365	2,080	1,980	1,6
WY	11,673	219	3,079	1,379	331	1,584	403	766	1,621	906	1,3
CO	59,177	1,517	1,704	3,510	7,631	6,564	3,784	6,285	9,688	10,218	8,2
NM	23,603	513	3,181	1,576	1,881	2,428	958	2,214	3,389	3,502	3,9
AZ	53,253	1,122	683	5,330	7,172	4,646	2,802	6,131	8,909	9,045	7,4
UT	24,008	400	625	1,220	3,989	3,036	1,576	2,402	3,574	3,500	3,8
NV	19,426	166	548	1,505	933	1,834	790	1,907	2,746	6,901	2,9
Pac.	**691,672**	**16,523**	**12,691**	**32,842**	**121,253**	**58,136**	**49,498**	**70,718**	**118,525**	**126,937**	**86,5**
WA	77,683	2,841	174	4,468	13,416	6,661	6,243	8,330	12,167	11,687	11,8
OR	41,278	1,629	58	1,355	8,181	4,141	3,213	3,913	7,365	6,382	5,0
CA	533,816	11,282	5,927	23,855	97,680	41,928	38,711	55,216	93,790	103,397	62,0
AK	19,575	317	6,530	1,981	976	1,495	490	1,108	1,805	1,648	3,2
HI	19,320	454	2	1,183	1,000	1,911	841	2,151	3,398	3,823	4,5

[1] Includes agricultural services. [2] Includes Federal civilian and military, State and local.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988.

No. 699. Disposable Personal Income Per Capita in Current and Constant (1982) Dollars—States: 1980 to 1987

[For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	CURRENT DOLLARS						CONSTANT (1982) DOLLARS			
	1980	1985	1986	1987	Income rank		1980	1985	1986	1987
					1980	1987				
U.S.	**8,424**	**11,862**	**12,489**	**13,143**	(x)	(x)	**9,705**	**10,629**	**10,927**	**10,999**
Region:										
Northeast	8,965	13,132	14,011	14,945	(x)	(x)	10,328	11,767	12,258	12,506
Midwest	8,407	11,642	12,304	12,897	(x)	(x)	9,686	10,432	10,765	10,792
South	7,614	10,765	11,231	11,778	(x)	(x)	8,772	9,646	9,826	9,856
West	9,245	12,687	13,295	13,921	(x)	(x)	10,651	11,368	11,632	11,649
New England	**8,836**	**13,509**	**14,553**	**15,674**	(x)	(x)	**10,295**	**12,105**	**12,732**	**13,117**
Maine	7,218	10,383	11,231	12,092	39	29	8,316	9,304	9,826	10,119
New Hampshire	8,523	13,472	14,397	15,363	15	5	9,819	12,072	12,596	12,856
Vermont	7,410	10,572	11,404	12,153	35	28	8,537	9,473	9,978	10,170
Massachusetts	8,926	13,677	14,792	15,992	13	3	10,283	12,255	12,941	13,382
Rhode Island	8,130	12,046	12,802	13,522	26	14	9,367	10,796	11,201	11,315
Connecticut	10,198	15,299	16,452	17,784	2	1	11,749	13,709	14,394	14,862
Middle Atlantic	**8,974**	**13,003**	**13,826**	**14,695**	(x)	(x)	**10,339**	**11,652**	**12,096**	**12,297**
New York	8,966	13,015	13,863	14,660	10	8	10,330	11,662	12,128	12,268
New Jersey	9,822	15,020	16,071	17,280	4	2	11,316	13,459	14,060	14,460
Pennsylvania	8,460	11,700	12,333	13,085	16	19	9,746	10,484	10,790	10,950
East North Central	**8,544**	**11,746**	**12,398**	**12,990**	(x)	(x)	**9,844**	**10,525**	**10,847**	**10,870**
Ohio	8,275	11,341	11,906	12,453	24	25	9,534	10,162	10,417	10,421
Indiana	7,874	10,673	11,273	11,856	31	33	9,071	9,563	9,863	9,921
Illinois	9,151	12,680	13,377	14,085	8	9	10,543	11,362	11,703	11,787
Michigan	8,622	11,882	12,611	13,065	14	20	9,933	10,647	11,033	10,933
Wisconsin	8,315	11,373	12,024	12,715	20	22	9,580	10,191	10,520	10,640
West North Central	**8,076**	**11,395**	**12,081**	**12,676**	(x)	(x)	**9,304**	**10,211**	**10,570**	**10,608**
Minnesota	8,410	11,895	12,740	13,436	17	16	9,689	10,659	11,146	11,243
Iowa	8,012	10,866	11,542	12,213	27	27	9,231	9,736	10,098	10,220
Missouri	7,954	11,455	12,098	12,659	28	23	9,164	10,264	10,584	10,594
North Dakota	7,339	10,577	11,098	11,504	37	34	8,455	9,477	9,710	9,627
South Dakota	7,322	10,016	10,750	11,377	38	35	8,435	8,975	9,405	9,520
Nebraska	7,873	11,364	11,880	12,479	32	24	9,070	10,183	10,393	10,443
Kansas	8,368	11,689	12,329	12,757	18	21	9,664	10,474	10,787	10,675
South Atlantic	**7,782**	**11,284**	**11,976**	**12,710**	(x)	(x)	**8,966**	**10,111**	**10,478**	**10,636**
Delaware	8,259	12,015	12,767	13,572	25	13	9,515	10,766	11,170	11,357
Maryland	8,942	13,423	14,228	15,128	12	7	10,302	12,028	12,448	12,660
District of Columbia	10,290	14,595	15,558	16,706	(x)	(x)	11,855	13,078	13,613	13,982
Virginia	8,296	12,284	13,140	13,979	23	10	9,558	11,007	11,496	11,698
West Virginia	6,773	8,828	9,263	9,587	46	49	7,803	7,910	8,104	8,023
North Carolina	6,819	9,893	10,564	11,239	45	36	7,856	8,865	9,243	9,405
South Carolina	6,505	9,218	9,684	10,238	48	42	7,494	8,260	8,473	8,568
Georgia	7,088	10,546	11,276	11,918	41	31	8,166	9,450	9,866	9,973
Florida	8,384	11,911	12,543	13,314	19	17	9,659	10,673	10,974	11,142
East South Central	**6,692**	**9,180**	**9,697**	**10,294**	(x)	(x)	**7,710**	**8,226**	**8,484**	**8,614**
Kentucky	6,952	9,284	9,731	10,354	43	41	8,009	8,319	8,513	8,664
Tennessee	6,991	9,808	10,482	11,209	42	37	8,054	8,789	9,170	9,380
Alabama	6,574	9,105	9,594	10,068	47	45	7,573	8,159	8,393	8,425
Mississippi	5,953	8,001	8,374	8,868	50	50	6,858	7,169	7,326	7,421
West South Central	**7,920**	**10,884**	**10,963**	**11,176**	(x)	(x)	**9,125**	**9,752**	**9,591**	**9,352**
Arkansas	6,479	9,166	9,642	9,998	49	48	7,464	8,213	8,435	8,367
Louisiana	7,406	9,825	9,794	9,933	36	47	8,532	8,804	8,569	8,312
Oklahoma	7,939	9,851	9,950	10,089	30	44	9,147	8,827	8,705	8,443
Texas	8,298	11,630	11,666	11,886	22	32	9,560	10,421	10,207	9,946
Mountain	**8,096**	**10,955**	**11,404**	**11,787**	(x)	(x)	**9,327**	**9,816**	**9,977**	**9,864**
Montana	7,692	9,678	10,302	10,788	33	38	8,862	8,672	9,014	9,028
Idaho	7,451	9,508	9,828	10,404	34	40	8,584	8,520	8,598	8,707
Wyoming	9,420	10,707	10,615	10,454	6	39	10,853	9,594	9,287	8,748
Colorado	8,944	12,532	12,892	13,158	11	18	10,304	11,229	11,279	11,011
New Mexico	7,138	9,696	9,915	10,113	40	43	8,223	8,688	8,674	8,463
Arizona	7,943	11,262	11,931	12,428	29	26	9,151	10,091	10,438	10,400
Utah	6,874	9,145	9,468	9,727	44	48	7,920	8,194	8,283	8,139
Nevada	9,714	12,409	13,179	13,896	5	11	11,191	11,119	11,530	11,628
Pacific	**9,656**	**13,318**	**13,982**	**14,690**	(x)	(x)	**11,125**	**11,934**	**12,233**	**12,293**
Washington	9,213	12,458	13,185	13,773	7	12	10,615	11,163	11,535	11,526
Oregon	8,304	10,793	11,395	11,960	21	30	9,566	9,671	9,969	10,008
California	9,875	13,715	14,384	15,138	3	6	11,377	12,289	12,584	12,668
Alaska	11,572	16,250	16,010	15,724	1	4	13,332	14,561	14,007	13,158
Hawaii	9,065	11,980	12,684	13,481	9	15	10,443	10,735	11,097	11,284

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues; and unpublished data.

No. 700. Personal Income in Current and Constant (1982) Dollars—States: 1970 to 1987

[1987 preliminary. Represents a measure of income received from all sources during the calendar year by the residents of each State. Data exclude Federal employees overseas and, for 1980, U.S. residents employed by private U.S. firms on temporary foreign assignment. Totals may differ from those in tables 689, 690, and 695. See text, section 14. For composition of regions, see fig. I, inside front cover. Minus sign (-) indicates decrease]

REGION, DIVISION, AND STATE	CURRENT DOLLARS (bil. dol.)				CONSTANT (1982) DOLLARS							
					Total (bil. dol.)				Average annual percent change [1]			Percent of U.S.
	1970	1980	1986	1987	1970	1980	1986	1987	1970–1980	1980–1986	1986–1987	1970
U.S.	**825.5**	**2,254.1**	**3,521.4**	**3,768.1**	**1,846.8**	**2,596.9**	**3,080.8**	**3,153.2**	**3.5**	**2.9**	**2.4**	100.0
Regions:												
Northeast	223.8	521.5	831.1	897.3	500.7	600.8	727.1	750.9	1.8	3.2	3.3	27.1
Midwest	229.4	584.4	848.1	898.3	513.1	673.3	742.0	751.7	2.8	1.6	1.3	27.8
South	218.5	677.4	1,089.7	1,162.7	488.8	780.4	953.4	972.9	4.8	3.4	2.1	26.5
West	153.9	470.8	752.5	809.9	344.2	542.3	658.4	677.7	4.7	3.3	2.9	18.6
N.E.	**52.8**	**130.4**	**218.6**	**238.6**	**118.1**	**150.2**	**191.3**	**199.7**	**2.4**	**4.1**	**4.4**	**6.4**
ME	3.4	9.3	15.1	16.6	7.6	10.7	13.2	13.9	3.5	3.6	5.2	.4
NH	2.9	9.0	16.8	18.5	6.5	10.4	14.7	15.5	4.9	5.9	5.2	.3
VT	1.6	4.4	7.2	7.8	3.6	5.1	6.3	6.6	3.5	3.7	4.1	.2
MA	25.7	60.9	102.9	112.1	57.6	70.2	90.0	93.8	2.0	4.2	4.2	3.1
RI	3.9	9.0	14.2	15.3	8.6	10.4	12.4	12.8	1.9	3.0	3.2	.5
CT	15.3	37.7	62.4	68.3	34.2	43.4	54.6	57.1	2.4	3.9	4.6	1.9
M.A.	**171.0**	**391.1**	**612.5**	**658.6**	**382.5**	**450.6**	**535.9**	**551.2**	**1.7**	**2.9**	**2.9**	**20.7**
NY	88.7	188.3	299.3	320.9	198.5	217.0	261.9	268.6	.9	3.2	2.6	10.7
NJ	34.5	85.4	143.3	156.1	77.3	98.3	125.4	130.7	2.4	1	4.2	4.2
PA	47.7	117.4	169.9	181.6	106.8	135.3	148.6	151.9	2.4	1.6	2.2	5.8
E.N.C.	**167.4**	**420.3**	**602.1**	**637.5**	**374.5**	**484.2**	**526.8**	**533.4**	**2.6**	**1.4**	**1.3**	**20.3**
OH	43.0	105.0	148.9	157.6	96.3	121.0	130.3	131.9	2.3	1.2	1.2	5.2
IN	19.6	50.8	72.2	77.0	43.9	58.5	63.2	64.4	2.9	1.3	1.9	2.4
IL	50.8	124.0	179.1	190.4	113.6	142.8	156.7	159.4	2.3	1.6	1.7	6.1
MI	36.8	94.1	135.3	141.6	82.2	108.4	118.4	118.5	2.8	1.5	.1	4.5
WI	17.2	46.4	66.6	70.9	38.5	53.5	58.3	59.3	3.3	1.4	1.8	2.1
W.N.C.	**62.0**	**164.1**	**245.9**	**260.9**	**138.7**	**189.1**	**215.2**	**218.3**	**3.1**	**2.2**	**1.5**	**7.5**
MN	15.2	41.1	63.2	67.6	34.1	47.4	55.3	56.6	3.3	2.6	2.4	1.8
IA	10.8	27.8	38.0	40.3	24.1	32.0	33.2	33.8	2.9	.6	1.6	1.3
MO	17.8	45.8	70.6	74.9	39.9	52.7	61.8	62.7	2.8	2.7	1.5	2.2
ND	1.9	5.6	8.4	8.7	4.3	6.4	7.4	7.3	4.0	2.3	-1.0	.2
SD	2.1	5.7	8.4	8.9	4.8	6.5	7.3	7.4	3.2	1.9	1.9	.3
NE	5.6	14.6	21.7	22.8	12.5	16.8	19.0	19.1	3.0	2.0	.8	.7
KS	8.5	23.6	35.7	37.4	19.0	27.1	31.2	31.3	3.7	2.3	.4	1.0
S.A.	**113.8**	**340.6**	**576.7**	**626.9**	**254.5**	**392.4**	**504.6**	**524.6**	**4.4**	**4.3**	**4.0**	**13.8**
DE	2.5	6.1	9.8	10.8	5.6	7.0	8.6	9.0	2.2	3.4	4.8	.3
MD	17.6	45.6	75.6	82.2	39.4	52.5	66.1	68.8	2.9	3.9	4.1	2.1
DC	4.0	7.9	11.8	12.7	8.9	9.1	10.3	10.6	.2	2.2	3.1	.5
VA	17.4	52.8	89.4	97.5	39.0	60.8	78.2	81.6	4.5	4.3	4.4	2.1
WV	5.4	15.5	20.3	20.9	12.0	17.8	17.8	17.5	4.0	-	-1.5	.7
NC	16.5	47.2	78.7	85.4	36.9	54.4	68.8	71.4	3.9	4.0	3.8	2.0
SC	7.8	23.8	38.2	41.1	17.5	27.4	33.4	34.4	4.6	3.3	3.0	.9
GA	15.6	45.8	82.1	89.0	34.8	52.8	71.8	74.5	4.3	5.3	3.7	1.9
FL	27.0	96.1	171.0	187.4	60.4	110.7	149.6	156.8	6.2	5.1	4.8	3.3
E.S.C.	**38.5**	**113.9**	**170.6**	**183.2**	**86.1**	**131.2**	**149.3**	**153.3**	**4.3**	**2.2**	**2.7**	**4.7**
KY	10.1	29.4	42.0	44.9	22.7	33.0	36.7	37.6	4.1	1.4	2.4	1.2
TN	12.4	37.0	57.5	62.5	27.8	42.6	50.3	52.3	4.4	2.8	4.0	1.5
AL	10.2	30.1	45.7	48.8	22.7	34.6	40.0	40.8	4.3	2.4	2.0	1.2
MS	5.8	17.5	25.4	27.0	12.9	20.2	22.2	22.6	4.6	1.6	1.9	.7
W.S.C.	**66.3**	**222.9**	**342.4**	**352.5**	**148.2**	**256.8**	**299.5**	**295.0**	**5.6**	**2.6**	**-1.5**	**8.0**
AR	5.5	17.1	26.1	27.5	12.2	19.7	22.9	23.0	4.9	2.5	.6	.7
LA	11.2	36.7	50.5	51.2	25.1	42.3	44.2	42.8	5.4	.8	-3.1	1.4
OK	8.8	28.6	40.5	41.1	19.7	32.9	35.4	34.4	5.3	1.2	-3.0	1.1
TX	40.8	140.5	225.2	232.8	91.2	161.9	197.0	194.8	5.9	3.3	-1.1	4.9
Mt.	**31.1**	**108.1**	**171.6**	**181.3**	**69.6**	**124.6**	**150.1**	**151.7**	**6.0**	**3.2**	**1.1**	**3.8**
MT	2.5	7.0	9.6	10.0	5.5	8.1	8.4	8.4	4.0	.6	-.3	.3
ID	2.5	8.1	11.2	11.8	5.6	9.4	9.8	9.9	5.3	.7	1.2	.3
WY	1.3	5.4	6.5	6.2	2.8	6.2	5.6	5.2	8.1	-1.5	-7.7	.2
CO	9.0	30.8	49.4	51.4	20.0	35.5	43.2	43.0	5.9	3.3	-.5	1.1
NM	3.2	10.7	16.9	17.8	7.2	12.3	14.8	14.9	5.5	3.1	.6	.4
AZ	6.8	25.1	44.9	48.5	15.2	28.9	39.2	40.6	6.6	5.2	3.3	.8
UT	3.5	11.7	18.3	19.1	7.9	13.5	16.0	16.0	5.6	2.9	.1	.4
NV	2.4	9.3	14.9	16.5	5.4	10.7	13.1	13.8	7.1	3.5	5.5	.3
Pac.	**122.8**	**362.6**	**580.9**	**628.6**	**274.6**	**417.8**	**508.3**	**526.0**	**4.3**	**3.3**	**3.5**	**14.9**
WA	14.2	44.6	66.3	70.8	31.8	51.3	58.0	59.2	4.9	2.1	2.1	1.7
OR	8.2	26.1	35.8	38.2	18.3	30.0	31.3	32.0	5.1	.7	2.2	1.0
CA	95.0	276.1	453.4	493.0	212.6	318.1	396.7	412.5	4.1	3.7	4.0	11.5
AK	1.5	5.6	9.8	9.6	3.5	6.5	8.6	8.0	6.4	4.8	-6.3	.2
HI	3.8	10.3	15.6	17.0	8.4	11.8	13.7	14.2	3.4	2.4	3.8	.5

- Represents zero. [1] For definition of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* August issues, and unpublished data.

No. 701. Personal Income Per Capita in Current and Constant (1982) Dollars—States: 1970 to 1987

[1987 preliminary. See headnote, table 700]

REGION, DIVISION, AND STATE	CURRENT DOLLARS							CONSTANT (1982) DOLLARS				
	1970	1980	1985	1986	1987	Income rank		1970	1980	1985	1986	1987
						1980	1987					
U.S.	**4,051**	**9,919**	**13,895**	**14,606**	**15,481**	(x)	(x)	**9,063**	**11,427**	**12,451**	**12,779**	**12,955**
Region:												
Northeast	4,553	10,603	15,579	16,604	17,846	(x)	(x)	10,186	12,216	13,960	14,526	14,934
Midwest	4,047	9,919	13,572	14,303	15,088	(x)	(x)	9,055	11,427	12,162	12,514	12,626
South	3,467	8,944	12,606	13,128	13,860	(x)	(x)	7,757	10,305	11,295	11,486	11,599
West	4,401	10,843	14,748	15,438	16,295	(x)	(x)	9,846	12,492	13,215	13,507	13,636
New England	**4,445**	**10,542**	**15,944**	**17,158**	**18,579**	(x)	(x)	**9,943**	**12,145**	**14,287**	**15,011**	**15,547**
Maine	3,405	8,218	11,876	12,846	13,954	39	31	7,617	9,468	10,642	11,239	11,677
New Hampshire	3,890	9,788	15,373	16,396	17,529	23	8	8,702	11,276	13,775	14,345	14,669
Vermont	3,604	8,577	12,383	13,320	14,302	35	27	8,063	9,881	11,096	11,654	11,968
Massachusetts	4,514	10,612	16,305	17,635	19,142	12	3	10,098	12,226	14,610	15,429	16,018
Rhode Island	4,050	9,518	13,763	14,589	15,555	27	18	9,060	10,965	12,332	12,764	13,017
Connecticut	5,037	12,112	18,217	19,547	21,266	2	1	11,268	13,954	16,323	17,101	17,796
Middle Atlantic	**4,588**	**10,624**	**15,455**	**16,414**	**17,595**	(x)	(x)	**10,263**	**12,240**	**13,849**	**14,361**	**14,724**
New York	4,855	10,721	15,786	16,821	18,004	10	6	10,861	12,351	14,145	14,717	15,066
New Jersey	4,805	11,573	17,626	18,793	20,352	4	2	10,749	13,333	15,794	16,442	17,031
Pennsylvania	4,042	9,891	13,573	14,281	15,212	18	20	9,043	11,395	12,162	12,494	12,730
East North Central	**4,151**	**10,077**	**13,700**	**14,432**	**15,212**	(x)	(x)	**9,287**	**11,610**	**12,276**	**12,626**	**12,730**
Ohio	4,033	9,723	13,219	13,857	14,612	25	24	9,022	11,202	11,845	12,123	12,228
Indiana	3,771	9,245	12,433	13,124	13,914	31	32	8,436	10,651	11,141	11,482	11,644
Illinois	4,563	10,837	14,728	15,503	16,442	7	11	10,208	12,485	13,197	13,563	13,759
Michigan	4,133	10,165	14,008	14,807	15,393	15	19	9,246	11,711	12,552	12,955	12,881
Wisconsin	3,889	9,845	13,174	13,923	14,742	20	22	8,700	11,342	11,805	12,181	12,336
West North Central	**3,791**	**9,534**	**13,269**	**13,998**	**14,792**	(x)	(x)	**8,481**	**10,984**	**11,890**	**12,246**	**12,378**
Minnesota	3,995	10,062	14,149	14,995	15,927	16	13	8,937	11,592	12,678	13,119	13,328
Iowa	3,804	9,537	12,570	13,335	14,236	26	29	8,510	10,987	11,263	11,667	11,913
Missouri	3,809	9,298	13,256	13,946	14,687	29	23	8,521	10,712	11,878	12,201	12,290
North Dakota	3,129	8,538	11,921	12,440	13,004	37	35	7,000	9,836	10,682	10,884	10,882
South Dakota	3,200	8,217	11,017	11,803	12,560	40	39	7,159	9,467	9,872	10,326	10,502
Nebraska	3,759	9,274	12,982	13,572	14,328	30	25	8,409	10,684	11,633	11,874	11,990
Kansas	3,770	9,941	13,826	14,503	15,126	17	21	8,434	11,453	12,389	12,689	12,658
South Atlantic	**3,694**	**9,171**	**13,301**	**14,087**	**15,040**	(x)	(x)	**8,265**	**10,566**	**11,918**	**12,325**	**12,586**
Delaware	4,587	10,249	14,590	15,498	16,696	14	9	10,262	11,808	13,073	13,559	13,972
Maryland	4,475	10,790	15,980	16,934	18,124	8	5	10,011	12,431	14,319	14,815	15,167
District of Columbia	5,250	12,322	17,756	18,876	20,457	(x)	(x)	11,745	14,196	15,910	16,514	17,119
Virginia	3,743	9,827	14,472	15,423	16,517	21	10	8,374	11,321	12,968	13,493	13,822
West Virginia	3,078	7,915	10,099	10,587	11,020	46	49	6,886	9,119	9,049	9,262	9,222
North Carolina	3,236	7,999	11,665	12,423	13,314	44	34	7,239	9,215	10,453	10,869	11,141
South Carolina	3,004	7,589	10,734	11,286	12,004	48	42	6,720	8,743	9,618	9,874	10,045
Georgia	3,377	8,348	12,618	13,454	14,300	38	28	7,555	9,618	11,306	11,771	11,967
Florida	3,943	9,764	13,921	14,622	15,584	24	16	8,821	11,249	12,474	12,793	13,041
East South Central	**2,997**	**7,752**	**10,645**	**11,224**	**11,985**	(x)	(x)	**6,705**	**8,930**	**9,538**	**9,820**	**10,029**
Kentucky	3,141	8,022	10,775	11,268	12,059	43	41	7,027	9,242	9,655	9,858	10,091
Tennessee	3,151	8,030	11,263	11,984	12,880	42	36	7,049	9,251	10,092	10,485	10,778
Alabama	2,945	7,704	10,705	11,293	11,940	47	43	6,588	8,876	9,592	9,880	9,992
Mississippi	2,597	6,926	9,239	9,663	10,292	50	50	5,810	7,979	8,279	8,454	8,613
West South Central	**3,418**	**9,326**	**12,669**	**12,744**	**13,100**	(x)	(x)	**7,647**	**10,744**	**11,352**	**11,150**	**10,962**
Arkansas	2,827	7,465	10,523	11,025	11,507	49	46	6,324	8,600	9,429	9,646	9,629
Louisiana	3,071	8,682	11,291	11,233	11,473	34	47	6,870	10,002	10,117	9,828	9,601
Oklahoma	3,436	9,393	12,124	12,249	12,551	28	38	7,687	10,821	10,864	10,717	10,503
Texas	3,629	9,798	13,466	13,494	13,866	22	33	8,119	11,288	12,066	11,806	11,603
Mountain	**3,725**	**9,445**	**12,723**	**13,218**	**13,769**	(x)	(x)	**8,334**	**10,881**	**11,401**	**11,564**	**11,522**
Montana	3,528	8,924	11,021	11,726	12,347	33	40	7,893	10,281	9,875	10,259	10,332
Idaho	3,467	8,569	10,823	11,172	11,868	36	45	7,756	9,872	9,698	9,774	9,931
Wyoming	3,797	11,339	12,827	12,723	12,709	6	37	8,494	13,063	11,494	11,131	10,635
Colorado	4,025	10,598	14,678	15,114	15,584	13	17	9,004	12,210	13,152	13,223	13,041
New Mexico	3,145	8,169	11,203	11,459	11,875	41	44	7,036	9,411	10,039	10,025	9,937
Arizona	3,789	9,172	12,955	13,679	14,315	32	26	8,477	10,567	11,608	11,968	11,979
Utah	3,297	7,952	10,642	10,968	11,366	45	48	7,376	9,161	9,536	9,596	9,511
Nevada	4,878	11,421	14,671	15,453	16,366	5	12	10,913	13,158	13,146	13,520	13,695
Pacific	**4,614**	**11,343**	**15,485**	**16,244**	**17,206**	(x)	(x)	**10,321**	**13,069**	**13,876**	**14,212**	**14,398**
Washington	4,165	10,725	14,060	14,866	15,599	9	15	9,318	12,356	12,599	13,006	13,054
Oregon	3,889	9,866	12,628	13,239	14,041	19	30	8,700	11,366	11,315	11,583	11,750
California	4,746	11,603	16,016	16,792	17,821	3	7	10,617	13,368	14,351	14,691	14,913
Alaska	5,073	13,835	18,726	18,378	18,230	1	4	11,349	15,939	16,780	16,079	15,255
Hawaii	4,944	10,617	13,867	14,883	15,679	11	14	11,060	12,232	12,426	12,846	13,121

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* August issues; and unpublished data.

NO. 702. TOTAL PERSONAL INCOME AND PERSONAL INCOME PER CAPITA FOR SELECTED METROPOLITAN AREAS: 1984 TO 1986

[As defined **June 30, 1986**, CMSA=Consolidated Metropolitan Statistical Area; NECMA=New England County Metropolitan Are MSA=Metropolitan Statistical Area. See text, section 1 and Appendix II. Minus sign (−) indicates decrease]

METROPOLITAN AREA, RANKED BY 1987 POPULATION [1]	TOTAL PERSONAL INCOME				PER CAPITA PERSONAL INCOME		
	1984 (mil. dol.)	1985 (mil. dol.)	1986 (mil. dol.)	Annual percent change 1985–86	1984 (dol.)	1985 (dol.)	1986 (dol.)
United States [2]	**3,101,163**	**3,320,346**	**3,528,589**	**6.3**	**13,116**	**13,919**	**14,639**
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA [3]	296,236	317,683	343,124	8.0	16,724	17,858	19,238
Los Angeles-Anaheim-Riverside, CA CMSA	189,261	205,928	222,432	8.0	15,156	16,139	17,012
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA	119,545	126,332	133,924	6.0	14,839	15,634	16,501
San Francisco-Oakland-San Jose, CA CMSA	102,338	110,421	117,968	6.8	17,931	19,029	20,070
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	82,356	88,903	94,919	6.8	14,302	15,364	16,274
Detroit-Ann Arbor, MI CMSA	65,896	72,041	76,769	6.6	14,380	15,688	16,686
Boston-Lawrence-Salem-Lowell-Brockton, MA NECMA	59,929	64,616	70,237	8.7	16,198	17,411	18,959
Dallas-Fort Worth, TX CMSA	52,547	58,146	60,690	4.4	15,548	16,492	16,603
Washington, DC-MD-VA MSA	60,248	66,153	71,769	8.5	17,519	18,935	20,148
Houston-Galveston-Brazoria, TX CMSA	52,213	54,572	54,101	−.9	14,541	15,136	14,686
Miami-Fort Lauderdale, FL CMSA	40,407	43,650	47,010	7.7	14,274	15,238	16,144
Cleveland-Akron-Lorain, OH CMSA	38,567	40,646	42,560	4.7	13,843	14,659	15,369
Atlanta, GA MSA	34,082	38,221	42,012	9.9	14,324	15,478	16,408
St. Louis, MO-IL MSA	34,266	36,497	38,658	5.9	14,257	15,067	15,857
Seattle-Tacoma, WA CMSA	32,934	35,512	38,378	8.1	14,897	15,779	16,790
Minneapolis-St. Paul, MN-WI MSA	34,494	37,118	39,599	6.7	15,487	16,411	17,253
Baltimore, MD MSA	32,567	35,185	37,481	6.5	14,551	15,627	16,439
Pittsburgh-Beaver Valley, PA CMSA	30,733	31,952	33,209	3.9	12,972	13,687	14,338
San Diego, CA MSA	29,154	32,219	35,090	8.9	14,053	15,108	15,940
Tampa-St. Petersburg-Clearwater, FL MSA	23,511	25,714	27,833	8.2	12,927	13,747	14,539
Phoenix, AZ MSA	23,493	26,467	29,062	9.8	13,567	14,569	15,294
Denver-Boulder, CO CMSA	28,435	30,092	31,433	4.5	15,820	16,462	17,014
Cincinnati-Hamilton, OH-KY-IN CMSA	21,744	23,115	24,649	6.6	12,907	13,748	14,585
Milwaukee-Racine, WI CMSA	22,216	23,304	24,550	5.3	14,342	15,022	15,818
Kansas City, MO-KS MSA	20,654	22,315	23,670	6.1	13,962	14,885	15,595
Portland-Vancouver, OR-WA CMSA	17,995	19,086	20,212	5.9	13,447	14,139	14,818
Norfolk-Virginia Beach-Newport News, VA MSA	15,521	16,801	18,156	8.1	12,281	13,124	13,866
Sacramento, CA MSA	16,469	18,206	19,828	8.9	13,475	14,494	15,354
New Orleans, LA MSA	16,428	16,975	17,131	.9	12,406	12,764	12,838
Columbus, OH MSA	16,415	17,687	18,810	6.3	12,873	13,745	14,476
San Antonio, TX MSA	14,066	15,537	16,221	4.4	11,692	12,514	12,709
Indianapolis, IN MSA	15,736	16,894	18,000	6.5	13,178	14,039	14,844
Buffalo-Niagara Falls, NY CMSA	15,323	16,063	16,890	5.1	12,849	13,556	14,294
Hartford-New Britain-Middletown-Bristol, CT NECMA	17,381	18,745	20,405	8.9	16,275	17,418	18,834
Charlotte-Gastonia-Rock Hill, NC-SC MSA	12,834	13,963	15,206	8.9	12,442	13,257	14,273
Salt Lake City-Ogden, UT MSA	11,150	11,934	12,460	4.4	11,041	11,640	11,964
Rochester, NY MSA	13,965	14,960	15,854	6.0	14,298	15,336	16,172
Oklahoma City, OK MSA	12,814	13,242	13,267	.2	13,191	13,526	13,497
Memphis, TN-AR-MS MSA	11,193	12,001	12,838	7.0	11,935	12,631	13,380
Louisville, KY-IN MSA	11,922	12,527	13,187	5.3	12,371	13,000	13,697
Nashville, TN MSA	11,092	12,200	13,261	8.7	12,392	13,392	14,248
Dayton-Springfield, OH MSA	11,953	12,783	13,488	5.5	12,864	13,737	14,449
Orlando, FL MSA	10,594	11,801	13,001	10.2	12,781	13,680	14,471
Birmingham, AL MSA	10,412	11,231	11,933	6.3	11,619	12,417	13,099
Greensboro-Winston Salem-High Point, NC MSA	11,262	12,142	13,044	7.4	12,730	13,576	14,501
Providence-Pawtucket-Woonsocket, RI NECMA	11,337	11,997	12,803	6.7	12,932	13,591	14,385
Jacksonville, FL MSA	9,935	10,911	11,760	7.8	12,448	13,219	13,792
Albany-Schenectady-Troy, NY MSA	11,089	11,807	12,688	7.5	13,250	14,071	15,041

X Not applicable. [1] For 1987 population, see table 36. [2] Includes other areas not listed separately. [3] Includes Bridgeport-Stamford-Norwalk-Danbury, CT NECMA.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, April issues; and unpublished data.

No. 703. Percent Distribution and Average Annual Percent Change of Shares of National Income, by Type: 1970 to 1987

[For definition of average annual percent change, see Guide to Tabular Presentation]

TYPE OF INCOME	PERCENT DISTRIBUTION						AVERAGE ANNUAL PERCENT CHANGE				
	1970	1975	1980	1985	1986	1987	1970-1975	1975-1980	1980-1985	1985-1986	1986-1987
National income, total	100.0	100.0	100.0	100.0	100.0	100.0	9.1	11.3	8.0	5.3	7.0
Compensation of employees	74.3	73.6	74.3	73.2	72.9	72.9	8.9	11.5	7.6	5.9	7.0
Wages and salaries	66.2	63.2	62.3	61.1	60.9	61.1	8.1	11.0	7.6	6.0	7.4
Supplements to wages, salaries	8.0	10.4	12.1	12.1	12.0	11.8	14.9	14.7	8.1	5.3	5.3
Proprietors' income [1]	9.6	9.7	8.2	7.9	8.3	8.5	9.4	7.6	7.2	12.0	9.1
Farm	1.8	2.0	.9	.9	1.1	1.2	11.6	−4.2	8.1	20.5	18.1
Nonfarm	7.9	7.8	7.3	7.0	7.3	7.3	8.9	9.9	7.1	10.9	7.9
Rental income of persons [2]	2.2	1.0	.3	.3	.4	.5	−5.8	−13.3	6.9	34.8	48.4
Corporate profits [1]	9.0	9.1	8.0	8.7	8.7	8.4	9.5	8.5	9.8	5.9	3.8
Profits before tax	9.1	10.5	10.8	6.9	6.9	7.5	12.1	12.0	−1.1	5.4	17.0
Profits after tax	5.0	6.5	6.9	4.0	3.8	3.9	15.0	12.7	−3.5	1.6	10.1
Inventory valuation adjustment	−.8	−.9	−2.0	(−Z)	.2	−.5	(X)	(X)	(X)	(X)	(X)
Capital consumption adjustment	.6	−.5	−.8	1.8	1.6	1.4	(X)	(X)	28.9	−9.2	−4.6
Net interest	4.9	6.5	9.1	9.9	9.7	9.6	15.3	19.1	9.7	4.0	6.5

X Not applicable. Z Less than .05 percent. [1] With inventory valuation and capital consumption adjustments. [2] With capital consumption adjustment.

Source: Compiled by U.S. Bureau of the Census; based on data from U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July issues.

No. 704. Flow of Funds Accounts—Composition of Individuals' Savings: 1970 to 1987

[**In billions of dollars.** Combined statement for households, farm and nonfarm, noncorporate business, nonprofit organizations, and personal trusts. Minus sign (−) indicates decrease. See *Historical Statistics, Colonial Times to 1970*, series F 566–594, for similar but not exactly comparable data]

COMPOSITION OF SAVINGS	1970	1975	1980	1982	1983	1984	1985	1986	1987
Increase in financial assets	83.3	182.3	314.5	391.9	468.5	544.1	549.3	534.6	416.5
Checkable deposits and currency	8.9	6.1	11.2	18.0	37.0	16.7	39.3	101.0	16.3
Time and savings deposits	43.6	77.7	122.9	117.8	196.7	221.5	129.8	104.1	93.0
Money market fund shares	-	1.3	24.5	32.8	−31.1	44.0	12.1	42.6	27.9
Securities	.4	14.2	4.0	57.6	92.4	73.4	125.9	37.2	77.1
U.S. savings bonds	.3	4.0	−7.3	.2	3.1	3.0	5.3	13.6	7.8
Other U.S. Treasury securities	−11.5	14.8	26.0	52.5	66.8	76.5	25.8	−2.8	25.7
U.S. Government agency securities	6.1	−4.1	4.9	−1.0	−10.5	15.3	28.2	−11.0	14.2
Tax-exempt obligations	−.9	6.2	7.0	24.7	39.1	29.5	47.9	−8.2	55.7
Corporate and foreign bonds	10.7	8.3	−13.2	(Z)	−11.6	5.2	11.8	34.7	23.0
Open-market paper	−3.7	−11.2	−2.4	−13.6	1.4	−.1	39.9	−10.4	5.0
Mutual fund shares	2.0	−.4	1.1	7.0	24.0	24.0	69.8	154.1	68.6
Other corporate equities	−2.6	−3.5	−12.0	−12.1	−19.9	−80.0	−102.7	−132.8	−122.7
Private life insurance reserves	5.2	7.9	9.7	7.0	7.8	5.0	10.4	17.2	15.2
Private insured pension reserves	2.9	8.7	22.3	39.7	38.8	46.7	63.4	77.5	80.4
Private noninsured pension reserves	7.2	40.2	51.2	48.5	53.5	36.8	48.4	28.3	14.1
Government insurance and pension reserves	8.9	15.1	35.3	43.9	53.5	63.9	72.3	78.7	66.4
Miscellaneous financial assets	6.3	11.1	33.4	26.7	19.9	35.9	47.8	48.0	26.0
Gross investment in tangible assets	150.5	236.4	403.4	434.0	505.1	607.7	635.0	701.0	732.5
Owner-occupied homes	28.1	51.9	113.6	89.9	124.9	154.6	159.7	182.0	205.3
Other fixed assets [1]	36.4	45.1	79.6	94.8	98.8	101.5	102.8	107.2	96.6
Consumer durables	85.7	135.4	219.3	252.7	289.1	335.6	368.7	402.4	413.7
Inventories [1]	.4	4.0	−9.1	−3.4	−7.6	16.1	3.8	9.4	16.9
Capital consumption allowances	102.9	173.0	311.1	365.1	381.9	399.3	424.6	450.4	483.5
Owner-occupied homes	13.5	24.4	47.0	54.3	57.0	60.0	64.4	67.1	70.0
Other fixed assets [1]	23.7	41.6	76.8	95.5	98.4	102.6	105.7	108.3	114.3
Consumer durables	65.8	107.0	187.4	215.4	226.4	236.7	254.6	275.0	299.2
Net investment in tangible assets	47.6	63.4	92.3	68.9	123.2	208.4	210.4	250.6	248.9
Owner-occupied homes	14.6	27.5	66.6	35.6	67.8	94.6	95.4	114.9	135.3
Other fixed assets [1]	12.7	3.5	2.9	−.6	.3	−1.1	−2.9	−1.1	−17.7
Consumer durables	19.9	28.4	31.9	37.2	62.7	98.8	114.1	127.4	114.5
Inventories [1]	.4	4.0	−9.1	−3.4	−7.6	16.1	3.8	9.4	16.9
Net increase in debt [2]	41.4	76.7	175.6	142.0	280.0	331.5	383.7	392.7	332.2
Mortgage debt on nonfarm homes	13.4	38.2	96.4	49.5	110.8	129.0	151.0	197.4	209.3
Other mortgage debt [1]	16.6	18.4	33.1	37.1	69.3	87.7	86.3	100.6	90.2
Consumer credit	5.5	9.1	2.9	19.3	56.6	90.4	94.6	65.8	41.8
Security credit	−1.8	.7	6.5	3.8	8.4	−3.1	16.7	8.6	−14.1
Other debt [1]	5.4	8.6	30.1	28.1	33.9	27.0	45.2	20.5	5.4
Individuals' saving	89.5	169.0	231.2	318.8	311.7	421.0	366.1	392.6	333.2
Less: Government insurance and pension reserve	8.9	15.1	35.3	43.9	53.5	63.9	72.3	78.7	66.4
Net investment in consumer durables	19.9	28.4	31.9	37.2	62.7	98.8	114.1	127.4	114.5
Capital gains dividends from mutual funds	.9	.2	1.8	2.4	4.4	6.0	4.9	17.5	22.4
Net saving by farm corporations	(Z)	.5	.5	.5	.6	.7	.9	.6	.9
Equals: Personal saving, flow of funds basis [3]	59.8	124.8	161.8	234.8	190.5	251.6	174.0	168.4	128.9

- Represents zero. Z Less than $50 million. [1] Includes corporate farms. [2] Includes items not shown separately. [3] Personal saving on national income account basis measures personal saving as income less taxes and consumption; flow-of-funds basis measures the same concept from acquisition of assets less borrowing.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts*, quarterly.

NO. 705. ANNUAL GROWTH RATES OF REAL GROSS DOMESTIC PRODUCT—INTERNATIONAL COMPARISONS, SELECTED PERIODS: 1950-86 TO 1985-86

[In percent. See also *Historical Statistics, Colonial Times to 1970*, series F 10-16. Minus sign (–) indicates decline]

COUNTRY	1950-86	1960-70	1970-75	1975-80	1980-85	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
United States	3.2	3.8	2.3	2.8	3.0	2.0	–	3.7	–2.5	4.0	7.0	3.1	3.0
Per capita	1.9	2.5	1.2	1.7	2.0	.9	–1.2	2.6	–3.5	3.0	6.0	2.2	2.0
Canada	4.5	5.2	5.2	4.6	2.8	3.9	1.5	3.7	–3.2	3.2	6.3	4.2	3.3
Per capita	2.7	3.3	3.9	3.3	1.7	2.9	.2	2.4	–4.4	2.2	5.3	3.3	2.1
France	4.1	5.6	4.0	3.6	1.5	3.2	1.6	1.2	2.5	.7	1.4	1.7	2.1
Per capita	3.3	4.5	3.2	3.0	1.0	2.8	1.1	.6	2.0	.2	1.0	1.3	1.7
Italy	[1] 4.2	5.7	2.4	3.1	1.6	4.9	3.9	1.1	.2	.5	3.5	2.7	2.7
Per capita	[1] 3.7	5.0	1.7	2.6	1.4	4.6	3.7	1.0	–	.1	3.2	2.5	2.6
Japan	[2] 7.0	10.5	4.3	4.6	3.9	5.2	4.4	3.9	2.8	3.2	5.0	4.5	2.4
Per capita	[2] 5.9	9.3	2.8	3.4	3.2	4.3	3.6	3.1	2.2	2.4	4.3	3.9	1.9
United Kingdom	2.4	2.8	2.1	1.9	1.8	2.1	–2.1	–1.2	1.1	3.5	2.0	3.7	2.9
Per capita	2.1	2.2	1.9	1.8	1.7	2.0	–2.2	–1.3	1.2	3.4	1.8	3.5	2.7
West Germany	4.4	4.5	2.1	2.7	1.3	4.2	1.4	.2	–.6	1.5	2.7	2.6	2.5
Per capita	3.7	3.6	1.7	2.5	1.4	4.1	1.0	–	–.6	1.9	3.2	2.9	2.5

– Represents zero. [1] Initial year 1951. [2] Initial year 1952.

Source: U.S. Bureau of Economic Analysis. Adapted from *Long Term Economic Growth, 1860-1970*, using data from the Organization for Economic Cooperation and Development.

NO. 706. GROSS DOMESTIC PRODUCT OF SELECTED COUNTRIES AS PERCENT OF UNITED STATES: 1970 TO 1986

[Comparisons are based on constant (1980) price data converted to U.S. dollars using 1980 exchange rates. See text, section 14]

COUNTRY	GROSS DOMESTIC PRODUCT								PER CAPITA GROSS DOMESTIC PRODUCT							
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1975	1980	1982	1983	1984	1985	1986
United States	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Canada	8	9	10	10	10	10	10	10	79	90	93	92	91	90	91	91
France	23	25	25	25	25	23	23	23	92	101	104	108	105	100	99	99
Italy	16	17	17	17	16	16	16	16	63	64	68	70	68	66	66	67
Japan	33	36	39	42	41	40	41	41	65	70	77	82	81	80	81	81
United Kingdom	22	22	20	20	20	19	19	19	80	83	80	81	81	78	79	80
West Germany	30	30	30	30	29	28	28	28	103	105	112	112	111	108	109	109

Source: U.S. Bureau of Economic Analysis. Adapted from *Long Term Economic Growth, 1860-1970*, using data from the Organization for Economic Cooperation and Development.

NO. 707. SELECTED INTERNATIONAL ECONOMIC INDICATORS: 1970 TO 1987

[Data cover gross national product (GNP) at market prices, except for France, Italy, and the United Kingdom, which relate to gross domestic product. Gross fixed capital formation covers private and government sectors except military. Savings data are calculated by deducting outlays—such as personal consumption expenditures, interest paid, and transfer payments to foreigners—from disposable personal income. Minus sign (–) indicates decline]

YEAR	United States	France	West Germany	Italy	Netherlands	United Kingdom	Japan	Canada
GNP growth rates[1] (constant 1982 prices):								
1970	–.3	5.7	5.0	5.3	(NA)	2.2	9.9	2.5
1980	–.2	1.0	1.5	3.9	.8	–2.3	4.3	1.1
1983	3.6	.7	1.5	–.4	1.3	3.6	3.2	3.3
1984	6.8	1.5	3.0	2.6	1.7	2.0	5.1	4.7
1985	3.0	1.3	2.4	2.7	2.0	3.0	4.5	4.9
1986	2.9	2.1	2.5	2.9	1.7	2.9	2.5	3.1
1987	2.9	2.2	1.7	3.1	2.4	3.6	4.4	5.2
Ratio of gross fixed capital formation to GNP (current prices):								
1970	17.7	23.3	25.5	23.1	(NA)	18.3	35.6	21.0
1980	19.0	21.8	22.8	19.8	21.1	18.1	32.0	23.3
1983	17.1	19.8	20.6	18.0	18.1	16.4	28.2	19.9
1984	17.9	19.0	20.2	17.9	18.5	17.4	27.8	18.9
1985	18.0	18.8	19.5	18.2	18.4	17.1	27.8	19.2
1986	17.6	19.1	19.3	20.2	19.6	16.9	27.6	19.6
1987	17.2	19.4	19.2	19.9	20.0	16.9	28.8	20.4
Ratio of savings to disposable personal income:								
1970	8.1	16.7	14.7	[2] 21.6	14.0	9.6	18.2	5.3
1980	7.1	14.9	14.1	22.0	10.9	14.3	19.2	12.3
1983	5.4	14.9	12.5	22.8	13.0	10.6	17.3	13.3
1984	6.1	13.5	13.0	23.0	14.0	10.7	16.0	13.2
1985	4.5	12.3	12.7	19.7	12.4	9.3	16.0	13.9
1986	4.3	12.2	13.3	13.0	13.0	7.4	(NA)	11.5
1987	3.7	(NA)	13.4	(NA)	(NA)	5.6	(NA)	9.3

NA Not available. [1] Growth rates represent percentage change from preceding year. [2] Estimated.

Source: U.S. Dept. of Commerce, International Trade Administration, Office of Trade and Investment Analysis, official trade statistics of listed countries.

AVERAGE ANNUAL INCOME AND EXPENDITURES OF ALL CONSUMER UNITS: 1986

[In dollars. Based on Consumer Expenditure Interview Survey; see text, section 14, for description of survey. In interpreting the expenditure data, several factors should be considered. First, the data are averages for the total civilian noninstitutional population. Second, expenditures reported here are direct out-of-pocket expenditures. Third, approximately 95 percent of all expenditures are covered in the interview survey. Excluded are nonprescription drugs, household supplies and personal care items. The interview survey must be integrated with the Diary survey to provide a complete picture of expenditures]

CHARACTERISTIC	Income before taxes [1]	Total expenditures	Food	Alcoholic beverages	HOUSING				Apparel and services	TRANSPORTATION			Health care	Life insurance	Retirement, pensions, Social Security	Other expenditures [3]	Personal taxes
					Total	Shelter	Fuel, utilities, and public services	Household operations and furnishings		Vehicles	Gasoline and motor oil	All other transportation [2]					
All consumer units	**25,481**	**22,710**	**3,363**	**273**	**6,888**	**3,986**	**1,646**	**1,256**	**1,149**	**2,340**	**916**	**1,559**	**1,062**	**293**	**1,836**	**3,031**	**2,290**
Age of reference person:																	
Under 25 years old	12,445	13,763	2,026	335	4,122	2,654	795	672	871	1,675	655	1,006	336	63	777	1,897	919
25–34 years old	25,831	22,500	3,117	354	7,473	4,588	1,510	1,375	1,161	2,587	919	1,546	686	223	1,967	2,469	2,366
35–44 years old	34,232	29,587	4,410	300	9,108	5,444	1,937	1,727	1,588	3,019	1,146	1,987	1,005	369	2,697	3,956	3,069
45–54 years old	33,447	30,577	4,439	325	8,448	4,966	2,050	1,432	1,581	3,405	1,219	2,214	1,172	444	2,918	4,412	3,360
55–64 years old	28,413	23,782	3,563	241	6,564	3,442	1,883	1,239	1,125	2,269	1,019	1,672	1,303	403	2,247	3,376	2,848
65–74 years old	17,893	16,898	2,767	151	4,995	2,469	1,593	933	710	1,396	687	1,151	1,537	318	539	2,647	1,187
75 years old and over	12,467	11,746	1,975	67	4,076	2,007	1,349	720	416	650	369	608	1,761	116	146	1,561	732
Region of residence:																	
Northeast	26,594	23,855	3,812	329	7,340	4,377	1,720	1,244	1,301	2,368	821	1,651	1,070	243	1,883	3,038	2,243
Midwest	23,325	21,356	3,114	257	6,232	3,339	1,722	1,171	1,116	2,364	867	1,386	996	282	1,711	3,034	1,900
South	24,587	21,570	3,114	218	6,394	3,515	1,561	1,217	1,049	2,355	964	1,444	1,114	336	1,739	2,845	2,300
West	28,602	25,180	3,626	328	8,094	5,209	1,439	1,446	1,202	2,253	1,000	1,878	1,046	286	2,116	3,350	2,807
Size of consumer unit:																	
One person	14,246	13,309	1,897	277	4,415	2,807	1,005	603	712	998	471	910	716	100	887	1,922	1,462
Two persons	26,686	23,442	3,244	287	6,998	3,999	1,683	1,315	1,106	2,449	922	1,622	1,240	349	1,926	3,299	2,703
Three persons	29,532	26,540	3,788	272	7,843	4,387	1,909	1,548	1,354	3,107	1,102	1,845	1,128	346	2,309	3,446	2,524
Four persons	35,742	30,610	4,672	268	9,303	5,289	2,130	1,884	1,579	3,346	1,251	2,104	1,199	423	2,714	3,751	2,997
Five persons	31,874	29,006	4,980	247	8,269	4,631	2,117	1,521	1,537	3,052	1,304	1,937	1,230	408	2,306	3,734	2,152
Six persons or more	29,795	28,944	5,398	199	8,573	4,779	2,280	1,514	1,517	3,042	1,404	1,890	1,152	360	1,974	3,434	1,740
Income before taxes:																	
Complete income reporters [1]	25,481	23,084	3,346	277	6,935	4,013	1,641	1,281	1,163	2,341	925	1,591	1,071	302	2,026	3,109	2,290
Quintiles of income:																	
Lowest 20 percent	3,808	11,252	2,059	159	3,803	2,145	1,150	509	574	892	489	845	710	135	194	1,593	144
Second 20 percent	10,767	13,749	2,405	159	4,542	2,560	1,356	625	625	1,157	659	897	925	163	513	1,704	398
Third 20 percent	19,534	19,821	3,009	262	6,070	3,490	1,530	1,050	983	1,900	906	1,410	1,129	229	1,352	2,571	1,391
Fourth 20 percent	31,630	26,640	3,768	314	7,607	4,358	1,831	1,418	1,293	2,896	1,169	1,948	1,116	410	2,660	3,457	2,876
Highest 20 percent	61,489	43,853	5,478	489	12,626	7,496	2,337	2,794	2,334	4,843	1,398	3,046	1,471	571	5,393	6,204	6,621
Incomplete reporting of income	(1)	19,380	3,512	240	6,465	3,747	1,682	1,035	1,029	2,332	842	1,273	980	213	149	2,345	(1)

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[1] Income values are derived from "complete income reporters" only. Represents the combined income of all consumer unit members 14 years or over during the 12 months preceding the interview. A complete reporter is a consumer unit providing values for at least one of the major sources of income. [2] Includes other vehicle expenses and public transportation. [3] Includes entertainment, personal care, reading, education, tobacco and smoking supplies, cash contributions, and miscellaneous expenditures. For data on entertainment and reading, see table 378.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: Results from 1986* (BLS News Release, U.S.D.L.: 88–175.)

No. 709. Annual Income and Average Weekly Expenditures of All Consumer Units by Selected Characteristics: 1986

[In dollars. Based on Consumer Expenditure Diary Survey; see text, section 14, for description of survey]

CHARACTERISTIC	Income before taxes [1]	AVERAGE WEEKLY EXPENDITURES															
		Food, total	Food at home									Food away from home	Alcoholic beverages	Tobacco products and smoking supplies	Personal care products and services	Nonprescription drugs and supplies	Housekeeping supplies
			Total	Cereal and bakery products	Beef and pork	Poultry and other meats	Fish, seafood, and eggs	Milk, cream [2] and other dairy products	Fresh fruits and vegetables	Processed fruits and vegetables	Other food at home [3]						
All consumer units	25,784	59.60	37.73	5.29	5.86	3.16	1.78	4.82	3.73	2.41	10.65	21.87	4.84	3.60	5.01	2.31	6.07
Age of reference person:																	
Under 25 years old	12,542	36.46	19.18	2.71	2.67	1.48	.79	2.72	1.45	1.17	6.21	17.28	5.31	2.49	2.65	1.13	2.82
25–34 years old	26,768	59.01	35.63	4.92	5.22	2.99	1.56	4.74	3.20	2.27	10.75	23.37	6.46	3.71	4.66	1.54	5.56
35–44 years old	36,065	77.43	48.10	6.60	7.72	3.96	2.11	6.25	4.32	2.99	13.64	29.33	5.12	4.51	6.43	2.32	7.90
45–54 years old	34,916	78.22	50.75	6.86	8.48	4.34	2.65	6.19	4.77	3.18	14.26	27.47	5.78	5.07	6.35	2.79	7.48
55–64 years old	27,468	60.28	40.23	5.45	6.61	3.35	2.14	4.87	4.51	2.61	10.71	20.05	4.41	3.85	5.59	3.47	6.32
65–74 years old	16,213	45.97	31.12	4.43	4.49	2.73	1.67	3.86	3.95	2.18	7.83	14.84	2.65	2.58	4.44	2.77	6.28
75 years old and over	12,837	34.89	25.64	4.09	3.66	2.01	1.21	3.32	3.28	1.74	6.34	9.25	1.19	1.19	2.99	3.50	3.84
Region of residence:																	
Northeast	27,631	65.75	41.55	5.84	6.27	3.94	2.28	5.36	4.39	2.71	10.76	24.20	5.79	3.65	4.96	2.16	6.13
Midwest	23,180	57.17	35.93	5.28	5.71	2.97	1.31	4.64	3.29	2.24	10.50	21.24	4.53	3.91	4.85	2.66	6.14
South	24,240	54.45	34.35	4.64	5.58	2.87	1.70	4.18	3.15	2.30	9.82	20.10	3.75	3.65	4.84	2.23	5.48
West	29,389	64.61	41.52	5.83	6.07	3.02	2.05	5.52	4.55	2.50	11.96	23.09	6.04	3.06	5.54	2.16	6.92
Size of consumer unit:																	
One person	13,521	31.40	16.55	2.40	2.09	1.34	.84	2.15	1.93	1.16	4.62	14.85	4.68	1.98	2.95	1.52	3.15
Two persons	26,422	58.72	35.80	4.79	5.69	2.96	1.76	4.42	3.99	2.27	9.89	22.92	5.40	3.81	5.53	2.80	6.30
Three persons	31,096	69.74	44.95	6.12	7.33	3.75	2.13	5.50	4.12	2.82	13.16	24.79	4.80	4.56	6.03	2.62	7.21
Four persons	34,709	80.96	54.03	7.78	8.34	4.56	2.44	7.10	4.71	3.45	15.64	26.93	4.49	4.34	5.84	2.42	8.42
Five persons	31,114	88.86	63.44	9.27	10.48	5.53	2.99	8.29	5.57	3.87	17.42	25.43	4.13	5.32	6.11	2.07	8.19
Six persons or more	33,848	101.75	73.37	10.91	11.61	5.88	3.27	10.23	6.63	4.70	20.14	28.38	4.49	4.35	6.95	3.07	8.74
Income before taxes:																	
Complete reporters of income [1]	25,784	61.25	38.71	5.49	5.96	3.10	1.80	4.96	3.75	2.49	11.06	22.54	5.09	3.81	5.26	2.61	6.38
Quintiles of income:																	
Lowest 20 percent	4,261	32.78	23.67	3.53	3.76	2.06	1.28	2.90	2.41	1.61	6.15	9.10	2.46	2.53	2.23	1.41	3.17
Second 20 percent	11,216	44.72	31.10	4.45	4.72	2.73	1.34	4.13	2.99	1.98	8.76	13.62	3.31	3.56	3.86	2.68	4.75
Third 20 percent	19,967	57.47	37.19	5.21	5.79	3.02	1.77	4.76	3.49	2.40	10.75	20.28	4.90	4.54	4.72	2.53	5.51
Fourth 20 percent	31,355	73.49	45.74	6.38	7.23	3.78	2.05	5.92	4.29	2.80	13.28	27.75	6.17	4.50	6.59	1.92	8.36
Highest 20 percent	62,040	97.71	55.79	7.93	8.38	4.31	2.54	7.08	5.54	3.67	16.35	41.91	8.60	3.89	8.91	4.50	10.10
Incomplete reporting of income	(1)	52.88	33.75	4.46	5.38	3.02	1.79	4.29	3.68	2.10	9.02	19.13	3.84	2.76	3.97	1.08	4.82

[1] Income values are derived from "complete income reporters" only. Represents the combined income of all consumer unit members 14 years old or over during the 12 months preceding the interview. A complete reporter is a consumer unit providing at least one of the major sources of its income. [2] Fresh milk and cream. [3] Includes sugar and other sweets, fats and oils, miscellaneous foods and nonalcoholic beverages.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: Results from 1986.* (BLS News Release, U.S.D.L.: 88–175.)

No. 710. Average Annual and Weekly Expenditures of All Consumer Units: 1980 to 1986

[In dollars except as indicated. Based on Consumer Expenditure Interview Survey and Diary Survey; see headnotes, tables 708 and 709. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (–) indicates decrease]

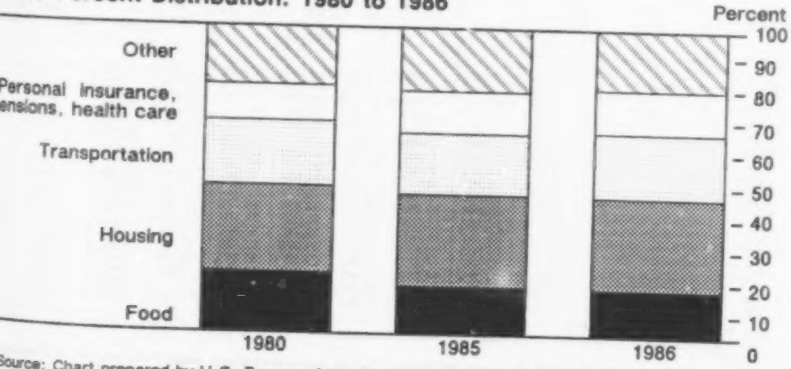
ITEM	1980	1984	1985	1986	AVERAGE ANNUAL PERCENT CHANGE 1980–84	1984–85	1985–86
AVERAGE ANNUAL EXPENDITURES ¹							
All consumer units (1,000)	**82,052**	**90,223**	**91,564**	**93,741**	**2.4**	**1.5**	**2.4**
Age of reference person (years)	46.9	46.7	46.8	46.7	(x)	(x)	(x)
Number of persons in consumer unit	2.7	2.6	2.6	2.6	(x)	(x)	(x)
Number in consumer unit:							
Earners	1.4	1.4	1.4	1.4	(x)	(x)	(x)
Vehicles	2.0	1.9	1.9	2.0	(x)	(x)	(x)
Children under 18	.8	.7	.7	.7	(x)	(x)	(x)
Persons 65 and over	.3	.3	.3	.3	(x)	(x)	(x)
Total expenditures	**16,184**	**20,910**	**22,217**	**22,710**	**6.6**	**6.3**	**2.2**
Food	3,116	3,280	3,394	3,363	1.3	3.5	–.9
Housing	4,643	6,284	6,687	6,888	7.9	6.4	3.0
Shelter	2,530	3,494	3,840	3,986	8.4	9.9	3.8
Utilities, fuel and public service	1,178	1,638	1,648	1,646	8.6	.6	–.1
Housefurnishings and operations	934	1,152	1,200	1,256	5.4	4.2	4.7
Apparel and services	846	1,107	1,161	1,149	7.0	4.9	–1.0
Transportation	3,409	4,264	4,555	4,815	5.8	6.8	5.7
Vehicles	1,181	1,813	2,043	2,340	11.3	12.7	14.5
Gas and motor oil	1,202	1,058	1,035	916	–2.9	–2.2	–11.5
Other transportation	1,027	1,392	1,478	1,559	7.9	6.2	5.5
Health care	728	981	1,037	1,062	7.8	5.7	2.4
Personal insurance and pensions	1,161	1,897	2,016	2,129	13.1	6.3	5.6
All other ²	2,202	3,096	3,386	3,304	8.0	8.7	–1.9
AVERAGE WEEKLY EXPENDITURES ³							
Food, total	48.39	57.13	59.92	59.60	4.2	4.9	–.5
Food at home, total	33.45	37.31	38.60	37.73	2.8	3.5	–2.3
Cereal and bakery products	4.27	5.05	5.44	5.29	4.3	7.7	–2.8
Meats, poultry, fish and eggs	11.58	11.26	11.14	10.81	–.7	–1.1	–3.0
Dairy products	4.47	4.87	5.12	4.82	2.2	5.1	–5.9
Fruits and vegetables	4.92	6.03	6.19	6.14	5.2	2.7	–.8
Other foods at home	8.20	10.11	10.71	10.65	5.4	5.9	–.6
Food away from home	14.94	19.81	21.32	21.87	7.3	7.6	2.6
Alcoholic beverages	4.97	4.93	5.52	4.84	–.2	12.0	–12.3
Tobacco products and smoking supplies	2.79	3.48	3.78	3.60	5.7	8.6	–4.8
Personal care products and services	3.74	4.54	4.94	5.01	5.0	8.8	1.4
Nonprescription drugs and supplies	1.50	1.95	2.49	2.31	6.8	27.7	–7.2
Housekeeping supplies	4.04	5.90	6.24	6.07	7.9	5.8	–2.7

X Not applicable. ¹ Based on Interview Survey. ² Includes alcoholic beverages, entertainment, personal care services, reading, education, tobacco and smoking supplies, miscellaneous expenditures, and cash contributions. ³ Based on Diary Survey.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: Results from 1986*. (BLS News Release, U.S.D.L.: 88-175.)

Figure 14.2

Average Annual Expenditures of All Consumer Units–Percent Distribution: 1980 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 710.

No. 711. MONEY INCOME OF HOUSEHOLDS—PERCENT DISTRIBUTION BY INCOME LEVEL IN CONSTANT (1987) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1987

[Households as of **March** of **following year**. Based on Current Population Survey; see text, sections 1 and 14, and Appendix III. Hispanic persons may be of any race. For definitions of household and race, see text, section 1. For definition of median, see Guide to Tabular Presentation]

RACE AND HISPANIC ORIGIN OF HOUSEHOLDER AND YEAR	Number of households (1,000)	PERCENT DISTRIBUTION, BY INCOME LEVEL								Median income (dol.)
		Under $5,000	$5,000-$9,999	$10,000-$14,999	$15,000-$19,999	$20,000-$24,999	$25,000-$34,999	$35,000-$49,999	$50,000 and over	
ALL HOUSEHOLDS [1]										
1970	64,778	7.7	10.7	9.9	12.5	8.2	25.0	13.3	12.8	25,563
1975	72,867	6.4	12.3	11.0	10.5	10.0	21.0	15.2	13.6	24,917
1980	82,368	7.8	11.5	11.3	10.6	10.0	17.6	17.1	14.1	24,426
1982	83,918	8.1	12.2	11.5	10.8	10.2	17.1	16.1	14.0	23,750
1983	85,290	7.9	11.9	11.6	10.8	10.1	16.7	16.2	14.8	23,976
1984	86,789	7.3	12.1	11.3	10.6	9.8	16.8	16.2	16.0	24,526
1985	88,458	7.3	11.8	10.9	10.4	9.8	16.8	16.3	16.7	24,952
1986	89,479	7.2	11.3	10.7	10.1	9.4	16.4	16.8	18.1	25,807
1987	91,066	6.9	11.5	10.6	10.0	9.2	16.1	17.2	18.5	25,986
WHITE										
1970	57,575	7.0	9.9	9.3	12.3	8.1	25.8	13.9	13.6	26,626
1975	64,392	5.6	11.4	10.6	10.4	9.9	21.6	15.9	14.6	26,058
1980	71,872	6.7	10.7	10.8	10.5	10.1	18.1	18.0	15.1	25,770
1982	73,182	6.9	11.3	11.1	10.8	10.4	17.6	16.8	15.1	24,885
1983	74,170	6.6	10.9	11.3	10.7	10.3	17.3	17.0	15.9	25,136
1984	75,328	6.0	11.1	10.8	10.5	9.9	17.4	17.1	17.1	25,874
1985	76,576	6.0	11.1	10.6	10.3	9.9	17.3	17.0	17.9	26,315
1986	77,284	5.9	10.6	10.3	10.0	9.5	16.9	17.6	19.3	27,131
1987	78,469	5.4	10.7	10.3	10.0	9.2	16.7	18.1	19.7	27,427
BLACK										
1970	6,180	14.8	17.8	14.1	15.1	8.7	17.5	7.4	4.7	16,206
1975	7,489	13.5	21.0	14.0	11.6	10.6	15.6	8.9	4.9	15,643
1980	8,847	16.8	19.4	14.6	11.4	9.3	13.2	9.8	5.5	14,846
1982	8,916	18.4	19.2	15.0	11.0	9.0	13.3	9.8	4.2	14,092
1983	9,243	18.5	19.5	14.3	11.6	8.6	12.3	9.6	5.6	14,229
1984	9,480	17.0	19.3	14.7	11.5	9.0	12.7	9.3	6.6	14,740
1985	9,797	16.6	18.2	13.7	12.0	8.8	13.2	10.3	7.0	15,656
1986	9,922	18.0	17.3	13.3	10.8	9.2	13.0	10.8	7.6	15,631
1987	10,186	17.9	17.7	13.3	11.0	9.7	12.2	10.8	7.5	15,475
HISPANIC										
1975	2,948	8.8	15.2	15.7	13.4	11.6	19.1	10.5	5.5	18,720
1980	3,906	10.5	14.6	15.1	13.0	11.0	15.6	13.1	7.2	18,828
1982	4,085	10.9	17.4	14.6	12.8	10.6	15.1	11.6	6.9	17,871
1983	4,666	11.0	17.4	13.9	12.9	10.8	15.3	11.6	6.9	18,017
1984	4,883	11.4	16.0	13.9	11.9	10.3	16.3	12.4	7.9	18,592
1985	5,213	10.2	17.0	14.4	11.8	10.7	15.7	11.7	8.6	18,451
1986	5,418	10.7	15.0	14.6	11.8	10.2	15.4	12.4	10.0	19,023
1987	5,698	10.4	15.6	14.2	11.4	10.3	14.9	13.4	9.9	19,305

[1] Includes other races not shown separately.

No. 712. MONEY INCOME OF HOUSEHOLDS—MEDIAN HOUSEHOLD INCOME IN CURRENT AND CONSTANT (1987) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1987

[See headnote, table 711. Minus sign (-) indicates decrease. For definition of median, see Guide to Tabular Presentation]

YEAR	MEDIAN INCOME IN CURRENT DOLLARS (dol.)				MEDIAN INCOME IN CONSTANT (1987) DOLLARS (dol.)				ANNUAL PERCENT CHANGE OF MEDIAN INCOME OF ALL HOUSEHOLDS	
	All households [1]	White	Black	Hispanic [2]	All households [1]	White	Black	Hispanic [2]	Current dollars	Constant dollars
1970	8,734	9,097	5,537	(NA)	25,563	26,626	16,206	(NA)	[3] 6.9	[3] 1.7
1971	9,028	9,443	5,578	(NA)	25,335	26,499	15,654	(NA)	3.4	-.9
1972	9,697	10,173	5,938	7,677	26,344	27,637	16,132	20,856	7.4	4.0
1973	10,512	11,017	6,485	8,144	26,864	28,175	16,586	20,828	8.4	2.0
1974	11,197	11,710	6,964	8,906	25,806	26,987	16,050	20,526	6.5	-4.0
1975	11,800	12,340	7,408	8,865	24,917	26,058	15,643	18,720	5.4	-3.4
1976	12,686	13,289	7,902	9,569	25,328	26,531	15,776	19,104	7.5	1.6
1977	13,572	14,272	8,422	10,647	25,454	26,767	15,795	19,968	7.0	.5
1978	15,064	15,660	9,411	11,803	26,242	27,281	16,395	20,562	11.0	3.1
1979	16,461	17,250	10,133	13,042	25,775	27,024	15,866	20,421	9.3	-1.8
1980	17,710	18,684	10,764	13,651	24,426	25,770	14,846	18,828	7.6	-5.2
1981	19,074	20,153	11,309	15,300	23,835	25,184	14,132	19,119	7.7	-2.4
1982	20,171	21,117	11,968	15,178	23,750	24,885	14,092	17,871	5.8	-.4
1983	21,018	22,035	12,473	15,794	23,976	25,136	14,229	18,017	4.2	1.0
1984	22,415	23,647	13,471	16,992	24,526	25,874	14,740	18,592	6.6	2.3
1985	23,618	24,908	14,819	17,465	24,952	26,315	15,656	18,451	5.4	1.7
1986	24,897	26,175	15,080	18,352	25,807	27,131	15,631	19,023	5.4	3.4
1987	25,986	27,427	15,475	19,305	25,986	27,427	15,475	19,305	4.4	7

NA Not available. [1] Includes other races not shown seperately. [2] Hispanic persons may be of any race. [3] Chang from 1967.

Source of tables 711 and 712: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

No. 713. Money Income of Households—Percent Distribution by Money Income Level, by Selected Characteristics: 1987

[Households as of **March 1988.** For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	Total house-holds (1,000)	PERCENT DISTRIBUTION OF HOUSEHOLDS BY INCOME LEVEL (in dollars)								Median income (dollars)
		Under 5,000	5,000-9,999	10,000-14,999	15,000-24,999	25,000-34,999	35,000-49,999	50,000-74,999	75,000 and over	
Total [1]	**91,066**	**6.9**	**11.5**	**10.6**	**19.2**	**16.1**	**17.2**	**12.2**	**6.3**	**25,986**
Age of householder:										
15-24 years	5,228	13.8	16.6	15.8	25.6	15.8	8.1	3.6	.9	16,204
25-34 years	20,583	5.7	7.8	9.6	22.2	20.3	20.4	10.9	3.0	26,923
35-44 years	19,323	4.3	6.1	6.6	15.7	17.5	23.5	17.5	8.9	34,929
45-54 years	13,630	4.9	5.6	6.6	14.0	15.3	20.5	20.0	13.1	37,250
55-64 years	12,846	7.5	9.9	9.5	18.8	15.2	17.0	13.7	8.3	27,538
65 years and over	19,456	9.9	24.5	17.8	22.1	11.5	7.9	4.1	2.3	14,334
White	78,469	5.4	10.7	10.2	19.2	16.7	18.1	13.0	6.7	27,427
Black	10,186	17.9	17.7	13.3	20.7	12.2	10.8	5.5	2.0	15,475
Hispanic [2]	5,698	10.4	15.5	14.2	21.7	14.9	13.4	7.0	2.9	19,305
Northeast	19,137	6.0	11.9	9.0	17.8	15.9	18.0	13.5	8.0	28,069
Midwest	22,402	6.7	11.9	10.7	19.3	17.1	17.5	11.8	5.0	25,722
South	31,047	9.0	11.7	11.6	20.0	15.3	16.3	10.9	5.3	23,719
West	18,480	4.6	10.2	10.6	19.5	16.3	17.7	13.5	7.7	27,914
Size of household:										
One person	21,889	15.6	25.2	15.8	20.9	11.6	7.3	2.5	1.2	12,544
Two persons	29,295	4.5	8.7	11.5	22.2	17.9	17.7	11.7	5.7	26,481
Three persons	16,163	4.8	6.1	7.7	17.8	17.6	21.4	16.6	8.0	32,348
Four persons	14,143	3.0	5.0	6.1	14.8	17.3	23.5	19.6	10.8	36,805
Five persons	6,081	2.9	6.6	6.7	14.9	17.2	23.1	17.9	10.7	35,825
Six persons	2,176	4.8	7.7	8.5	15.0	15.8	21.6	17.8	8.8	33,871
Seven persons or more	1,320	4.5	8.9	8.9	18.1	15.3	18.0	15.8	10.6	30,800
Marital status:										
Male householder	62,773	3.4	6.7	8.9	18.9	17.8	20.7	15.5	8.1	31,534
Married, wife present	48,748	1.7	4.6	7.7	18.0	13.3	22.7	17.7	9.3	34,782
Married, wife absent	1,230	10.9	14.9	14.5	21.6	14.1	13.3	6.6	4.1	19,496
Widowed	1,920	10.8	26.7	17.3	18.7	11.3	7.3	6.2	1.8	13,424
Divorced	3,957	8.4	10.8	12.1	20.3	17.5	16.2	9.7	4.9	24,005
Single (never married)	6,477	8.9	11.9	12.5	24.4	16.4	14.4	7.7	3.7	21,493
Female householder	28,293	14.5	22.1	14.4	20.0	12.4	9.4	4.9	2.2	14,600
Married, husband present	3,061	2.7	6.6	7.3	16.4	17.4	22.8	16.7	10.2	34,847
Married, husband absent	2,156	24.7	23.4	15.5	19.9	9.0	5.8	1.2	.6	10,517
Widowed	9,628	15.2	34.0	16.6	17.0	8.4	5.4	2.2	1.1	10,209
Divorced	6,527	12.1	16.2	15.2	23.8	14.7	11.2	5.0	1.7	17,597
Single (never married)	6,310	16.9	17.6	13.1	22.5	15.3	8.7	4.6	1.2	15,759
Education attainment of householder: [3]										
Elementary school	11,500	16.3	26.7	17.2	19.7	9.9	6.4	2.9	.8	11,730
Less than 8 years	6,437	18.4	27.9	17.3	18.1	8.9	5.9	2.7	.7	10,884
8 years	5,063	13.7	25.2	17.1	21.7	11.0	7.0	3.1	1.0	12,999
High school	41,037	6.8	12.4	12.0	21.8	17.8	17.0	9.5	2.8	23,382
1-3 years	10,476	10.9	19.4	14.9	22.2	14.2	11.2	5.6	1.6	16,727
4 years	30,561	5.4	10.0	11.0	21.6	19.0	18.9	10.8	3.2	25,910
College	33,301	2.6	4.3	5.8	15.1	16.3	22.7	20.1	13.2	38,337
1-3 years	14,294	3.6	6.6	8.1	18.7	18.1	22.6	16.1	6.1	31,865
4 years or more	19,007	1.8	2.5	4.1	12.4	14.9	22.8	23.0	18.5	43,952
Tenure:										
Owner occupied	58,214	3.8	8.1	8.5	17.5	16.8	20.4	16.1	8.7	31,903
Renter occupied	31,180	12.0	17.3	14.2	22.6	15.0	11.6	5.4	1.9	17,474
Occupier paid no cash rent	1,672	17.7	20.8	15.2	20.5	11.2	9.7	3.5	1.4	13,613

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] 25 years old and over.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

NO. 714. MONEY INCOME OF HOUSEHOLDS—AGGREGATE AND MEAN INCOME, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1987

[As of **March 1988.** See headnote, table 711. For number of households by characteristic, see table 61. For definition of mean, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	ALL RACES [1]		WHITE		BLACK		HISPANIC [2]	
	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)
Total	**2,927.2**	**32,144**	**2,630.7**	**33,526**	**211.3**	**20,743**	**140.5**	**24,886**
Age of householder:								
15–24 years old	102.0	19,504	90.7	20,630	8.5	12,573	10.4	18,801
25–34 years old	621.6	30,200	554.2	31,913	50.0	19,277	40.8	23,493
35–44 years old	763.8	39,529	676.0	41,154	60.4	26,647	39.2	28,737
45–54 years old	597.0	43,796	532.5	45,997	43.6	27,689	25.3	30,631
55–64 years old	447.3	34,818	410.7	36,445	26.7	20,174	16.8	24,474
65 years old and over	395.6	20,333	366.7	21,029	22.2	12,622	8.1	15,332
Region:								
Northeast	660.9	34,535	604.2	35,641	40.6	22,937	25.2	22,236
Midwest	691.9	30,866	640.4	31,945	40.7	20,171	9.4	24,470
South	929.2	29,928	808.5	32,130	108.1	19,735	43.4	23,347
West	645.3	34,918	577.6	35,424	21.9	23,776	62.6	26,936
Size of household:								
One person	380.1	17,363	340.6	18,048	32.6	12,355	11.4	13,547
Two persons	951.5	32,482	883.2	33,793	50.5	19,800	28.2	22,421
Three persons	608.0	37,615	543.0	39,645	45.2	23,754	29.5	25,863
Four persons	599.6	42,394	536.8	44,326	43.3	26,923	35.5	28,951
Five persons	251.8	41,413	219.5	43,687	21.1	26,588	18.8	27,841
Six persons	84.8	38,981	69.3	41,197	10.0	27,597	9.0	27,881
Seven persons or more	51.4	38,971	38.3	43,241	8.6	25,269	8.1	30,858
Education attainment of householder:								
Elementary school:								
Less than 8 years	102.5	15,579	81.2	16,431	17.5	12,494	25.1	16,279
8 years	90.2	17,509	80.0	17,816	8.8	15,143	6.8	17,903
High school:								
1–3 years	238.5	21,182	206.1	22,759	28.3	14,112	10.1	19,880
4 years	952.9	29,069	860.9	30,065	75.2	21,139	41.0	26,443
College:								
1–3 years	540.6	34,677	482.8	35,646	40.6	26,078	22.7	31,387
4 years or more	1,002.5	50,879	919.7	51,669	40.9	37,700	26.7	46,163
Occupation of longest job of householder:								
Total [3]	**2,481.9**	**38,017**	**2,233.5**	**39,219**	**173.5**	**26,637**	**123.5**	**29,084**
Managerial and professional specialty	966.9	52,465	892.2	53,036	41.4	40,714	30.0	46,845
Technical, sales, and administrative support	506.8	37,456	536.0	38,564	40.5	26,303	25.9	30,408
Service workers	163.2	23,039	128.4	24,542	28.9	18,188	14.0	22,086
Farming, forestry, and fishing	53.6	24,707	50.6	25,228	1.9	14,902	5.7	19,878
Precision production, crafts, and repair	378.6	35,130	350.6	35,429	21.1	30,532	20.9	27,876
Operators, fabricators, and laborers	320.4	29,664	273.6	30,343	39.5	25,681	26.8	24,956

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Includes in Armed Forces, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

NO. 715. HOUSEHOLD TYPE, BY MEDIAN INCOME AND INCOME LEVEL: 1987

[Households as of **March 1988.** See headnote, table 711]

ITEM	All households	FAMILY HOUSEHOLDS				NONFAMILY HOUSEHOLDS				
		Total	Married couple	Male householder, wife absent	Female householder, husband absent	Total	Single-person household			Multiple-person household
							Total	Male householder	Female householder	
Median income (dol.):										
All households	**25,986**	**31,135**	**34,786**	**26,157**	**15,419**	**14,685**	**12,544**	**16,703**	**10,578**	**30,573**
White	27,427	32,556	35,355	27,574	17,961	15,522	13,281	17,901	11,029	31,869
Black	15,475	18,561	27,238	18,758	10,017	9,529	7,961	10,383	6,730	19,504
Hispanic [1]	19,305	20,852	25,081	22,030	10,627	12,138	9,883	11,739	7,834	23,500
Number (1,000):										
All households	**91,066**	**65,133**	**51,809**	**2,715**	**10,608**	**25,933**	**21,889**	**8,788**	**13,101**	**4,844**
Under $5,000	6,271	2,751	927	142	1,682	3,520	3,412	1,101	2,312	107
$5,000–$9,999	10,446	4,662	2,437	254	1,970	5,784	5,507	1,546	3,961	277
$10,000–$14,999	9,658	5,788	3,963	290	1,536	3,870	3,455	1,345	2,110	415
$15,000–$19,999	9,136	6,137	4,564	307	1,266	2,999	2,582	1,036	1,547	417
$20,000–$24,999	8,405	6,013	4,721	286	1,006	2,393	1,999	948	1,052	383
$25,000–$34,999	14,664	11,404	9,477	525	1,404	3,260	2,530	1,276	1,253	730
$35,000–$49,999	15,677	13,265	11,751	469	1,046	2,412	1,592	955	639	816
$50,000 and over	16,809	15,113	13,970	444	699	1,696	810	584	227	886

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

No. 716. Money Income of Households—Mean After-Tax Household Income in Constant (1986) Dollars, by Selected Characteristics: 1980 to 1986

[In dollars, except percent. Households as of **March of following year**. Estimates of after-tax income were derived from tax simulation procedures based on a "statistical" combination of data from the Internal Revenue Service, summaries of State individual income tax regulations, data on the characteristics of persons paying FICA payroll taxes from the Social Security Administration, property tax information from the Annual Housing Survey, and the March Current Population Survey microdata file. For additional information on methodology, see source. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	AFTER-TAX HOUSEHOLD INCOME						AVERAGE ANNUAL PERCENT CHANGE				
	1980	1982	1983	1984	1985	1986	1980-1982	1982-1983	1983-1984	1984-1985	1985-1986
All households	**21,652**	**21,499**	**22,173**	**22,763**	**23,082**	**23,683**	**-.4**	**3.1**	**2.7**	**1.4**	**2.6**
Age of householder:											
Under 65 years	23,471	23,033	23,761	24,388	24,832	25,535	-.9	2.9	2.6	1.8	2.8
65 years old and over	14,612	15,560	16,162	16,621	16,510	16,811	3.2	3.9	2.8	-.7	1.8
Race and Hispanic origin:											
White	22,424	22,293	23,011	23,614	23,936	24,570	-.3	3.2	2.6	1.4	2.6
Black	15,236	14,723	15,113	15,622	16,094	16,398	-.7	2.6	3.4	3.0	1.9
Hispanic [1]	18,030	17,371	17,660	18,324	18,265	18,817	-1.8	1.7	3.8	-.3	3.0
Region:											
Northeast	21,620	21,493	22,530	23,224	24,103	24,742	-.3	4.8	3.1	3.8	2.7
Midwest	21,872	21,331	21,733	22,025	22,332	22,992	-1.2	1.9	1.3	1.4	3.0
South	20,754	20,921	21,553	22,116	21,982	22,618	.4	3.1	2.6	-.6	2.9
West	22,912	22,718	23,402	24,319	24,819	25,225	-.4	3.0	3.9	2.1	1.6
Type of family:											
Married couples with children [2]	27,302	26,620	27,350	28,331	28,936	29,966	-1.3	2.8	3.6	2.1	3.6
Married couples without children [2]	25,764	26,013	27,136	27,925	28,245	29,150	.5	4.3	2.9	1.1	3.2
Female householders with related children [3]	13,161	12,366	12,455	12,923	13,345	13,134	-3.1	.7	3.8	3.3	-1.6

[1] Hispanic persons may be of any race. [2] Related children under 18 years old. [3] No husband present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 157, and unpublished data.

No. 717. Number of Households Paying Taxes and Amount of Taxes, by Type of Tax and Before-Tax Money Income: 1986

[Households as of **March 1987**. See headnote, table 711]

TYPE OF TAX	Unit	BEFORE TAX MONEY INCOME								
		Total	Under 5,000	5,000-9,999	10,000-14,999	15,000-19,999	20,000-24,999	25,000-34,999	35,000-49,999	50,000 and over
All households	**1,000**	**89,479**	**6,857**	**10,473**	**9,854**	**9,302**	**8,617**	**14,811**	**14,757**	**15,007**
Households paying—										
One or more taxes [1]	1,000	82,979	3,745	7,757	9,218	9,109	8,593	14,796	14,754	15,007
Federal income taxes	1,000	68,873	239	2,058	6,125	7,839	8,197	14,683	14,730	15,003
State income taxes	1,000	58,133	443	2,495	5,068	6,410	6,611	12,161	12,281	12,666
FICA payroll taxes	1,000	66,835	2,004	4,340	6,242	6,801	7,018	12,748	13,523	14,159
Federal retirement taxes	1,000	3,347	26	58	154	223	247	711	898	1,029
Property taxes	1,000	54,076	2,274	4,560	4,720	4,888	4,887	9,391	10,868	12,489
Taxes paid	**Bil. dol.**	**634.6**	**1.8**	**5.9**	**13.3**	**22.7**	**31.4**	**84.5**	**137.0**	**337.9**
Percent of taxes paid:										
Federal income taxes	Percent	56.8	2.2	11.4	30.5	40.0	45.3	49.0	52.7	64.8
State income taxes	Percent	13.2	1.4	3.9	7.6	9.7	10.9	12.3	13.1	14.4
FICA payroll taxes	Percent	21.6	19.7	31.2	34.7	32.1	31.0	28.4	25.8	15.9
Federal retirement taxes	Percent	1.1	.2	.3	.8	1.0	1.1	1.5	1.5	.9
Property taxes	Percent	7.3	76.5	53.2	26.5	17.2	11.6	8.8	7.0	4.0
Average tax paid [2]	**Dollars**	**7,847**	**492**	**782**	**1,446**	**2,483**	**3,660**	**5,710**	**9,285**	**22,518**
Federal income taxes	Dollars	5,236	169	326	664	1,155	1,739	2,821	4,899	14,592
State income taxes	Dollars	1,442	57	91	199	341	521	856	1,456	3,842
FICA payroll taxes	Dollars	2,049	181	425	740	1,067	1,391	1,881	2,611	3,798
Federal retirement taxes	Dollars	2,145	(B)	(B)	719	1,024	1,374	1,797	2,277	3,064
Property taxes	Dollars	851	620	669	747	795	746	788	882	1,075

B Base figure too small to meet statistical standards for reliability of derived figure. [1] Figures will not add as more than one type of tax may be reported for each household. [2] Based on households paying taxes.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 157, and unpublished data.

No. 718. Money Income of Households—Mean Income and Income per Household Member Before and After Taxes, by Selected Characteristics: 1986

[Households as of **March 1987**. See headnote, table 716]

CHARACTERISTIC	MEAN HOUSEHOLD INCOME		INCOME PER HOUSEHOLD MEMBER		Taxes as a percent of income
	Before taxes	After taxes	Before taxes	After taxes	
All households	**30,759**	**23,683**	**11,552**	**8,894**	**23.0**
Age of householder:					
15–24 years	18,155	14,894	7,865	6,452	18.0
25–29 years	27,012	21,050	10,206	7,953	22.1
30–34 years	31,342	23,927	10,184	7,775	23.7
35–39 years	35,975	27,048	10,750	8,082	24.8
40–44 years	39,665	29,737	11,699	8,771	25.0
45–49 years	41,833	31,033	12,993	9,639	25.8
50–54 years	40,235	29,877	13,861	10,293	25.7
55–59 years	36,141	27,052	14,259	10,673	25.1
60–64 years	31,267	23,921	14,211	10,872	23.5
65 years and over	19,816	16,811	11,285	9,574	15.2
Race and Hispanic origin:					
White	32,040	24,570	12,239	9,385	23.3
Black	20,232	16,398	6,952	5,635	18.9
Hispanic [1]	23,173	18,817	6,767	5,495	18.8
Region:					
Northeast	32,982	24,742	12,576	9,434	25.0
Midwest	29,645	22,992	11,113	8,619	22.4
South	28,846	22,618	10,826	8,489	21.6
West	33,040	25,225	12,256	9,357	23.7
Type of family:					
Family households	35,204	27,068	10,927	8,402	23.1
Married couple families:					
With no children [2]	38,224	29,150	16,152	12,317	23.7
With children [2]	39,290	29,966	9,403	7,171	23.7
Female householder [3]	15,446	13,134	4,624	3,932	15.0
Nonfamily households	19,287	14,945	15,807	12,249	22.5
Tenure:					
Owner occupied	36,148	27,456	12,836	9,749	24.0
Renter occupied, incl. no cash rent	21,182	16,977	8,862	7,103	19.8

[1] Hispanic persons may be of any race. [2] Related children under 18 years. [3] No husband present, with related children under 18 years.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 157, and unpublished data.

No. 719. Households with Discretionary Income—Selected Income Measures in Constant (1984) Dollars: 1982

[Households as of **March 1983** and income figures are for the preceding year, expressed in 1984 dollars. Discretionary income is the amount of money which would permit a household to maintain a living standard comfortably higher (30% or more) than the average for similar households. For methodology, see source]

CHARACTERISTIC	ALL HOUSEHOLDS		HOUSEHOLDS WITH DISCRETIONARY INCOME					
			Households		Average income		Spendable discretionary income	
	Number (1,000)	Aggregate income after taxes (bil. dol.)	Number (1,000)	Percent of all households	Before taxes (dol.)	After taxes (dol.)	Aggregate income (bil. dol.)	Average income (dol.)
Total	**83,918**	**1,707.3**	**26,409**	**31.5**	**46,764**	**34,562**	**277.9**	**10,525**
Age of householder:								
15–24 years old	5,695	79.6	1,195	21.0	32,821	25,287	7.7	6,444
25–29 years old	9,465	172.5	2,472	26.1	41,595	31,079	18.8	7,654
30–34 years old	9,639	200.6	3,355	34.8	44,289	32,534	30.3	9,021
35–39 years old	8,759	200.8	2,650	30.2	52,262	37,537	26.8	10,127
40–44 years old	7,261	181.8	2,579	35.5	54,891	39,645	29.9	11,606
45–49 years old	6,154	160.1	2,224	36.1	56,072	40,375	26.0	11,674
50–54 years old	6,200	158.9	2,336	37.7	56,279	40,395	29.2	12,479
55–59 years old	6,571	158.4	2,672	40.7	52,621	37,565	34.1	12,766
60–64 years old	6,503	132.8	2,180	33.5	47,153	34,699	25.1	11,506
65 years old and over	17,671	261.8	4,748	28.9	34,716	28,375	50.0	10,531
Race and Hispanic origin of householder:								
White	73,182	1,544.0	24,697	33.7	46,935	34,667	263.3	10,661
Black	10,736	163.3	1,712	16.0	44,301	33,049	14.6	8,555
Hispanic [1]	4,085	67.2	660	16.1	46,172	34,879	6.0	9,119
Size of household:								
One person	19,250	218.5	5,122	26.6	28,301	21,175	38.4	7,496
Two persons	26,439	544.5	8,486	32.1	47,695	35,094	97.3	11,467
Three persons	14,793	341.3	4,882	33.0	51,203	37,835	52.6	10,779
Four persons	13,303	336.7	4,597	34.6	54,050	39,525	49.1	10,674
Five persons	6,105	158.1	1,956	32.0	55,921	41,439	22.3	11,420
Six persons or more	4,028	106.3	1,334	33.9	56,734	43,216	18.2	13,337
Household income:								
Under $15,000	29,156	213.7	826	2.8	12,569	11,607	1.3	1,569
$15,000–$19,999	9,888	147.0	1,012	10.2	17,640	15,312	3.5	3,481
$20,000–$24,999	9,148	169.1	1,571	17.2	22,795	19,109	5.6	3,591
$25,000–$29,999	7,964	174.8	2,288	28.7	27,564	22,384	9.4	4,102
$30,000–$34,999	6,603	167.5	3,007	45.5	32,630	25,678	13.3	4,415
$35,000–$39,999	5,114	147.7	3,235	63.3	37,500	29,090	17.6	5,446
$40,000–$49,999	6,854	231.3	5,479	79.9	44,806	33,997	42.8	7,813
$50,000–$74,999	6,556	282.7	6,356	96.9	59,378	43,312	90.0	14,157
$75,000 and over	2,633	173.5	2,633	100.0	100,836	65,900	94.4	35,852

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census and the Conference Board, *A Marketer's Guide to Discretionary Income*, 1985.

No. 720. Money Income of Families—Percent Distribution by Income Level in Constant (1987) Dollars, by Race and Hispanic Origin of Householder: 1970 to 1987

[Families as of **March** of following year. Beginning with **1980**, based on householder concept and restricted to primary families. For definition of race, family, and householder, see text, section 1. Based on Current Population Survey, see text, sections 1 and 14 and Appendix III. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 1-8, G 16-23, G 190-192, and G 197-199]

RACE AND HISPANIC ORIGIN OF HOUSEHOLDER AND YEAR	Number of families (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL								Median income (dol.)
		Under $5,000	$5,000-$9,999	$10,000-$14,999	$15,000-$19,999	$20,000-$24,999	$25,000-$34,999	$35,000-$49,999	$50,000 and over	
ALL FAMILIES										
1970	52,227	3.5	7.6	9.1	9.9	11.3	22.0	21.2	15.4	28,880
1975	56,245	2.9	8.1	10.0	10.2	10.4	20.9	21.0	16.4	28,970
1980	60,309	3.7	8.2	9.8	10.2	10.2	20.0	20.5	17.5	28,996
1983	62,015	4.8	8.4	10.3	10.1	10.2	19.0	19.2	17.9	28,147
1984	62,706	4.5	8.3	9.7	10.0	9.7	18.4	19.7	19.6	28,923
1985	63,558	4.4	8.0	9.7	9.9	9.9	18.3	19.2	20.6	29,302
1986	64,491	4.5	7.5	9.2	9.6	9.5	17.7	19.8	22.2	30,534
1987	65,133	4.4	7.3	9.1	9.5	9.2	17.5	20.2	22.9	30,853
WHITE										
1970	46,535	2.9	6.7	8.5	9.5	11.3	22.6	22.2	16.4	29,960
1975	49,873	2.3	6.9	9.5	10.0	10.3	21.5	21.9	17.6	30,129
1980	52,710	2.7	6.9	9.2	10.0	10.3	20.6	21.5	18.7	30,211
1983	53,890	3.7	7.1	9.9	10.1	10.4	19.5	20.2	19.2	29,474
1984	54,400	3.4	7.0	9.2	9.9	9.8	19.0	20.7	21.0	30,294
1985	54,991	3.5	6.9	9.1	9.6	10.0	18.8	20.1	22.1	30,799
1986	55,676	3.3	6.5	8.6	9.4	9.5	18.2	20.8	23.7	31,935
1987	56,044	3.2	6.1	8.6	9.3	9.1	18.1	21.2	24.4	32,274
BLACK										
1970	4,928	9.0	16.7	14.6	14.3	12.0	15.6	12.0	5.7	18,378
1975	5,586	7.4	19.0	15.2	12.2	11.7	16.1	12.5	6.1	18,538
1980	6,317	10.7	18.5	15.1	12.0	9.3	15.6	12.0	6.9	17,481
1983	6,681	13.5	19.2	14.1	11.1	9.4	15.1	10.9	6.9	16,610
1984	6,778	13.3	18.4	14.2	11.6	9.4	14.3	10.9	8.0	16,884
1985	6,921	12.4	16.8	14.1	12.4	8.8	15.0	12.2	8.3	17,734
1986	7,096	13.4	15.9	13.5	10.6	9.7	14.5	13.0	9.5	18,247
1987	7,177	13.5	16.5	12.5	11.8	10.0	13.6	12.8	9.5	18,098
HISPANIC [1]										
1975	2,499	5.8	14.9	15.8	13.0	12.2	19.8	12.8	5.8	20,168
1980	3,235	6.5	14.1	15.5	13.5	11.4	17.3	14.1	7.5	20,297
1983	3,788	8.3	16.0	14.1	13.6	11.4	16.3	12.3	7.9	19,313
1984	3,939	8.6	14.5	13.9	12.7	9.9	17.5	14.1	9.0	20,606
1985	4,206	7.4	16.0	14.8	11.7	11.1	16.6	13.0	9.6	20,102
1986	4,403	8.2	14.3	14.8	11.8	10.6	16.1	13.3	11.0	20,726
1987	4,588	8.6	14.4	14.7	11.7	10.2	15.7	14.0	10.9	20,306

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

No. 721. Money Income of Families—Median Family Income in Current and Constant (1987) Dollars, by Race and Hispanic Origin of Householder: 1960 to 1987

[See headnote, table 720. For definition of median, see Guide to Tabular Presentation. Minus sign (-) indicates decrease]

YEAR	MEDIAN INCOME IN CURRENT DOLLARS (dol.)				MEDIAN INCOME IN CONSTANT (1987) DOLLARS (dol.)				ANNUAL PERCENT CHANGE OF MEDIAN INCOME OF ALL FAMILIES	
	All families [1]	White	Black	Hispanic [2]	All families [1]	White	Black	Hispanic [2]	Current dollars	Constant dollars
1960	5,620	5,835	[3] 3,230	(NA)	21,567	22,393	12,396	(NA)	[4] 4.9	[4] 2.9
1965	6,957	7,251	[3] 3,993	(NA)	25,059	26,119	14,383	(NA)	4.4	3.1
1970	9,867	10,236	6,279	(NA)	28,880	29,960	18,373	(NA)	7.2	2.9
1971	10,285	10,672	6,440	(NA)	28,862	29,949	18,072	(NA)	4.2	-.1
1972	11,116	11,549	6,864	8,183	30,199	31,375	18,647	22,231	8.1	4.6
1973	12,051	12,595	7,269	8,715	30,820	32,211	18,590	22,289	8.4	2.1
1974	12,902	13,408	8,006	9,540	29,735	30,901	18,451	21,986	7.1	-3.5
1975	13,719	14,268	8,779	9,551	28,970	30,129	18,538	20,168	6.3	-2.6
1976	14,958	15,537	9,242	10,259	29,863	31,019	18,451	20,482	9.0	3.1
1977	16,009	16,740	9,563	11,421	30,025	31,396	17,935	21,420	7.0	.5
1978	17,640	18,368	10,879	12,566	30,730	31,998	18,952	21,891	10.2	2.3
1979	19,587	20,439	11,574	14,169	30,669	32,003	18,122	22,185	11.0	-.2
1980	21,023	21,904	12,674	14,716	28,996	30,211	17,481	20,297	7.3	-5.5
1981	22,388	23,517	13,266	16,401	27,977	29,388	16,578	20,495	6.5	-3.5
1982	23,433	24,603	13,598	16,227	27,591	28,969	16,011	19,106	4.7	-1.4
1983	24,674	25,837	14,561	16,930	28,147	29,474	16,610	19,313	5.3	2.0
1984	26,433	27,686	15,432	18,833	28,923	30,294	16,884	20,606	7.1	2.8
1985	27,735	29,152	16,786	19,027	29,302	30,799	17,734	20,102	4.9	1.3
1986	29,458	30,809	17,604	19,995	30,534	31,935	18,247	20,726	6.2	4.2
1987	30,853	32,274	18,098	20,306	30,853	32,274	18,098	20,306	4.7	1.0

NA Not available. [1] Includes other races not shown separately. [2] Hispanic persons may be of any race.
[3] For 1960 and 1965, Black and other races. [4] Change from 1955.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

NO. 722. MONEY INCOME OF FAMILIES—INCOME AT SELECTED POSITIONS AND PERCENT OF AGGREGATE INCOME RECEIVED BY EACH FIFTH AND TOP 5 PERCENT OF FAMILIES: 1980 AND 1987

[Families as of **March of following year.** For composition of regions, see fig. I, inside front cover. Based on Current Population Survey; see headnote, table 720. See also *Historical Statistics, Colonial Times to 1970,* series G 31-138]

ITEM	All families, 1980	1987								
		All families	RACE			REGION				
			White	Black and other		Northeast	Midwest	South	West
				Total	Black				
Number (1,000)	**60,309**	**65,133**	**56,044**	**9,089**	**7,177**	**13,382**	**15,905**	**22,846**	**13,000**
INCOME AT SELECTED POSITIONS (dollars)									
Upper limit of each fifth:									
Lowest	10,286	14,450	16,057	7,514	6,800	16,308	15,001	12,833	15,006
Second	17,390	25,100	27,000	15,500	13,801	28,070	25,665	22,555	26,120
Third	24,630	36,600	38,200	25,500	22,590	40,100	36,300	34,200	38,200
Fourth	34,534	52,910	54,280	41,338	36,652	57,260	51,350	49,777	55,406
Top 5 percent	54,060	86,300	88,472	69,901	62,000	94,624	80,943	81,129	91,467
PERCENT DISTRIBUTION OF AGGREGATE INCOME									
Lowest fifth	5.1	4.6	5.1	3.2	3.3	4.7	4.9	4.3	4.8
Second fifth	11.6	10.8	11.2	8.5	8.7	11.4	11.4	10.5	10.7
Third fifth	17.5	16.9	17.0	15.3	15.5	17.4	17.4	16.7	16.5
Fourth fifth	24.3	24.1	23.8	24.8	25.1	24.1	24.2	24.3	23.7
Highest fifth	41.6	43.7	42.9	48.3	47.4	42.2	42.2	44.4	44.2
Top 5 percent	15.3	16.9	16.7	18.4	17.4	16.0	16.0	17.1	17.7

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-60, No. 132 and 161.

NO. 723. MONEY INCOME OF FAMILIES—MEDIAN FAMILY INCOME BY RACE AND HISPANIC ORIGIN: 1987

[Families as of **March 1988.** Based on Current Population Survey; see text, section 1, and Appendix III. For composition of regions, see fig. I, inside front cover. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	NUMBER (1,000)				MEDIAN FAMILY INCOME (dollars)			
	All families	White	Black	Hispanic [1]	All families	White	Black	Hispanic [1]
All families	**65,133**	**56,044**	**7,177**	**4,588**	**30,853**	**32,274**	**18,098**	**20,306**
Region:								
Northeast	13,382	11,855	1,189	916	33,936	35,262	20,678	16,750
Midwest	15,905	14,240	1,389	306	30,991	32,142	16,755	21,985
South	22,846	18,559	3,972	1,477	28,250	30,728	17,302	18,798
West	13,000	11,369	627	1,889	32,026	32,521	20,627	22,142
Type of family:								
Married-couple families	51,809	46,644	3,682	3,204	34,700	35,295	27,182	24,677
Wife in paid labor force	29,112	25,800	2,424	1,655	40,422	41,023	33,333	31,354
Wife not in paid labor force	22,696	20,844	1,258	1,549	26,652	27,394	16,822	17,987
Male householder, no wife present	2,715	2,165	421	312	24,804	26,230	17,455	19,411
Female householder, no husband present	10,608	7,235	3,074	1,072	14,620	17,018	9,710	9,805
Number of earners: [2]								
Total	64,228	55,324	7,030	4,514	30,951	32,372	17,990	20,264
No earners	9,440	7,803	1,396	648	12,849	14,924	5,528	6,282
One earner	18,009	15,064	2,396	1,458	23,192	25,369	13,774	15,148
Two earners	27,748	24,559	2,442	1,791	36,990	37,731	29,922	27,201
Three earners	6,329	5,545	569	419	46,961	47,860	37,458	34,183
Four or more earners	2,703	2,353	227	199	59,445	60,221	49,929	48,004

[1] Hispanic persons may be of any race.
[2] Excludes families with members who are in the Armed Forces.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-60, No. 161.

No. 724. Money Income of Families—Percent Distribution by Income Level, by Race and Hispanic Origin of Householder, and Selected Characteristics: 1987

[Families as of March 1988. See headnote, table 720. For definitions, see text, section 1. For definition of median, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series G1-8 for U.S. data on total, White, Black and other races. For composition of regions, see fig. I, inside front cover]

RACE OF HOUSEHOLDER, REGION, AND EDUCATION	Number of families (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL— Under $5,000	$5,000-$9,999	$10,000-$14,999	$15,000-$24,999	$25,000-$34,999	$35,000-$49,999	$50,000-$74,999	$75,000 and over	Median income (dol.)
All families [1]	**65,133**	**4.4**	**7.3**	**9.0**	**18.7**	**17.5**	**20.2**	**15.1**	**7.8**	**30,853**
White, total	**56,044**	**3.2**	**6.1**	**8.5**	**18.4**	**18.1**	**21.2**	**16.1**	**8.4**	**32,274**
Northeast	11,855	2.9	5.6	6.9	16.5	17.7	21.9	17.7	10.8	35,262
Midwest	14,240	2.9	6.0	8.1	18.7	19.4	22.0	16.2	6.6	32,149
South	18,559	3.8	6.9	9.5	19.2	17.5	20.8	14.7	7.5	30,729
West	11,389	2.9	5.7	9.2	18.7	17.7	20.0	16.4	9.4	32,521
Householder completed [2]—										
Elementary school:										
Less than 8 years	3,259	7.7	21.1	20.3	23.8	13.1	8.7	4.1	1.1	15,264
8 years	2,798	5.8	13.0	16.5	29.6	16.6	10.5	4.4	1.5	18,718
High school:										
1-3 years	6,036	5.0	10.3	13.4	26.1	19.1	15.5	8.2	2.5	22,653
4 years	20,020	2.7	5.0	8.2	20.5	21.7	23.6	14.1	4.1	30,958
College:										
1-3 years	9,184	1.9	3.2	5.6	15.1	19.4	26.9	20.2	7.9	37,324
4 years or more	12,396	.7	1.0	2.3	8.2	12.3	24.0	26.2	23.3	50,906
Black, total	**7,177**	**13.5**	**16.4**	**12.5**	**21.8**	**13.6**	**12.8**	**7.0**	**2.5**	**18,098**
Northeast	1,189	12.6	14.4	10.2	21.6	12.7	16.0	8.6	3.8	20,678
Midwest	1,389	15.1	16.6	11.7	18.8	14.0	12.9	6.1	2.7	16,755
South	3,972	14.3	16.6	13.4	21.9	13.5	11.6	7.0	1.7	17,302
West	627	6.2	14.5	12.3	27.6	14.7	14.4	5.6	4.8	20,627
Householder completed [2]—										
Elementary school:										
Less than 8 years	821	11.2	26.2	20.2	20.6	11.6	5.4	2.3	.5	12,149
8 years	382	15.2	23.6	17.8	22.0	7.6	7.9	5.5	.5	13,210
High school:										
1-3 years	1,306	18.1	23.6	15.5	19.4	10.4	8.8	3.6	.5	12,166
4 years	2,467	13.2	13.4	11.4	22.7	16.0	14.9	7.1	1.4	20,263
College:										
1-3 years	1,006	5.5	9.0	8.2	27.1	16.2	19.3	11.2	3.5	25,115
4 years or more	692	1.9	3.3	3.9	22.2	15.3	21.5	17.9	14.0	36,568
Hispanic,[3] total	**4,588**	**8.5**	**14.4**	**14.7**	**21.9**	**15.7**	**14.0**	**7.9**	**2.9**	**20,306**
Northeast	916	11.9	22.2	11.9	17.3	13.2	12.3	8.5	2.6	16,750
Midwest	306	11.4	13.7	8.5	22.5	18.6	13.7	9.1	2.6	21,985
South	1,477	10.4	14.5	15.6	21.9	14.5	13.8	6.4	2.8	18,798
West	1,889	5.0	10.6	16.3	24.0	17.4	14.9	8.6	3.2	22,142
Householder completed [2]—										
Elementary school:										
Less than 8 years	1,165	10.7	23.1	21.6	22.0	13.3	6.0	2.8	.4	13,540
8 years	284	9.5	23.0	13.8	27.2	13.4	9.2	3.5	.4	16,319
High school:										
1-3 years	663	9.3	17.2	15.5	25.3	15.5	9.2	5.4	2.6	17,939
4 years	1,143	5.4	8.8	12.8	22.7	18.8	20.3	9.1	2.1	25,130
College:										
1-3 years	530	4.0	4.0	9.1	21.0	18.9	21.6	16.9	4.5	31,006
4 years or more	388	2.1	3.3	2.6	10.3	15.4	29.6	20.8	15.9	43,382

[1] Includes other races not shown separately. [2] Restricted to families with householder 25 years old and over.
[3] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

No. 725. Money Income of Families—Type of Family, by Income Level: 1987

[In thousands, except dollars. Families as of March 1988. Based on Current Population Survey; see headnote, table 720. For definition of median, see Guide to Tabular Presentation]

TYPE OF FAMILY	Number of families	INCOME LEVEL								Media incom (dol.)
		Under $5,000	$5,000–$9,999	$10,000–$14,999	$15,000–$19,999	$20,000–$24,999	$25,000–$34,999	$35,000–$49,999	$50,000 and over	
All families	**65,133**	**2,880**	**4,787**	**5,865**	**6,197**	**5,984**	**11,392**	**13,132**	**14,896**	**30,8**
Married-couple families	51,809	932	2,457	3,974	4,585	4,721	9,469	11,731	13,918	34,70
Wife in paid labor force	29,112	262	588	1,193	1,735	2,314	5,266	7,862	9,871	40,42
Wife employed	27,974	204	489	1,068	1,563	2,184	5,061	7,668	9,719	40,93
Wife unemployed	1,137	58	99	125	172	130	205	193	154	24,44
Wife not in paid labor force	22,698	671	1,868	2,780	2,849	2,408	4,204	3,870	4,047	26,65
Male householder [1]	2,715	173	275	309	330	281	531	426	390	24,80
Female householder [1]	10,608	1,775	2,055	1,582	1,283	981	1,369	974	589	14,62
With own children [2]	31,920	1,990	2,522	2,607	2,687	2,764	5,585	6,744	7,020	30,9
Married-couple	24,600	397	884	1,513	1,824	2,121	4,796	6,272	6,783	38,3
Male householder [1]	1,047	109	109	142	143	104	192	148	97	20,9
Female householder [1]	6,273	1,484	1,529	952	720	539	507	324	130	10,5

[1] No spouse present. [2] Children under 18 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

No. 726. Median Money Income of Families and Unrelated Individuals, in Current and Constant (1987) Dollars: 1970 to 1987

[See headnote, table 720. Unrelated individuals are persons not living with any relatives. See text, sections 1 and 14. For definitio of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 179–188]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	198
CURRENT DOLLARS										
Families: [1]										
Married-couple families	10,516	14,867	23,141	25,065	26,019	27,286	29,612	31,100	32,805	34,70
Wife in paid labor force	12,276	17,237	26,879	29,247	30,342	32,107	34,668	36,431	38,346	40,42
Wife not in paid labor force	9,304	12,752	18,972	20,325	21,299	21,890	23,582	24,556	25,803	26,65
Male householder, no wife present	9,012	12,995	17,519	19,889	20,140	21,845	23,325	22,622	24,962	24,80
Female householder, no husband present	5,093	6,844	10,408	10,960	11,484	11,789	12,803	13,660	13,647	14,62
Unrelated individuals:										
Male	4,540	6,612	10,939	11,848	12,470	12,888	13,566	14,921	15,281	17,75
Female	2,483	3,978	6,668	7,370	8,058	8,863	9,501	9,865	10,142	8,10
CONSTANT (1987) DOLLARS										
Families: [1]										
Married-couple families	30,779	31,394	31,917	31,322	30,636	31,127	32,401	32,857	34,004	34,70
Wife in paid labor force	35,931	36,399	37,073	36,548	35,726	36,626	37,933	38,489	39,747	40,42
Wife not in paid labor force	27,232	26,928	26,167	25,399	25,078	24,971	25,803	25,943	26,746	26,65
Male householder, no wife present	26,377	27,441	24,163	24,854	23,714	24,920	25,522	23,900	25,874	24,80
Female householder, no husband present	14,907	14,452	14,355	13,696	13,522	13,448	14,009	14,432	14,146	14,62
Unrelated individuals:										
Male	13,288	13,962	15,088	14,806	14,683	14,702	14,844	15,764	15,839	17,75
Female	7,268	8,400	9,197	9,210	9,488	10,110	10,396	10,422	10,513	8,10

[1] Beginning 1980, based on household concept. Restricted to primary families, see source.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and earlier issues.

No. 727. Median Money Income of Year-Round Full-Time Workers With Income, by Sex and Age: 1970 to 1987

[Age as of March of following year. Refers to civilian workers. For definition of median, see Guide to Tabular Presentation]

AGE	FEMALE					MALE				
	1970	1980	1985	1986	1987	1970	1980	1985	1986	1987
Total with income	[1] **$5,440**	**$11,591**	**$16,252**	**$16,843**	**$17,504**	[1] **$9,184**	**$19,173**	**$24,999**	**$25,894**	**$26,72**
15–19 years old	[2] 3,783	6,779	8,372	8,333	9,417	[2] 3,950	7,753	9,050	9,730	9,85
20–24 years old	4,928	9,407	11,757	12,192	12,905	6,655	12,109	13,827	14,152	14,66
25–34 years old	5,923	12,190	16,740	17,087	17,583	9,126	17,724	22,321	22,692	23,80
35–44 years old	5,531	12,239	18,032	18,810	19,897	10,258	21,777	26,966	30,189	30,65
45–54 years old	5,588	12,116	17,009	18,057	19,087	9,931	22,323	29,880	31,657	32,82
55–64 years old	5,468	11,931	16,761	16,983	17,831	9,071	21,053	28,387	29,119	30,94
65 years old and over	4,884	12,342	18,336	17,180	19,178	6,754	17,307	26,146	27,326	28,71

[1] 14 years old and over. [2] 14 to 19 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and earlier issues.

No. 728. Money Income of Persons—Percent Distribution by Income Level, Median, and Mean Income, by Sex, 1970 to 1987, and by Age, Race, Hispanic Origin, and Region, 1987

[As of March of following year. For 1970 and 1975, persons 14 years old and over; thereafter, 15 years old and over. Based on Current Population Survey; see headnote, table 720. For definitions of median and mean, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series G 257-268, for percent distribution by income level, and median income. For composition of regions, see fig. I, inside front cover]

SEX, YEAR, AGE, RACE, HISPANIC ORIGIN, AND REGION	All persons (mil.)	PERSONS WITH INCOME										
		Total (mil.)	Percent distribution by income (in dollars) level—								Median income (dol.)	Mean income (dol.)
			1 to 1,999 or less [1]	2,000-3,999	4,000-5,999	6,000-9,999	10,000-14,999	15,000-24,999	25,000-34,999	35,000 and over		
MALE												
1970	70.6	65.0	18.8	13.7	12.9	27.9	17.7	6.8	2.3		6,670	7,537
1975	77.6	71.2	12.9	12.0	10.8	19.6	21.7	17.5	5.4		8,853	10,429
1980	82.9	76.7	9.1	8.0	8.2	14.7	17.1	25.5	10.8	6.6	12,530	15,340
1981	84.0	79.7	8.9	7.6	7.6	14.1	15.8	24.5	12.8	8.6	13,473	16,515
1982	85.0	79.7	9.1	7.0	7.3	13.4	16.0	23.6	13.3	10.2	13,950	17,381
1983	86.1	80.9	9.0	6.9	6.9	12.8	15.2	23.2	13.9	11.9	14,631	18,109
1984	87.0	82.2	8.1	6.5	6.8	12.3	14.6	22.4	15.1	14.1	15,600	19,438
1985	88.5	83.6	7.5	5.9	6.3	12.2	14.5	22.3	15.3	16.1	16,311	20,652
1986	89.4	84.5	7.2	5.4	6.0	11.6	14.0	22.1	15.6	18.0	17,114	21,822
1987	**90.3**	**85.6**	**6.8**	**5.3**	**6.1**	**11.1**	**13.7**	**21.7**	**15.6**	**19.7**	**17,752**	**22,684**
15-19 years old	9.1	6.1	51.7	20.9	11.1	9.5	4.3	2.0	.3	.2	1,932	3,256
20-24 years old	9.3	8.7	8.8	12.1	11.7	19.5	21.7	20.0	4.4	1.8	9,529	10,901
25-34 years old	21.3	20.8	3.4	3.3	3.9	8.6	15.2	29.1	20.3	16.2	20,112	22,160
35-44 years old	17.1	16.8	2.2	2.2	3.2	6.2	8.8	22.4	22.9	32.1	26,828	30,782
45-54 years old	11.5	11.3	2.8	2.6	3.1	5.3	9.4	19.1	20.1	37.7	28,685	33,508
55-64 years old	10.2	10.0	3.5	2.8	4.9	10.0	12.3	22.6	17.0	26.9	21,906	27,428
65 yr. old and over	11.8	11.8	1.5	4.5	11.2	23.7	22.1	21.1	7.9	8.1	11,854	16,464
White	77.8	74.7	6.3	4.8	5.5	10.6	13.5	21.9	16.2	21.1	18,854	23,643
Black	9.6	8.3	10.5	8.8	11.2	15.3	16.0	20.4	11.2	6.6	11,101	14,391
Hispanic [2]	6.8	6.1	6.6	7.1	9.1	17.3	18.9	21.5	10.4	9.1	12,019	16,031
Northeast	18.8	17.8	6.0	4.8	5.2	9.8	12.8	22.2	16.9	22.2	19,878	24,396
Midwest	22.0	21.1	7.3	5.2	5.9	10.9	12.9	22.5	16.7	18.6	17,910	21,968
South	30.7	28.8	7.3	5.8	7.3	11.9	14.6	21.7	14.2	17.3	16,182	21,219
West	18.8	17.9	6.4	4.9	5.2	11.5	13.8	20.4	15.5	22.2	18,596	24,179
FEMALE												
1970	77.6	51.6	46.7	22.1	15.7	12.4	2.5	.4	.2		2,237	3,138
1975	85.0	60.8	31.9	24.0	15.4	18.5	7.9	2.2	.3		3,385	4,513
1980	91.1	80.8	24.8	16.6	13.3	18.3	14.2	9.0	1.0	.6	4,920	6,772
1981	92.2	82.1	22.8	17.2	13.4	18.0	15.0	10.9	2.0	.6	5,458	7,440
1982	93.1	82.5	21.7	15.9	13.1	17.4	15.1	12.7	2.8	1.1	5,887	8,195
1983	94.3	83.8	20.7	14.7	12.9	17.1	15.4	14.0	3.6	1.4	6,319	8,780
1984	95.3	85.6	19.2	13.6	12.6	17.2	15.0	15.6	4.6	2.1	6,868	9,584
1985	96.4	86.5	18.3	13.2	12.2	17.1	15.0	16.2	5.5	2.6	7,217	10,173
1986	97.3	87.8	17.5	12.2	12.3	16.6	15.1	17.0	6.2	3.2	7,610	10,741
1987	**98.2**	**89.3**	**16.5**	**11.6**	**11.7**	**16.8**	**14.9**	**17.7**	**6.8**	**4.0**	**8,101**	**11,435**
15-19 years old	8.9	6.0	53.3	21.8	10.8	9.0	3.4	1.6	-	.2	1,877	2,965
20-24 years old	9.6	8.7	15.8	14.7	13.8	21.3	18.2	13.5	2.1	.5	6,895	8,406
25-34 years old	21.6	20.1	15.9	8.2	7.8	13.9	17.6	24.4	8.7	3.6	11,049	12,746
35-44 years old	17.6	16.4	15.4	7.6	7.1	13.5	14.8	22.8	11.5	7.4	11,969	14,768
45-54 years old	12.3	11.2	16.6	8.1	7.9	13.0	15.2	22.4	10.3	6.6	11,219	14,127
55-64 years old	11.5	10.5	19.2	11.8	12.6	15.6	14.8	15.6	5.9	4.5	7,445	11,139
65 yr. old and over	16.7	16.5	3.8	16.5	22.3	27.3	14.1	10.6	3.2	2.2	6,734	9,547
White	83.5	76.7	16.8	11.1	11.1	16.9	15.1	17.9	6.9	4.2	8,279	11,621
Black	11.6	10.1	13.0	15.7	17.0	16.4	13.6	16.5	5.7	2.0	6,791	9,919
Hispanic [2]	6.8	5.3	18.6	13.9	13.2	20.0	13.4	14.3	4.4	2.2	6,611	9,303
Northeast	21.1	19.4	16.1	10.4	12.0	16.6	13.9	18.6	7.8	4.7	8,430	12,106
Midwest	23.9	22.1	17.4	11.9	12.1	17.1	15.3	16.9	6.2	3.1	7,713	10,675
South	33.8	30.1	16.0	13.1	12.2	16.0	15.8	17.3	6.0	3.6	7,870	10,942
West	19.4	17.6	16.7	9.9	9.9	17.8	14.1	18.4	8.0	5.2	8,651	12,494

- Represents zero. [1] Includes persons with income deficit. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

NO. 729. MEAN MONEY EARNINGS, BY EDUCATIONAL ATTAINMENT, SEX, AND AGE: 1986

[In dollars. For year-round full-time workers 18 years old and over. As of March 1987. Based on Current Population Survey; see text section 1 and Appendix III. For definition of mean, see Guide to Tabular Presentation]

AGE AND SEX	Total	ELEMENTARY			SECONDARY			COLLEGE			
		Total	Less than 8 years	8 years	Total	1-3 years	4 years	Total	1-3 years	4 years	5 or more years
Male, total	**26,793**	**16,875**	**15,593**	**18,337**	**23,019**	**19,923**	**23,759**	**35,978**	**28,114**	**37,538**	**46,296**
18-24 years old	14,510	10,345	10,166	12,565	13,666	11,568	14,159	17,139	15,633	20,678	(B)
25-29 years old	22,091	12,341	12,027	12,839	19,262	15,969	19,879	25,960	22,485	28,240	30,501
30-34 years old	27,387	14,779	13,775	(B)	22,615	19,494	23,203	31,935	26,804	33,180	38,962
35-39 years old	32,027	15,634	15,291	16,222	25,162	20,918	25,965	37,343	30,207	38,633	45,885
40-44 years old	34,073	17,953	16,720	19,482	26,384	20,753	27,591	41,242	33,424	41,681	49,053
45-49 years old	35,313	21,511	20,015	23,046	27,653	24,636	28,504	44,428	34,055	47,221	54,240
50-54 years old	33,622	18,931	17,577	20,071	27,814	24,520	28,685	43,906	34,924	44,643	52,535
55-59 years old	31,946	19,313	17,340	21,053	26,163	24,116	26,951	43,977	32,577	53,347	48,708
60-64 years old	32,193	18,584	16,601	20,495	26,221	21,730	28,370	43,543	32,339	46,447	51,678
65 years old and over	27,180	12,941	(B)	12,502	22,562	15,669	24,756	40,479	25,037	39,958	56,487
Female, total	**17,911**	**10,706**	**10,534**	**10,862**	**15,014**	**12,496**	**15,402**	**21,676**	**17,937**	**22,943**	**29,629**
18-24 years old	12,496	(B)	(B)	(B)	11,374	10,202	11,480	14,317	12,547	18,240	(B)
25-29 years old	17,256	11,063	11,090	(B)	14,242	12,117	14,475	19,818	17,085	21,671	23,337
30-34 years old	19,459			(B)	15,357	12,395	15,748	23,013	19,286	23,592	29,388
35-39 years old	19,654	10,164	10,816	9,555	15,710	12,508	16,171	23,974	19,931	24,657	30,724
40-44 years old	20,008	10,859	(B)		16,539	12,565	17,133	23,947	19,820	25,529	28,899
45-49 years old	18,732	11,213	9,513	11,851	15,857	12,729	16,538	23,664	19,269	23,235	30,902
50-54 years old	18,487	10,390			16,443	13,777	16,986	23,387	19,860	25,993	27,596
55-59 years old	17,684	10,944	10,946	11,745	15,906	13,830	16,449	22,617	18,534	24,372	28,832
60-64 years old	16,529	11,305	(B)		15,631	11,590	16,310	19,960	17,989	19,443	(B)
65 years old and over	13,846	(B)	(B)	(B)	12,991	(B)	13,710	16,818	(B)	(B)	(B)

B Base figure too small to meet statistical standards for reliability of derived figure.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-60, No. 159.

NO. 730. PER CAPITA MONEY INCOME IN CURRENT AND CONSTANT (1987) DOLLARS, BY RACE AND HISPANIC ORIGIN: 1970 TO 1987

[In dollars]

YEAR	CURRENT DOLLARS				CONSTANT (1987) DOLLARS			
	All races	White	Black	Hispanic [1]	All races	White	Black	Hispanic [1]
1970	3,177	3,354	1,869	(NA)	9,299	9,817	5,470	(NA)
1971	3,417	3,596	2,062	(NA)	9,589	10,091	5,787	(NA)
1972	3,769	3,968	2,300	(NA)	10,239	10,780	6,248	(NA)
1973	4,141	4,361	2,521	2,454	10,591	11,153	6,447	6,276
1974	4,445	4,677	2,718	2,735	10,244	10,779	6,264	6,303
1975	4,818	5,072	2,972	2,847	10,174	10,710	6,276	6,012
1976	5,271	5,556	3,286	3,179	10,523	11,092	6,560	6,347
1977	5,785	6,100	3,574	3,538	10,850	11,440	6,703	6,635
1978	6,455	6,797	4,034	3,961	11,245	11,841	7,028	6,900
1979	7,168	7,574	4,444	4,432	11,223	11,859	6,958	6,940
1980	7,787	8,233	4,804	4,865	10,740	11,355	6,626	6,710
1981	8,476	8,979	5,129	5,349	10,592	11,220	6,409	6,684
1982	8,980	9,527	5,360	5,448	10,573	11,218	6,311	6,415
1983	9,548	10,125	5,755	5,852	10,892	11,550	6,565	6,676
1984	10,328	10,939	6,277	6,401	11,301	11,969	6,868	7,004
1985	11,013	11,671	6,840	6,613	11,635	12,330	7,226	6,987
1986	11,670	12,352	7,207	7,000	12,096	12,803	7,470	7,256
1987	12,287	13,031	7,499	7,611	12,287	13,031	7,499	7,611

NA Not available. [1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-60, No. 161.

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No. 731. Per Capita Money Income, 1969 to 1985, and Median Family Income, 1969 and 1979, by State

[In **dollars**. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 205-256 and Appendix III]

STATE	PER CAPITA INCOME			MEDIAN FAMILY INCOME	
	1969	1979	1985	1969	1979
United States	**3,119**	**7,298**	**10,798**	**9,586**	**19,917**
Alabama	2,317	5,892	8,681	7,263	16,347
Alaska	3,725	10,193	13,650	12,441	28,395
Arizona	2,937	7,042	10,561	9,165	19,017
Arkansas	2,142	5,613	8,389	6,271	14,641
California	3,614	8,294	11,885	10,729	21,537
Colorado	3,106	7,998	11,713	9,552	21,279
Connecticut	3,885	8,511	14,090	11,808	23,149
Delaware	3,265	7,449	11,375	10,209	20,817
District of Columbia	3,842	8,959	13,530	9,576	19,099
Florida	3,058	7,260	11,271	8,261	17,280
Georgia	2,640	6,380	10,191	8,165	17,414
Hawaii	3,373	7,740	11,003	11,552	22,750
Idaho	2,644	6,248	8,567	8,380	17,492
Illinois	3,495	8,064	11,302	10,957	22,746
Indiana	3,070	7,141	9,978	9,966	20,535
Iowa	2,884	7,136	10,096	9,016	20,052
Kansas	2,929	7,349	10,684	8,690	19,707
Kentucky	2,425	5,973	8,614	7,439	16,444
Louisiana	2,330	6,425	8,836	7,527	18,088
Maine	2,548	5,766	9,042	8,205	16,167
Maryland	3,512	8,293	12,967	11,057	23,112
Massachusetts	3,408	7,457	12,510	10,833	21,166
Michigan	3,357	7,688	10,902	11,029	22,107
Minnesota	3,038	7,450	11,186	9,928	21,185
Mississippi	1,925	5,182	7,483	6,068	14,591
Missouri	2,952	6,915	10,283	8,908	18,784
Montana	2,696	6,589	8,781	8,509	18,413
Nebraska	2,797	6,934	10,546	8,562	19,122
Nevada	3,554	8,453	11,200	10,687	21,311
New Hampshire	2,985	6,966	11,659	9,682	19,723
New Jersey	3,674	8,127	13,129	11,403	22,906
New Mexico	2,437	6,120	8,814	7,845	16,928
New York	3,608	7,496	11,765	10,609	20,180
North Carolina	2,474	6,132	9,517	7,770	16,792
North Dakota	2,469	6,417	9,635	7,836	18,023
Ohio	3,199	7,284	10,371	10,309	20,909
Oklahoma	2,694	6,854	9,754	7,720	17,668
Oregon	3,148	7,556	9,925	9,487	20,027
Pennsylvania	3,066	7,075	10,288	9,554	19,995
Rhode Island	3,121	6,897	10,892	9,733	19,448
South Carolina	2,303	5,884	8,890	7,620	16,978
South Dakota	2,387	5,696	8,553	7,490	15,993
Tennessee	2,464	6,212	9,290	7,446	16,564
Texas	2,792	7,203	10,373	8,486	19,618
Utah	2,697	6,305	8,535	9,320	20,024
Vermont	2,772	6,177	9,619	8,928	17,205
Virginia	2,996	7,475	11,894	9,044	20,018
Washington	3,357	8,073	10,866	10,404	21,696
West Virginia	2,333	6,142	8,141	7,414	17,308
Wisconsin	3,032	7,241	10,298	10,065	20,915
Wyoming	2,895	7,927	9,782	8,944	22,430

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1; *1980 Census of Population*, vol. 1, chapter C (PC 80-1-C), and *Current Population Reports*, series P-26, No. 86.

No. 732. Per Capita Money Income for 50 Largest Cities: 1979 and 1985

CITIES RANKED BY POPULATION-SIZE, **1986**	1979	1985	Percent change, 1979-1985
New York	7,271	11,188	53.9
Los Angeles	8,415	12,084	43.6
Chicago	6,933	9,642	39.1
Houston	8,817	12,115	37.4
Philadelphia	6,053	8,807	45.5
Detroit	6,215	8,852	42.4
San Diego	8,016	11,766	46.8
Dallas	8,610	12,816	48.9
San Antonio	5,758	8,499	47.6
Phoenix	7,552	11,363	50.5
Honolulu[1]	7,912	11,434	44.5
Baltimore	5,877	8,647	47.1
San Francisco	9,265	13,575	46.5
Indianapolis	7,585	10,836	42.9
San Jose	8,382	12,583	50.1
Memphis	6,466	9,362	44.8
Washington	8,950	13,530	51.0
Jacksonville	6,767	10,466	54.7
Milwaukee	7,029	9,765	38.9
Boston	6,555	10,774	64.4
Columbus	6,783	9,909	46.1
New Orleans	6,463	8,975	38.9
Cleveland	5,770	8,018	39.0
Denver	8,553	12,490	46.0
El Paso	5,439	7,670	41.0
Seattle	9,282	12,919	39.2
Nashville-Davidson	7,276	11,253	54.7
Austin	7,368	11,633	57.9
Oklahoma City	7,998	11,527	44.1
Kansas City	7,480	11,153	49.1
Fort Worth	7,336	10,515	43.3
St. Louis	5,877	8,790	49.7
Atlanta	6,539	10,341	58.1
Long Beach	8,342	11,729	40.6
Portland	8,123	10,770	32.6
Pittsburgh	6,845	9,998	46.1
Miami	6,084	8,904	46.4
Tulsa	8,842	12,670	43.3
Cincinnati	6,874	10,247	49.1
Albuquerque	7,440	11,133	49.6
Tucson	6,551	9,430	43.9
Oakland	7,701	10,911	41.7
Minneapolis	7,940	12,302	54.9
Charlotte	7,952	12,259	54.2
Omaha	7,714	12,886	67.0
Toledo	7,050	10,050	42.6
Virginia Beach	7,704	12,039	56.3
Buffalo	5,929	8,840	49.1
Sacramento	7,558	10,627	40.6
Newark	4,525	6,494	43.5

[1] Data are for Honolulu County.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter C, (PC 80-1-C) and *Current Population Reports*, series P-26, No. 86.

NO. 733. PERSONS, FAMILIES, AND CHILDREN BELOW POVERTY LEVEL—NUMBER AND PERCENT, BY STATE: 1979

[Persons, families, and related children as of **April of the following year.** For explanation of poverty level, see text, section 14. Excludes unrelated individuals under 15 years of age, and persons in specified types of group quarters, i.e. inmates of institutions and persons living in military group quarters or in college dormitories. Poverty criteria computed on a national basis only and not adjusted for regional, State, or other local variations in cost of living. For details, see source]

REGION AND STATE	PERSONS		FAMILIES		RELATED CHILDREN [1]	
	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent
U.S.	**27,393**	**12.4**	**5,670**	**9.6**	**10,026**	**16.0**
Northeast	**5,343**	**11.2**	**1,111**	**8.7**	**1,992**	**15.5**
ME	141	13.0	29	9.8	50	15.8
NH	75	8.5	15	6.1	24	9.4
VT	59	12.1	11	8.9	20	13.9
MA	532	9.6	110	7.6	193	13.1
RI	94	10.3	19	7.7	33	13.6
CT	243	8.0	51	6.2	93	11.4
NY	2,299	13.4	483	10.8	877	19.0
NJ	689	9.5	148	7.6	278	14.1
PA	1,210	10.5	245	7.8	426	13.9
Midwest	**6,010**	**10.5**	**1,230**	**8.0**	**2,170**	**13.0**
OH	1,089	10.3	228	8.0	401	13.2
IN	516	9.7	107	7.3	189	11.9
IL	1,231	11.0	247	8.4	478	14.9
MI	946	10.4	198	8.2	361	13.3
WI	398	8.7	77	6.3	139	10.4
MN	375	9.5	73	7.0	118	10.2
IA	286	10.1	58	7.5	94	11.5
MO	582	12.2	120	9.1	196	14.6
ND	79	12.6	16	9.8	27	14.3
SD	113	16.9	23	13.1	41	20.0
NE	163	10.7	33	8.0	53	12.1
KS	232	10.1	47	7.4	73	11.4
South	**11,285**	**15.4**	**2,390**	**11.9**	**4,180**	**19.6**
DE	68	11.9	14	8.9	25	15.6
MD	405	9.8	82	7.5	143	12.5
DC	113	18.6	21	15.1	38	27.0
South—Con.						
VA	611	11.8	129	9.2	216	14.9
WV	287	15.0	62	11.7	102	18.5
NC	840	14.8	163	11.6	299	18.3
SC	500	16.6	106	13.1	195	21.0
GA	884	16.6	189	13.2	342	21.1
FL	1,287	13.5	268	9.9	427	18.5
KY	626	17.6	144	14.6	230	21.6
TN	736	16.5	164	13.1	263	20.6
AL	720	18.9	154	14.8	271	23.6
MS	587	23.9	121	18.7	244	30.4
AR	424	19.0	94	14.9	154	23.4
LA	765	18.6	163	15.1	307	23.5
OK	394	13.4	86	10.3	132	15.7
TX	2,036	14.7	412	11.1	791	18.7
West	**4,755**	**11.3**	**939**	**8.5**	**1,683**	**14.2**
MT	94	12.3	19	9.2	32	13.8
ID	117	12.6	24	9.6	43	14.3
WY	36	7.9	7	5.8	11	7.7
CO	285	10.1	55	7.4	91	11.5
NM	226	17.6	47	14.0	91	22.1
AZ	351	13.2	68	9.5	128	18.5
UT	148	10.3	27	7.7	57	10.7
NV	69	8.7	13	6.3	21	10.0
WA	386	9.8	78	7.2	128	11.5
OR	274	10.7	54	7.7	85	12.0
CA	2,627	11.4	521	8.7	947	15.2
AK	42	10.7	8	8.6	15	12.1
HI	92	9.9	18	7.8	35	13.0

[1] Under 18 years.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter C (PC80-1-C).

NO. 734. PERSONS BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL: 1959 TO 1987

[Persons as of **March** of the **following year.** For explanation of poverty level, see text, section 14]

YEAR	NUMBER BELOW POVERTY LEVEL (mil.)				PERCENT BELOW POVERTY LEVEL				BELOW 125 PERCENT OF POVERTY LEVEL		AVERAGE INCOME CUTOFFS FOR NON-FARM FAMILY OF 4 [3]	
	All races [1]	White	Black	Hispanic [2]	All races [1]	White	Black	Hispanic [2]	Number (mil.)	Percent of total population	At poverty level	At 125 percent of poverty level
1959	39.5	28.5	9.9	(NA)	22.4	18.1	55.1	(NA)	54.9	31.1	$2,973	$3,716
1960	39.9	28.3	(NA)	(NA)	22.2	17.8	(NA)	(NA)	54.6	30.4	3,022	3,778
1966	28.5	20.8	8.9	(NA)	14.7	12.2	41.8	(NA)	41.3	21.3	3,317	4,146
1969	24.1	16.7	7.1	(NA)	12.1	9.5	32.2	(NA)	34.7	17.4	3,743	4,679
1970	25.4	17.5	7.5	(NA)	12.6	9.9	33.5	(NA)	35.6	17.6	3,968	4,960
1975	25.9	17.8	7.5	3.0	12.3	9.7	31.3	26.9	37.2	17.6	5,500	6,875
1976	25.0	16.7	7.6	2.8	11.8	9.1	31.1	24.7	35.5	16.7	5,815	7,269
1977	24.7	16.4	7.7	2.7	11.6	8.9	31.3	22.4	35.7	16.7	6,191	7,739
1978	24.5	16.3	7.6	2.6	11.4	8.7	30.6	21.6	34.2	15.8	6,662	8,328
1979 [4]	25.3	16.8	7.8	2.9	11.6	8.9	30.9	21.6	35.6	16.3	7,412	9,265
1979 [5]	26.1	17.2	8.1	2.9	11.7	9.0	31.0	21.8	36.6	16.4	7,412	9,265
1980	29.3	19.7	8.6	3.5	13.0	10.2	32.5	25.7	40.7	18.1	8,414	10,518
1981	31.8	21.6	9.2	3.7	14.0	11.1	34.2	26.5	43.7	19.3	9,287	11,609
1982	34.4	23.5	9.7	4.3	15.0	12.0	35.6	29.9	46.5	20.3	9,862	12,328
1983	35.3	24.0	9.9	4.6	15.2	12.1	35.7	28.0	47.2	20.3	10,178	12,723
1984	33.7	23.0	9.5	4.8	14.4	11.5	33.8	28.4	45.3	19.4	10,609	13,261
1985	33.1	22.9	8.9	5.2	14.0	11.4	31.3	29.0	44.2	18.7	10,989	13,736
1986	32.4	22.2	9.0	5.1	13.6	11.0	31.1	27.3	43.5	18.2	11,203	14,004
1987	32.5	21.4	9.7	5.5	13.5	10.5	33.1	28.2	43.5	18.1	11,611	14,514

NA Not available. [1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Beginning 1981, income cutoffs for nonfarm families are applied to all families, both farm and nonfarm. [4] Population controls based on 1970 census; see text, section 14. [5] Population controls based on 1980 census; see text, sections 1 and 14.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

No. 735. Persons Below Poverty Level and Below 125 Percent of Poverty Level, by Race of Householder and Family Status: 1979 to 1987

[Persons as of **March** of **following year.** For explanation of poverty level, see text, section 14]

RACE OF HOUSEHOLDER AND FAMILY STATUS	BELOW POVERTY LEVEL					BELOW 125 PERCENT OF POVERTY LEVEL				
	1979 [1]	1984	1985	1986	1987	1979 [1]	1984	1985	1986	1987
NUMBER (mil.)										
All persons [2]	**26.1**	**33.7**	**33.1**	**32.4**	**32.5**	**36.6**	**45.3**	**44.2**	**43.5**	**43.5**
In families	20.0	26.5	25.7	24.8	25.0	28.1	35.5	34.4	33.2	33.1
Householder	5.5	7.3	7.2	7.0	7.1	7.8	9.9	9.8	9.5	9.5
Related children under 18 years	10.0	12.9	12.5	12.3	12.4	13.4	16.4	15.8	15.5	15.6
Other family members	4.5	6.3	6.0	5.5	5.5	7.0	9.2	8.9	8.2	8.1
Unrelated individuals	5.7	6.6	6.7	6.8	6.8	8.0	9.1	9.1	9.4	9.5
White	**17.2**	**23.0**	**22.9**	**22.2**	**21.4**	**25.2**	**32.1**	**31.5**	**30.7**	**30.0**
In families	12.5	17.3	17.1	16.4	15.8	18.4	24.2	23.7	22.6	22.0
Householder	3.6	4.9	5.0	4.8	4.6	5.3	7.0	7.0	6.7	6.5
Related children under 18 years	5.9	8.1	7.8	7.7	7.6	8.2	10.7	10.3	10.0	9.9
Other family members	3.0	4.3	4.3	3.9	3.7	4.8	6.6	6.4	5.9	5.7
Unrelated individuals	4.5	5.2	5.3	5.2	5.1	6.5	7.3	7.3	7.4	7.4
Black	**8.1**	**9.5**	**8.9**	**9.0**	**9.7**	**10.3**	**11.6**	**11.1**	**11.2**	**11.8**
In families	6.8	8.1	7.5	7.4	8.0	8.8	9.9	9.3	9.2	9.7
Householder	1.7	2.1	2.0	2.0	2.1	2.2	2.6	2.5	2.5	2.6
Related children under 18 years	3.7	4.3	4.1	4.0	4.3	4.7	5.1	4.8	4.8	5.0
Other family members	1.3	1.7	1.5	1.4	1.5	1.9	2.3	2.1	1.9	2.0
Unrelated individuals	1.2	1.3	1.3	1.4	1.5	1.4	1.6	1.6	1.8	1.9
In families with female householder, no husband present [2]	**13.5**	**16.4**	**16.4**	**16.9**	**16.9**	**17.4**	**20.3**	**20.1**	**21.0**	**20.8**
In families	9.4	11.8	11.6	11.9	12.1	11.6	14.0	13.7	14.2	14.1
Householder	2.6	3.5	3.5	3.6	3.6	3.3	4.2	4.2	4.3	4.3
Related children under 18 years	5.6	6.8	6.7	6.9	7.1	6.7	7.7	7.6	7.9	8.0
Other family members	1.1	1.6	1.4	1.4	1.4	1.6	2.1	2.0	1.9	1.8
Unrelated individuals	3.8	4.0	4.2	4.3	4.2	5.4	5.7	5.8	6.0	5.9
In all other families [2]	**12.6**	**17.3**	**16.7**	**15.4**	**15.6**	**19.2**	**25.0**	**24.1**	**22.5**	**22.7**
In families	10.6	14.6	14.1	12.8	12.9	16.5	21.5	20.7	19.0	19.0
Householder	2.8	3.8	3.7	3.4	3.4	4.5	5.7	5.6	5.1	5.1
Related children under 18 years	4.4	6.2	5.8	5.3	5.4	6.6	8.7	8.2	7.6	7.6
Other family members	3.4	4.7	4.6	4.1	4.1	5.4	7.1	6.9	6.3	6.3
Unrelated individuals	2.0	2.6	2.5	2.5	2.7	2.7	3.4	3.3	3.4	3.6
PERCENT OF POPULATION										
All persons [2]	**11.7**	**14.4**	**14.0**	**13.6**	**13.5**	**16.4**	**19.4**	**18.7**	**18.2**	**18.1**
In families	10.2	13.1	12.6	12.0	12.1	14.4	17.5	16.9	16.2	16.0
Householder	9.2	11.6	11.4	10.9	10.8	13.1	15.8	15.3	14.7	14.5
Related children under 18 years	16.0	21.0	20.1	19.8	20.0	21.3	26.6	25.5	25.1	25.1
Other family members	6.1	8.0	7.7	6.9	6.9	9.5	11.8	11.3	10.3	10.2
Unrelated individuals	21.9	21.8	21.5	21.6	20.8	30.7	29.9	29.0	29.8	29.0
White	**9.9**	**11.5**	**11.4**	**11.0**	**10.5**	**13.1**	**16.1**	**15.7**	**15.2**	**14.7**
In families	7.4	10.1	9.9	9.4	9.1	10.9	14.1	13.7	13.0	12.6
Householder	6.9	9.1	9.1	8.6	8.2	10.2	12.8	12.7	12.0	11.5
Related children under 18 years	11.4	16.1	15.6	15.3	15.0	15.9	21.3	20.5	20.0	19.6
Other family members	4.7	6.4	6.4	5.7	5.4	7.5	9.8	9.5	8.6	8.3
Unrelated individuals	19.7	19.9	19.6	19.2	18.2	28.6	27.9	27.0	27.3	26.3
Black	**31.0**	**33.8**	**31.3**	**31.1**	**33.1**	**39.9**	**41.4**	**38.8**	**38.7**	**40.2**
In families	30.0	33.2	30.5	29.7	31.8	39.0	40.7	37.9	37.1	38.6
Householder	27.8	30.9	28.7	28.0	29.9	36.2	38.2	35.8	35.0	36.4
Related children under 18 years	40.8	46.2	43.1	42.7	45.1	51.1	54.1	51.0	50.8	52.8
Other family members	18.2	20.5	17.7	16.5	18.1	26.1	27.7	24.8	23.3	24.2
Unrelated individuals	37.3	35.8	34.7	38.5	38.3	45.4	44.6	42.7	47.3	47.2
In families with female householder, no husband present [2]	**32.0**	**34.0**	**33.5**	**34.2**	**33.6**	**41.3**	**41.9**	**41.1**	**42.4**	**41.4**
In families	34.9	38.4	37.6	38.3	38.3	43.2	45.3	44.5	45.6	44.8
Householder	30.4	34.5	34.0	34.6	34.3	38.2	41.5	40.8	41.6	40.6
Related children under 18 years	48.6	54.0	53.6	54.4	54.7	58.0	61.2	60.7	62.3	61.9
Other family members	16.9	19.1	17.3	17.5	17.0	23.9	25.7	24.2	24.1	22.6
Unrelated individuals	26.0	24.4	24.8	25.1	23.7	37.0	34.2	33.9	35.0	33.6
In all other families [2]	**7.0**	**9.3**	**8.9**	**8.2**	**8.2**	**10.6**	**13.5**	**12.8**	**11.9**	**11.9**
In families	6.3	8.5	8.2	7.3	7.4	9.8	12.6	11.9	10.9	10.9
Householder	5.5	7.2	7.0	6.3	6.3	8.8	10.8	10.5	9.5	9.4
Related children under 18 years	8.5	12.5	11.7	10.8	10.9	13.0	17.7	16.5	15.4	15.4
Other family members	5.1	6.7	6.6	5.8	5.8	8.1	10.2	9.8	8.8	8.8
Unrelated individuals	16.9	16.7	17.4	17.5	17.5	22.9	24.8	23.2	23.5	23.8

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[1] Population controls based on 1980 census; see text section 14. [2] Includes races and members of unrelated subfamilies not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

No. 736. Persons Below Poverty Level, by Race, Hispanic Origin, Age, and Region: 1987

[Persons as of **March 1988.** Based on Current Population Survey; see headnote, table 720. For explanation of poverty level, see text, section 14. For composition of regions, see fig. I, inside front cover]

AGE AND REGION	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL			
	All races[1]	White	Black	Hispanic[2]	All races[1]	White	Black	Hispanic[2]
Total	**32,546**	**21,409**	**9,683**	**5,470**	**13.5**	**10.5**	**33.1**	**28.2**
Under 16 years old	11,859	7,289	4,007	2,493	21.2	16.2	46.7	40.6
16–21 years old	3,455	2,148	1,144	565	15.9	12.1	36.0	27.5
22–44 years old	9,596	6,470	2,647	1,628	10.7	8.5	25.1	21.2
45–64 years old	4,145	2,905	1,077	536	9.1	7.4	23.5	20.4
65 years old and over	3,491	2,597	808	247	12.2	10.1	33.9	27.4
Northeast	5,476	3,860	1,391	1,232	11.0	8.9	28.8	36.6
Midwest	7,499	5,185	2,041	366	12.7	9.9	36.6	27.5
South	13,287	7,426	5,648	1,910	16.1	11.5	34.5	31.0
West	6,285	4,939	603	1,962	12.6	11.5	24.3	23.0

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

No. 737. Persons 65 Years Old and Over Below Poverty Level, by Selected Characteristics: 1970 to 1987

[Persons as of **March** of **following year.** See headnote, table 736]

CHARACTERISTIC	NUMBER BELOW POVERTY LEVEL (1,000)					PERCENT BELOW POVERTY LEVEL				
	1970	1979[1]	1985	1986	1987	1970	1979[1]	1985	1986	1987
Persons, 65 yr. and over[2]	**4,793**	**3,682**	**3,456**	**3,477**	**3,491**	**24.6**	**15.2**	**12.6**	**12.4**	**12.2**
White	4,011	2,911	2,698	2,689	2,597	22.6	13.3	11.0	10.7	10.1
Black	735	740	717	722	808	47.7	36.3	31.5	31.0	33.9
Hispanic[3]	(NA)	154	219	204	247	(NA)	26.8	23.9	22.5	27.4
In families	2,013	1,380	1,173	1,164	1,247	14.8	8.4	6.4	6.2	6.5
Householder	1,188	822	708	716	751	16.5	9.1	7.0	7.0	7.2
Male	980	629	498	520	533	15.9	8.4	6.0	6.1	6.1
Female	209	193	210	196	218	20.1	13.0	12.1	11.8	12.8
Other members	825	559	465	448	496	13.0	7.6	5.6	5.2	5.7
Unrelated individuals	2,779	2,299	2,281	2,311	2,241	47.2	29.4	25.6	25.2	24.0
Male	549	428	402	412	416	38.9	25.3	20.5	19.6	19.3
Female	2,230	1,871	1,879	1,899	1,825	49.8	30.5	27.0	26.8	25.4
Persons, 60 yr. and over	**5,977**	**4,753**	**4,677**	**4,547**	**4,657**	**21.3**	**13.9**	**12.3**	**11.7**	**11.8**

NA Not available. [1] Population controls based on 1980 census; see text, section 14. [2] Beginning 1979, includes members of unrelated subfamilies not shown separately. For earlier years, unrelated subfamily members are included in the "In families" category. [3] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

No. 738. Children Below the Poverty Level, by Race and Hispanic Origin: 1970 to 1987

[Persons as of **March** of the **following year.** Covers only related children in families under 18 years old. Based on Current Population Survey; see headnote, table 720. For explanation of poverty, see text, section 14. For composition of regions, see fig. I, inside front cover]

YEAR AND REGION	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL			
	All races[1]	White	Black	Hispanic[2]	All races[1]	White	Black	Hispanic[2]
1970	10,235	6,138	3,922	(NA)	14.9	10.5	41.5	(NA)
1971	10,344	6,341	3,836	(NA)	15.1	10.9	40.7	(NA)
1972	10,082	5,784	4,025	(NA)	14.9	10.1	42.7	(NA)
1973	9,453	5,462	3,822	1,364	14.2	9.7	40.6	27.8
1974	9,967	6,079	3,713	1,414	15.1	11.0	39.6	28.6
1975	10,882	6,748	3,884	1,619	16.8	12.5	41.4	33.1
1976	10,081	6,034	3,758	1,424	15.8	11.3	40.4	30.1
1977	10,028	5,943	3,850	1,402	16.0	11.4	41.6	28.0
1978	9,722	5,674	3,781	1,354	15.7	11.0	41.2	27.2
1979	9,993	5,909	3,745	1,505	16.0	11.4	40.8	27.7
1980	11,114	6,817	3,906	1,718	17.9	13.4	42.1	33.0
1981	12,068	7,429	4,170	1,874	19.5	14.7	44.9	35.4
1982	13,139	8,282	4,388	2,117	21.3	16.5	47.3	38.9
1983	13,427	8,534	4,273	2,251	21.8	17.0	46.2	37.7
1984	12,929	8,086	4,320	2,317	21.0	16.1	46.2	38.7
1985	12,483	7,838	4,057	2,512	20.1	15.6	43.1	39.6
1986	12,257	7,714	4,039	2,413	19.8	15.3	42.7	37.1
1987	12,435	7,550	4,297	2,631	20.0	15.0	45.1	39.3
Northeast	1,986	1,342	571	600	16.9	13.5	39.4	52.9
Midwest	2,874	1,821	942	184	18.4	13.6	51.5	35.3
South	5,052	2,485	2,511	893	23.4	15.7	45.9	43.7
West	2,522	1,922	273	953	18.9	16.9	35.4	31.9

NA Not available. [1] Includes persons of other races, not shown separately. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and earlier reports.

No. 739. Families Below Poverty Level and Below 125 Percent of Poverty Level: 1959 to 1987

[Families as of **March** of the **following year.** For explanation of poverty level, see text, section 14]

YEAR	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL				BELOW 125 PERCENT OF POVERTY LEVEL	
	All races[1]	White	Black	Hispanic[2]	All races[1]	White	Black	Hispanic[2]	Number (1,000)	Percent
1959	8,320	6,185	1,860	(NA)	18.5	15.2	48.1	(NA)	11,790	26.2
1960	8,243	6,115	(NA)	(NA)	18.1	14.9	(NA)	(NA)	11,525	25.4
1966	5,784	4,106	1,620	(NA)	11.8	9.3	35.5	(NA)	8,637	17.6
1969	5,008	3,575	1,366	(NA)	9.7	7.7	27.9	(NA)	7,353	14.3
1970	5,260	3,708	1,481	(NA)	10.1	8.0	29.5	(NA)	7,516	14.4
1971	5,303	3,751	1,484	(NA)	10.0	7.9	28.8	(NA)	7,761	14.6
1972	5,075	3,441	1,529	(NA)	9.3	7.1	29.0	(NA)	7,347	13.5
1973	4,828	3,219	1,527	468	8.8	6.6	28.1	19.8	7,044	12.8
1974	4,922	3,352	1,479	526	8.8	6.8	26.9	21.2	7,195	12.9
1975	5,450	3,838	1,513	627	9.7	7.7	27.1	25.1	7,974	14.2
1976	5,311	3,560	1,617	598	9.4	7.1	27.9	23.1	7,647	13.5
1977	5,311	3,540	1,637	591	9.3	7.0	28.2	21.4	7,713	13.5
1978	5,280	3,523	1,622	559	9.1	6.9	27.5	20.4	7,417	12.8
1979[3]	5,320	3,515	1,666	610	9.1	6.8	27.6	19.7	7,586	13.0
1979[4]	5,461	3,581	1,722	614	9.2	6.9	27.8	20.3	7,784	13.1
1980	6,217	4,195	1,826	751	10.3	8.0	28.9	23.2	8,764	14.5
1981	6,851	4,670	1,972	792	11.2	8.8	30.8	24.0	9,568	15.7
1982	7,512	5,118	2,158	916	12.2	9.6	33.0	27.2	10,279	16.7
1983	7,681	5,254	2,161	985	12.4	9.7	32.3	26.0	10,410	16.8
1984	7,277	4,925	2,094	991	11.6	9.1	30.9	25.2	9,901	15.8
1985	7,223	4,983	1,983	1,074	11.4	9.1	28.7	25.5	9,753	15.3
1986	7,023	4,811	1,987	1,085	10.9	8.6	28.0	24.7	9,476	14.7
1987	7,059	4,592	2,149	1,183	10.8	8.2	29.9	25.8	9,458	14.5

NA Not available. [1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Population controls based on 1970 census; see text, section 14. [4] Population controls based on 1980 census; see text, section 14.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

No. 740. Families Below Poverty Level—Selected Characteristics, by Race and Hispanic Origin: 1987

[**In thousands, except percent.** Families as of **March 1988.** For explanation of poverty, see text, section 14. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	NUMBER BELOW POVERTY LEVEL				PERCENT BELOW POVERTY LEVEL			
	All races[1]	White	Black	Hispanic[2]	All races[1]	White	Black	Hispanic[2]
Total	**7,059**	**4,592**	**2,149**	**1,183**	**10.8**	**8.2**	**29.9**	**25.8**
Age of householder:								
15-24 years old	863	558	285	157	29.5	23.6	56.7	37.8
25-34 years old	2,317	1,429	782	415	15.4	11.4	39.4	28.9
35-44 years old	1,595	1,081	431	304	10.1	8.0	24.4	25.5
45-54 years old	774	478	247	140	7.0	5.0	20.8	19.6
55-64 years old	759	535	190	97	7.6	6.2	22.9	19.0
65 years old and over	751	511	215	70	7.2	5.4	23.7	21.6
Northeast	1,220	859	312	320	9.1	7.2	26.3	34.9
Midwest	1,620	1,090	467	82	10.2	7.7	33.6	26.7
South	2,925	1,636	1,237	398	12.8	8.8	31.1	27.0
West	1,293	1,007	133	383	9.9	8.6	21.3	20.3
Size of family:								
2 persons	2,346	1,645	609	234	8.7	6.9	25.4	20.0
3 persons	1,622	1,040	519	268	10.5	7.9	28.4	24.0
4 persons	1,414	906	457	255	10.3	7.7	29.5	22.7
5 persons	864	536	280	212	14.8	11.1	37.4	33.9
6 persons	453	273	137	114	22.0	17.1	40.3	35.8
7 persons or more	360	191	148	101	29.5	23.5	46.6	42.3
Mean size	3.54	3.44	3.70	4.10	(X)	(X)	(X)	(X)
Mean number of children per family with children	2.25	2.19	2.36	2.61	(X)	(X)	(X)	(X)
Education of householder:[3]								
Elementary: Less than 8 years	1,207	827	299	476	26.3	25.4	36.4	40.9
8 years	552	403	133	89	17.1	14.4	34.9	31.3
High school: 1 to 3 years	1,406	810	556	203	18.8	13.4	42.6	30.6
4 years	2,132	1,377	665	187	9.3	6.9	27.8	16.3
College: 1 year or more	899	617	191	72	3.7	2.9	11.2	7.8
Work experience of householder in 1987:[4]								
Total	**7,022**	**4,567**	**2,137**	**1,178**	**10.9**	**8.2**	**30.4**	**26.1**
Worked	3,311	2,349	840	563	6.7	5.4	17.5	16.2
50 to 52 weeks	1,334	1,012	286	269	3.4	2.9	8.2	10.2
1 to 49 weeks	1,977	1,337	555	295	19.9	16.2	41.3	34.4
Did not work	3,712	2,219	1,297	615	25.3	18.4	58.2	59.0

X Not applicable. [1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Household-
r 25 years old and over. [4] Restricted to families with civilian workers.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

No. 741. Families Below Poverty Level and Below 125 Percent of Poverty Level, by Type: 1970 to 1986

[In thousands, except percent. Families include unrelated individuals and are therefore not directly comparable to Census Bureau definitions; see text, section 1. Adjustments for family size and inflation were made to family income and poverty thresholds, see text, section 14. Based on March Current Population Survey, 1971–1987]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
NUMBER OF FAMILIES									
All families	67,261	76,365	87,702	88,969	89,625	91,665	93,398	95,297	96,602
Families with children [1]	30,067	31,392	33,116	32,901	32,931	33,130	33,353	33,952	34,257
Married couples	24,457	24,639	24,611	24,149	24,105	24,101	23,960	24,444	24,428
Single mothers	3,386	4,678	6,014	6,205	6,150	6,410	6,571	6,646	6,852
Nonelderly units:									
Childless families	14,977	16,965	18,534	19,195	19,487	19,805	20,181	20,175	20,677
Unrelated individuals	9,469	13,252	19,006	19,445	19,384	20,573	21,403	22,312	22,380
Elderly units:									
Childless families	6,907	7,904	9,050	9,294	9,414	9,567	9,698	9,935	10,113
Unrelated individuals	5,840	6,851	7,991	8,134	8,406	8,590	8,764	8,922	9,185
NUMBER OF FAMILIES BELOW POVERTY LEVEL									
All families	9,775	9,630	10,869	11,578	12,142	12,895	12,091	12,203	12,259
Families with children [1]	3,330	3,903	4,432	4,691	5,291	5,463	5,230	5,177	5,198
Married couples	1,558	1,629	1,555	1,683	1,969	2,051	1,877	1,803	1,644
Single mothers	1,509	2,050	2,498	2,648	2,890	2,948	2,918	2,957	3,121
Nonelderly units:									
Childless families	882	611	587	797	920	954	907	898	826
Unrelated individuals	2,146	2,677	3,307	3,591	3,578	3,975	3,890	3,990	4,016
Elderly units:									
Childless families	965	504	574	527	527	529	408	420	413
Unrelated individuals	2,672	1,936	1,969	1,972	1,827	1,774	1,656	1,718	1,815
PERCENT BELOW POVERTY LEVEL									
All families	15	13	12	13	14	14	13	13	13
Families with children [1]	11	12	13	14	16	16	16	15	15
Married couples	6	7	6	7	8	9	8	7	7
Single mothers	45	44	42	43	47	46	44	44	46
Nonelderly units:									
Childless families	4	4	3	4	5	5	4	4	4
Unrelated individuals	23	20	17	18	18	19	18	18	18
Elderly units:									
Childless families	14	6	6	6	6	6	4	4	4
Unrelated individuals	46	28	25	24	22	21	19	19	20
PERCENT BELOW 125 PERCENT OF POVERTY LEVEL									
All families	20	19	18	18	19	19	18	18	18
Families with children [1]	16	18	17	19	21	22	21	19	19
Married couples	11	11	10	11	12	13	12	10	10
Single mothers	54	53	49	51	54	53	53	52	54
Nonelderly units:									
Childless families	6	6	5	6	7	7	7	7	8
Unrelated individuals	27	26	23	23	24	24	24	22	22
Elderly units:									
Childless families	22	13	11	11	10	9	8	8	8
Unrelated individuals	59	44	40	40	36	35	33	33	34

[1] Includes other types of families not shown separately.

Source: Congressional Budget Office, *Trends in Family Income: 1970–1986,* February 1988.

No. 742. PERSONS BELOW POVERTY LEVEL AND POVERTY RATE, BY VALUATION TECHNIQUE AND TYPE OF NONCASH BENEFIT INCLUDED: 1980 TO 1987

[Persons as of **March** of the **following year.** Valuation techniques that are used to measure noncash benefits are as follows: (1) Market value approach which is equal to the purchase price in the private market of the goods received by the recipient; and (2) recipient and/or cash equivalent approach which is the amount of cash that would make the recipient just as well off as the in-kind transfer or would reflect the recipient's own valuation of the benefit. For more information on the methodology, see source]

VALUATION TECHNIQUE AND TYPE OF NONCASH BENEFIT INCLUDED	1980	1982	1983	1984	1985	1986	1987
NUMBER BELOW POVERTY LEVEL (1,000)							
Current poverty definition [1]	29,272	34,398	35,515	33,700	33,064	32,370	32,546
Market value approach:							
Including food and housing	25,042	30,688	32,123	30,103	29,489	28,908	29,004
Including food, housing, and medical benefits, excluding institutional expenditures	18,221	23,563	24,512	23,019	21,941	20,983	20,440
Recipient and/or cash equivalent approach:							
Including food and housing	25,633	31,365	32,718	30,909	30,351	29,713	29,821
Including food, housing, and medical benefits, excluding institutional expenditures	23,895	29,407	30,720	28,917	28,281	26,579	26,575
PERCENT BELOW POVERTY LEVEL							
Current poverty definition [1]	13.0	15.0	15.3	14.4	14.0	13.6	13.5
Market value approach:							
Including food and housing	11.1	13.4	13.9	12.9	12.5	12.1	12.0
Including food, housing, and medical benefits, excluding institutional expenditures	8.1	10.3	10.6	9.8	9.3	8.8	8.5
Recipient and/or cash equivalent approach:							
Including food and housing	11.4	13.7	14.1	13.2	12.8	12.5	12.4
Including food, housing, and medical benefits, excluding institutional expenditures	10.6	12.8	13.3	12.4	12.0	11.1	11.0

[1] See text, section 14.

Source: U.S. Bureau of the Census, *Estimates of Poverty Including the Value of Noncash Benefits: 1987,* Technical Paper 58.

No. 743. PERSONS BELOW POVERTY LEVEL AND POVERTY RATE, BY SELECTED CHARACTERISTIC, USING ALTERNATIVE METHODS OF VALUING NONCASH BENEFITS: 1987

[Persons as of **March 1988.** For explanation of valuation techniques, see headnote, table 742. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	NUMBER (1,000)					PERCENT BELOW POVERTY LEVEL				
		Market value		Recipient value			Market value		Recipient value	
	Current poverty definition	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures	Current poverty definition	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures
All persons	**32,546**	**29,004**	**20,440**	**29,821**	**26,575**	**13.5**	**12.0**	**8.5**	**12.4**	**11.0**
Under 6 years old	4,983	4,546	3,436	4,640	4,324	22.8	20.8	15.7	12.2	19.8
6-17 years old	8,032	6,947	5,010	7,131	6,561	19.4	16.8	12.1	17.2	15.9
18-24 years old	3,993	3,710	3,092	3,774	3,571	15.3	14.2	11.9	14.5	13.7
25-44 years old	7,901	7,106	5,532	7,295	6,745	10.2	9.2	7.1	9.4	8.7
45-64 years old	4,145	3,795	2,777	3,936	3,534	9.1	8.4	6.1	8.7	7.8
65 years old and over	3,491	2,899	592	3,044	1,839	12.2	10.2	2.1	10.7	6.4
White	21,409	19,336	14,086	19,757	17,664	10.5	9.5	6.9	9.7	8.7
Black	9,683	8,349	5,475	8,713	7,768	33.1	28.5	18.7	29.8	26.5
Hispanic [1]	5,470	4,904	3,565	4,974	4,620	28.2	25.3	18.4	25.6	23.8
Northeast	5,476	4,748	2,771	4,938	4,261	11.0	9.6	5.6	9.9	8.6
Midwest	7,499	6,698	4,560	6,924	6,082	12.7	11.3	7.7	11.7	10.3
South	13,287	11,891	8,893	12,205	11,073	16.1	14.4	10.8	14.8	13.4
West	6,285	5,667	4,216	5,754	5,158	12.6	11.4	8.5	11.6	10.4

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Estimates of Poverty Including the Value of Noncash Benefits: 1987,* Technical Paper 58.

No. 744. Gross and Net Stock of Fixed Reproducible Tangible Wealth in Current and Constant (1982) Dollars: 1970 to 1987

[In billions of dollars. As of December 31]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS													
Gross stock, total	**4,335**	**7,605**	**9,359**	**10,905**	**12,366**	**13,914**	**15,330**	**15,873**	**16,768**	**17,733**	**18,770**	**19,723**	**20,973**
Equipment	1,583	2,686	3,297	3,727	4,247	4,849	5,432	5,840	6,160	6,499	6,900	7,352	7,804
Structures	2,752	4,919	6,063	7,177	8,119	9,065	9,899	10,032	10,607	11,235	11,870	12,371	13,169
Private	2,649	4,756	5,992	6,981	7,902	8,943	10,007	10,343	10,929	11,566	12,105	12,693	13,512
Nonresidential equipment	679	1,252	1,558	1,770	2,031	2,353	2,680	2,894	3,008	3,153	3,287	3,447	3,607
Nonresidential structures	774	1,409	1,696	2,004	2,194	2,491	2,823	2,965	3,087	3,280	3,420	3,547	3,747
Residential	1,195	2,094	2,739	3,207	3,677	4,098	4,503	4,484	4,834	5,133	5,399	5,699	6,157
Corporate	1,115	2,056	2,518	2,902	3,264	3,748	4,259	4,542	4,706	4,977	5,202	5,443	5,737
Noncorporate	1,533	2,700	3,474	4,080	4,638	5,195	5,748	5,801	6,223	6,589	6,903	7,249	7,774
Government	1,006	1,730	1,995	2,372	2,704	2,997	3,162	3,234	3,387	3,561	3,848	3,965	4,143
Equipment	224	314	367	406	456	521	590	651	700	739	796	841	879
Structures	782	1,416	1,628	1,966	2,248	2,476	2,572	2,583	2,687	2,822	3,052	3,125	3,264
Federal	371	549	635	710	802	910	997	1,059	1,123	1,162	1,257	1,308	1,359
Military	228	316	366	403	465	533	586	636	683	706	784	823	854
State and local	635	1,181	1,361	1,662	1,902	2,087	2,165	2,175	2,264	2,400	2,591	2,658	2,784
Consumer durable goods	680	1,119	1,372	1,552	1,760	1,974	2,162	2,295	2,452	2,606	2,817	3,064	3,318
Net stock, total	**2,637**	**4,600**	**5,625**	**6,564**	**7,436**	**8,312**	**9,094**	**9,310**	**9,775**	**10,325**	**10,912**	**11,460**	**12,198**
Private	1,637	2,934	3,681	4,295	4,867	5,484	6,104	6,242	6,563	6,939	7,255	7,603	8,091
Government	627	1,070	1,218	1,449	1,644	1,808	1,894	1,926	2,005	2,100	2,259	2,321	2,423
Consumer durable goods	372	596	725	820	925	1,020	1,096	1,142	1,207	1,286	1,398	1,535	1,684
CONSTANT (1982) DOLLARS													
Gross stock, total	**10,743**	**12,772**	**13,597**	**14,093**	**14,604**	**15,042**	**15,467**	**15,834**	**16,245**	**16,762**	**17,335**	**17,921**	**18,523**
Equipment	3,344	4,236	4,638	4,889	5,146	5,355	5,558	5,741	5,952	6,223	6,537	6,864	7,217
Structures	7,399	8,536	8,958	9,204	9,458	9,687	9,909	10,093	10,293	10,539	10,798	11,057	11,307
Private	6,989	8,313	8,837	9,164	9,514	9,813	10,106	10,334	10,579	10,904	11,254	11,602	11,945
Nonresidential equipment	1,620	2,084	2,273	2,400	2,537	2,651	2,759	2,834	2,913	3,024	3,154	3,282	3,416
Nonresidential structures	2,118	2,429	2,540	2,609	2,686	2,769	2,865	2,951	3,020	3,104	3,195	3,263	3,323
Residential	3,251	3,800	4,023	4,154	4,291	4,393	4,481	4,548	4,646	4,776	4,906	5,057	5,207
Corporate	2,883	3,480	3,715	3,867	4,036	4,194	4,354	4,481	4,600	4,771	4,969	5,148	5,325
Noncorporate	4,106	4,833	5,122	5,297	5,477	5,619	5,752	5,853	5,979	6,132	6,285	6,454	6,621
Government	2,548	2,839	2,943	3,001	3,056	3,118	3,171	3,230	3,291	3,348	3,422	3,501	3,594
Equipment	518	532	549	561	575	592	609	637	665	689	725	764	817
Structures	2,030	2,307	2,395	2,440	2,481	2,525	2,562	2,594	2,627	2,659	2,697	2,737	2,777
Federal	922	934	952	965	980	999	1,018	1,046	1,075	1,098	1,133	1,168	1,216
Military	554	544	555	561	574	588	600	624	647	666	695	729	789
State and local	1,626	1,905	1,992	2,036	2,076	2,118	2,153	2,185	2,217	2,250	2,290	2,334	2,378
Consumer durable goods	1,206	1,620	1,816	1,928	2,034	2,111	2,190	2,270	2,375	2,511	2,658	2,818	2,984
Net stock, total	**6,566**	**7,743**	**8,177**	**8,467**	**8,762**	**8,972**	**9,165**	**9,299**	**9,469**	**9,750**	**10,079**	**10,416**	**10,765**
Private	4,313	5,130	5,421	5,622	5,841	6,005	6,156	6,244	6,349	6,535	6,741	6,940	7,132
Government	1,594	1,753	1,796	1,826	1,852	1,878	1,898	1,925	1,949	1,974	2,012	2,053	2,106
Consumer durable goods	659	860	960	1,019	1,069	1,090	1,111	1,129	1,170	1,242	1,327	1,424	1,526

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925-85* and *Survey of Current Business*, January 1986 and August 1988.

No. 745. Household Net Worth—Ownership, Median Equity Value of Asset Holdings, and Distribution of Net Worth, by Type of Asset: 1984

[Equity values of asset and liability balances held at the end of months August-November 1984. Excludes persons in group quarters. Based on the Survey of Income and Program Participation; see text, section 14. For definition of median, see Guide to Tabular Presentation]

TYPE OF ASSET	Percent of households owning asset type	Median value of holdings for asset owner	Percent distribution of net worth
Interest-earning assets at financial institutions	71.8	3,066	14.4
Savings accounts	62.9	(NA)	(NA)
Money market deposit accounts	15.7	(NA)	(NA)
Certificates of deposit	19.1	(NA)	(NA)
Interest-earning checking	24.9	(NA)	(NA)
Other interest-earning assets	8.5	9,471	3.1
Money market funds	3.8	(NA)	(NA)
Government securities	1.4	(NA)	(NA)
Corporate or municipal bonds	2.6	(NA)	(NA)
Other interest-earning assets	2.8	(NA)	(NA)
Checking accounts [1]	53.9	449	.6
Stocks and mutual funds	20.0	3,892	6.8
Own home	64.3	40,597	41.3
Rental property	9.8	34,556	9.0
Other real estate	10.0	14,791	4.4
Vehicles	85.8	4,104	6.0
Own business or profession	12.9	6,296	10.3
U.S. savings bonds	15.0	300	.5
IRA or KEOGH accounts	19.5	4,805	2.2
Other financial instruments [2]	6.9	12,789	4.8

NA Not available. [1] Regular non-interest-earning checking accounts. [2] Includes mortgages held from sale of real estate amount due from sale of a business, unit trusts, and other financial investments.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.

No. 746. HOUSEHOLD NET WORTH—PERCENT DISTRIBUTION BY SELECTED CHARACTERISTICS: 1984

[See headnote, table 745. Based on the Survey of Income and Program Participation; see text, section 14]

CHARACTERISTIC	Number of households (1,000)	PERCENT DISTRIBUTION OF HOUSEHOLDS BY NET WORTH								Median (dol.)
		Zero or negative	$1 to $4,999	$5,000 to $9,999	$10,000 to $24,999	$25,000 to $49,999	$50,000 to $99,999	$100,000 to $249,999	$250,000 and over	
Total	**86,790**	**11.0**	**15.3**	**6.4**	**12.4**	**14.5**	**19.3**	**15.3**	**5.9**	**32,667**
Age of householder:										
Less than 35 years old	25,730	19.1	28.9	11.0	17.2	11.9	8.2	2.9	.9	5,764
35 to 44 years old	17,393	9.7	12.5	6.1	13.4	18.3	21.4	13.7	4.7	35,581
45 to 54 years old	12,596	8.2	8.5	4.1	10.6	14.1	24.9	21.0	8.7	56,791
55 to 64 years old	12,920	5.3	7.7	3.3	7.8	13.3	25.3	25.7	11.6	73,664
65 years old and over	18,151	6.7	8.7	4.0	9.1	15.5	24.7	23.1	8.2	60,266
Race of householder:										
White	75,343	8.4	14.0	6.3	12.2	15.0	20.7	16.9	6.5	39,135
Black	9,509	30.5	23.9	6.8	14.0	11.7	9.3	3.3	.6	3,397
Hispanic [1]	**4,162**	**23.9**	**26.3**	**7.6**	**11.4**	**9.5**	**13.1**	**5.1**	**3.1**	**4,913**
Region:										
Northeast	18,533	12.4	13.7	6.2	10.5	13.6	21.2	17.0	5.6	37,734
Midwest	22,141	9.7	14.4	5.7	12.4	16.7	21.0	14.5	5.7	35,707
South	29,430	10.6	16.2	7.1	14.5	15.5	17.8	13.4	4.9	27,296
West	16,686	11.9	16.7	6.4	10.6	10.7	17.4	17.9	8.5	33,525
Type of household:										
Married-couple households	50,606	6.0	10.5	5.6	12.2	15.6	22.7	19.5	8.0	50,116
Male householder	12,588	15.5	25.1	9.7	13.3	11.6	13.0	8.0	4.0	9,883
Female householder	23,596	19.3	20.3	6.4	12.2	13.5	15.3	10.3	2.6	13,885
Education of householder:										
Less than 12 years	24,736	15.1	17.2	6.6	12.4	15.9	18.6	11.3	2.9	23,447
High school: 4 years	27,454	10.1	17.0	6.3	12.7	14.6	19.9	14.8	4.6	31,892
College: 1 to 3 years	17,171	10.2	16.7	7.2	13.0	13.6	19.3	14.4	5.5	29,121
4 years or more	17,430	7.4	8.5	5.6	11.3	12.8	19.1	22.7	12.6	60,417
Tenure:										
Owner	55,820	1.4	2.9	3.9	13.1	19.6	28.0	22.5	8.7	63,253
Renter	30,970	29.3	37.6	11.0	11.1	5.2	3.6	2.3	.9	1,921

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.

No. 747. HOUSEHOLD NET WORTH—MEDIAN VALUE OF HOLDINGS: 1984

[In dollars. Balances of assets and liabilities held at the end of months August-November 1984. Data exclude group quarters. Based on the Survey of Income and Program Participation; see text, section 14. For definition of median, see Guide to Tabular Presentation]

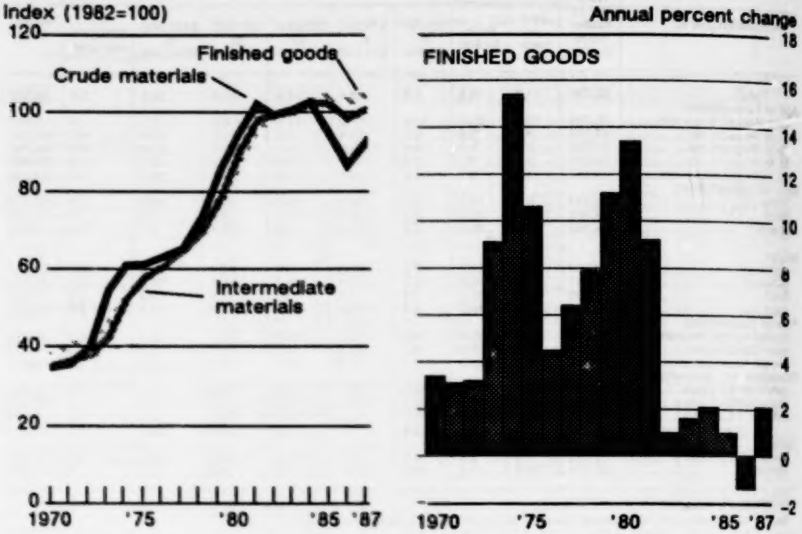
CHARACTERISTIC	Net worth	Interest-earning deposits [1]	Other interest-earning assets [2]	Regular checking accounts [3]	EQUITY IN—					IRA and KEOGH accounts
					Own home	Rental property	Other real estate	Motor vehicles	Own business or profession	
Total	**32,667**	**3,066**	**9,471**	**449**	**40,597**	**34,556**	**14,791**	**4,104**	**6,296**	**4,805**
Age of householder:										
Less than 35 years old	5,764	901	2,318	327	17,586	17,482	10,225	3,321	2,643	2,484
35 to 44 years old	35,581	1,894	5,260	410	37,268	31,666	14,324	4,499	6,140	4,438
45 to 54 years old	56,791	3,387	7,766	538	48,172	34,164	18,855	5,422	13,271	5,351
55 to 64 years old	73,664	7,340	13,559	588	54,059	42,840	17,748	4,871	10,639	6,390
65 years old and over	60,266	13,255	18,144	651	46,192	42,527	17,329	3,372	5,019	6,369
Race of householder:										
White	39,135	3,457	9,826	457	41,999	34,516	15,488	4,293	7,113	4,922
Black	3,397	739	(B)	318	24,077	27,291	10,423	2,691	2,054	2,450
Hispanic [4]	**4,913**	**1,178**	**(B)**	**359**	**38,867**	**23,772**	**10,689**	**3,091**	**6,580**	**3,257**
Region:										
Northeast	37,734	3,923	9,101	424	49,213	29,104	20,259	4,233	6,259	4,914
Midwest	35,707	2,964	8,784	374	37,139	35,752	12,345	4,404	7,057	4,672
South	27,296	2,774	9,570	501	34,129	29,695	12,524	4,042	6,987	4,878
West	33,525	2,962	10,017	496	52,062	44,929	22,037	3,675	5,455	4,781
Type of household:										
Married-couple households	50,116	3,336	9,150	477	42,634	38,119	15,944	4,942	8,087	5,499
Male householder	9,883	2,091	8,368	481	30,238	32,676	10,933	3,102	5,157	4,262
Female householder	13,885	2,941	10,063	358	38,009	26,414	10,849	2,731	1,733	3,976
Education of householder:										
Less than 12 years	23,477	3,666	9,972	392	34,905	30,271	10,503	3,119	5,430	4,692
High school: 4 years	31,862	2,563	7,434	391	39,890	33,065	14,878	4,087	5,864	4,487
College: 1 to 3 years	29,121	2,049	8,077	433	41,114	32,810	13,144	4,192	6,077	4,442
4 or more years	60,417	4,296	9,890	677	51,168	40,976	21,156	5,231	7,954	5,520
Tenure:										
Owner	63,253	4,333	10,051	506	40,597	34,876	15,135	4,892	10,196	5,265
Renter	1,921	1,182	5,056	342	(X)	32,126	12,968	2,725	2,002	3,205

B Base figure too small to meet statistical standards for reliability of derived figure. X Not applicable. [1] At financial institutions. Includes passbook savings accounts, money market deposit accounts, certificates of deposit, and interest-earning checking accounts. [2] Includes money market funds, U.S. Government securities, municipal and corporate bonds, and other interest-earning assets. [3] Excludes interest-earning checking. [4] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.

Figure 15.1

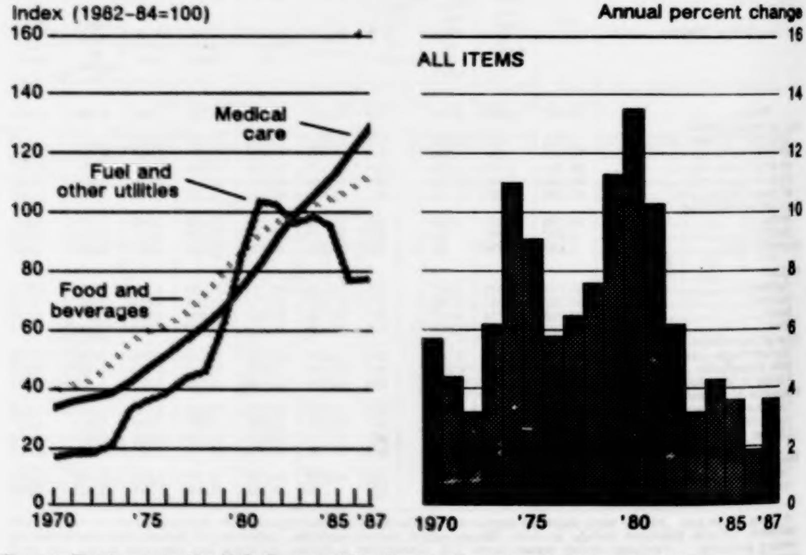
Producer Price Indexes by Stage of Processing: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 749 and 753.

Figure 15.2

Consumer Price Indexes: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 749 and 760.

Section 15

Prices

This section presents indexes of producer and consumer prices, actual prices for selected commodities and energy prices. The primary sources of these data are monthly publications of the Department of Labor, Bureau of Labor Statistics (BLS), which include:*Monthly Labor Review; Consumer Price Index, Detailed Report; Consumer Prices: Energy* and *Food;* and *Producer Price Indexes.* The Bureau of Economic Analysis of the Department of Commerce is the source for the gross national product implicit price deflators; see table 751. The Department of Agriculture's Economic Research Service (ERS) produces indexes of prices received and prices paid by farmers; see section 23.

The Bureau of Labor Statistics prepares monthly indexes of producer prices for a large selection of commodities, and monthly indexes of consumer prices for both commodities and services.

Producer price index.—This index, dating from 1890, is theoldest continuous statistical series published by BLS. It is designed to measure average changes in prices received by producers of all commodities, at all stages of processing, produced in the U.S.

The index has undergone several revisions (see *Monthly Labor Review,* February 1962 and April 1978). It is now based on approximately 3,400 commodity price series instead of the approximately 3,200 included in the 1947-1960 period and the 900 included for the period prior to 1947. Indexes for the net output of mining and manufacturing industries have been added in recent years. Prices used in constructing the index are collected from sellers, and generally apply to the first significant large-volume commercial transaction for each commodity—i.e., the manufacturer's or other producer's selling price or the selling price on an organized exchange or at a central market.

The weights used in the index represent the total net selling value of commodities produced or processed in this country. Values are f.o.b. production point and are exclusive of excise taxes. Effective with the release of data for January 1988, many important producer price indexes were changed to a new reference base year, 1982=100, from 1967=100. The base year 1982 coincides with the reference year of the PPI shipment weights, which have been taken primarily from the 1982 Census of Manufactures.

Consumer price indexes (CPI).—The CPI is a measure of the average change in prices over time in a fixed "market basket" of goods and services purchased either by urban wage earners and clerical workers or by all urban consumers.

In 1919, BLS began to publish complete indexes at semiannual intervals, using a weighting structure based on data collected in the expenditure survey of wage-earner and clerical-worker families in 1917-19 (BLS Bulletin 357, 1924). The first major revision of the CPI occurred in 1940, with subsequent revisions in 1953, 1964, 1978, and 1987.

Beginning with the release of data for January 1988 in February 1988, most Consumer Price Indexes shifted to a new reference base year. All indexes previously expressed on a base of 1967=100, or any other base through December 1981, have been rebased to 1982-84=100. Selection of the 1982-84 period was made to coincide with the updated expenditure weights, which are based upon data tabulated from the Consumer Expenditure Surveys for 1982, 1983, and 1984.

BLS publishes CPI's for two population groups: (1) a CPI for All Urban Consumers (CPI-U) which covers approximately 80 percent of the total population; and (2) a CPI for Urban Wage Earners and Clerical Workers (CPI-W) which covers 32 percent of the total population. The CPI-U includes in addition to wage earners and clerical workers, groups which historically have been excluded from CPI coverage, such as professional, managerial, and technical workers, the self-employed, short-term workers, the unemployed, and retirees and others not in the labor force.

The current CPI is based on prices of food, clothing, shelter, fuels, transportation fares, charges for doctors' and dentists' services, drugs, etc. purchased for day-to-day living. Prices are collected in 85 areas across the country from over 57,000 housing units and 19,000 establishments. Area selection was based on the 1980 census. All taxes directly associated with the purchase and use of items are included in the index. Prices of food, fuels, and a few other items are obtained every month in all 85 locations. Prices of most other commodities and services are collected monthly in the five largest geographic areas and every other month in other areas.

In calculating the index, each item is assigned a weight to account for its relative importance in consumers' budgets. Price changes for the various items in each location are then averaged. Local data are then combined to obtain a U.S. city average. Separate indexes are also published for regions, area size-classes, cross-classifications of regions and size-classes, and for 27 local areas, usually consisting of the Metropolitan Statistical Area (MSA); see Appendix II. Area definitions are those established by the Office of Management and Budget in 1983. Definitions do not include revisions made since 1983. Area indexes do not measure differences in the level of prices among cities, they only measure the average change in prices for each area since the base period. For further detail regarding the CPI, see the BLS *Handbook of Methods*, Bulletin 2285, Chapter 19: the Consumer Price Index, and Report 736, the CPI: 1987 Revision.

In January 1983, the method of measuring homeownership costs in the CPI-U was changed to a rental equivalence approach. This treatment calculates homeowner costs of the shelter based on the implicit rent owners would pay to rent the homes they own. The rental equivalence approach was introduced into the CPI-W in January 1985.

Other price indexes.—The fixed-weighted price index is a weighted average of the detailed price indexes used in the deflation of goods and services that make up the GNP. These price indexes are combined using weights that reflect the composition of GNP in 1982. Because the same weights are used for each period, changes in this index measure changes in prices over any period. The chain price index is an alternative measure of price change. It is a weighted average of the same detailed price indexes, but they are combined using weights that reflect the composition of GNP in the first of two consecutive periods. Thus, changes in this index measure changes in prices only between the consecutive periods.

The implicit price deflator is a by-product of the deflation of GNP. It is derived as the ratio of current- to constant-dollar GNP (multiplied by 100). It is a weighted average of the detailed price indexes used in the deflation of GNP, but they are combined using weights that reflect the composition of GNP in each period. Thus, changes in the implicit price deflator reflect not only changes in prices but also changes in the composition of GNP.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to the producer price index and the CPI, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 748. Purchasing Power of the Dollar: 1950 to 1987

[**Indexes: PPI, 1982=$1.00; CPI, 1982-84=$1.00.** Producer prices prior to 1961, and consumer prices prior to 1964, exclude Alaska and Hawaii. Producer prices based on finished goods index. Obtained by dividing the average price index for the 1982=100, PPI; 1982-84=100, CPI base periods (100.0) by the price index for a given period and expressing the result in dollars and cents. Annual figures are based on average of monthly data]

YEAR	ANNUAL AVERAGE AS MEASURED BY—		YEAR	ANNUAL AVERAGE AS MEASURED BY—		YEAR	ANNUAL AVERAGE AS MEASURED BY—	
	Producer prices	Consumer prices		Producer prices	Consumer prices		Producer prices	Consumer prices
1950	$3.546	$4.151	1963	$2.994	$3.265	1976	$1.645	$1.757
1951	3.247	3.846	1964	2.985	3.220	1977	1.546	1.649
1952	3.268	3.765	1965	2.933	3.166	1978	1.433	1.532
1953	3.300	3.735	1966	2.841	3.080	1979	1.289	1.380
1954	3.289	3.717	1967	2.809	2.993	1980	1.136	1.215
1955	3.279	3.732	1968	2.732	2.873	1981	1.041	1.098
1956	3.195	3.678	1969	2.632	2.726	1982	1.000	1.035
1957	3.077	3.549	1970	2.545	2.574	1983	.984	1.003
1958	3.012	3.457	1971	2.469	2.466	1984	.964	.961
1959	3.021	3.427	1972	2.392	2.391	1985	.955	.928
1960	2.994	3.373	1973	2.193	2.251	1986	.969	.913
1961	2.994	3.340	1974	1.901	2.029	1987	.949	.880
1962	2.985	3.304	1975	1.718	1.859			

Source: U.S. Bureau of Labor Statistics. Monthly data in U.S. Bureau of Economic Analysis, *Survey of Current Business*

No. 749. Annual Percent Change in Selected Price Indexes: 1960 to 1987

[Yearly averages. Minus sign (–) indicates decrease. GNP=Gross national product; see text, section 15]

YEAR OR PERIOD	CONSUMER PRICES (1982-84=100)						PRODUCER PRICES (1982=100)					GNP DEFLATOR [2] (1982=100)			
	All items	Food	Fuel oil and other household fuel commodities [1]	Gas (piped) and electricity	Rent	Services	Finished goods: Total	Finished goods: Consumer goods	Intermediate goods	Crude goods: Total	Crude goods: Fuel	Gross domestic product, total	Gross domestic business product	Gross nonfarm business product	PCE [3]
1960 [4]	1.7	1.0	–.7	4.0	1.3	3.4	.9	.9	-	–2.3	1.0	1.6	1.2	1.2	1.9
1961	1.0	1.3	2.2	.9	1.3	1.7	-	-	–.6	–.7	-	1.0	.9	.6	1.2
1962	1.0	.7	.7	-	1.3	2.0	.3	.3	-	1.0	–1.0	2.2	1.8	2.1	1.8
1963	1.3	1.6	1.4	-	1.0	2.0	–.3	–.6	.3	–2.0	1.0	1.6	.9	.9	1.5
1964	1.3	1.3	-	-	1.0	2.0	.3	.3	.3	–1.0	-	1.5	1.2	1.2	1.7
1965	1.6	2.2	1.4	-	1.0	2.3	1.8	1.8	1.3	5.1	1.0	2.7	2.3	2.0	1.7
1966	2.9	5.0	2.7	.4	1.5	3.8	3.2	3.5	2.6	6.4	2.8	3.6	3.1	2.8	3.1
1967	3.1	.9	3.3	.4	1.7	4.3	1.1	.6	.6	–5.4	3.7	2.6	2.5	3.0	2.5
1968	4.2	3.5	3.2	.8	2.6	5.2	2.8	2.5	2.5	1.6	1.8	5.0	4.6	4.3	4.5
1969	5.5	5.1	1.9	1.7	3.2	6.9	3.8	3.8	3.3	6.6	4.3	5.6	4.9	4.9	4.3
1970	5.7	5.7	4.3	4.5	4.0	8.0	3.4	3.2	3.8	3.8	15.0	5.5	4.7	4.9	4.6
1971	4.4	3.1	7.1	6.7	4.7	5.7	3.1	2.8	4.0	2.3	13.8	5.7	4.9	4.9	4.7
1972	3.2	4.2	.5	5.2	3.5	3.8	3.2	3.2	3.8	10.8	7.0	4.7	4.0	3.8	4.0
1973	6.2	14.5	15.3	4.9	4.2	4.4	9.1	10.8	11.0	36.6	10.7	6.5	6.4	4.7	6.2
1974	11.0	14.3	57.3	15.4	5.1	9.2	15.4	15.4	23.8	12.7	33.3	9.1	9.3	9.7	10.5
1975	9.1	8.5	9.6	16.2	5.1	9.6	10.6	9.6	10.5	.3	23.4	9.8	10.0	10.7	8.0
1976	5.8	3.0	6.6	11.5	5.3	8.3	4.5	3.8	5.0	2.9	12.7	6.4	6.0	6.3	5.7
1977	6.5	6.3	13.1	13.0	6.1	7.7	6.4	6.5	6.6	3.3	21.7	6.7	6.6	6.7	6.5
1978	7.6	9.9	5.2	8.9	6.9	8.6	7.9	7.9	7.1	12.1	14.8	7.3	7.3	7.0	7.3
1979	11.3	11.0	35.1	10.9	7.2	11.0	11.2	11.7	12.8	17.0	18.9	8.9	9.0	8.8	9.2
1980	13.5	8.6	38.0	17.0	8.9	15.4	13.4	14.3	15.2	10.9	21.1	9.0	9.1	9.7	10.7
1981	10.3	7.8	21.5	14.7	8.7	13.1	9.2	9.0	9.2	8.1	22.2	9.7	9.7	9.8	9.2
1982	6.2	4.1	–1.1	13.8	7.6	9.0	4.1	3.5	1.4	–2.9	17.9	6.4	6.0	6.4	5.7
1983	3.2	2.1	–6.0	8.9	5.8	3.5	1.6	1.3	.6	1.3	5.1	3.9	3.5	3.6	4.1
1984	4.3	3.8	2.3	3.8	5.2	5.2	2.1	2.0	2.5	2.2	-	3.7	3.5	3.2	3.8
1985	3.6	2.3	–3.5	1.6	6.2	5.1	1.0	.5	–.4	–7.4	–2.3	3.1	2.7	3.3	3.2
1986	1.9	3.2	–19.1	–1.3	5.8	5.0	–1.4	–2.3	–3.5	–8.5	–10.2	2.6	2.5	2.6	2.4
1987	3.6	4.1	.4	–1.8	4.1	4.2	2.1	2.2	2.4	6.8	–8.8	3.3	2.9	3.0	4.5
1960-65 [5]	1.3	1.4	1.1	.2	1.1	2.0	.4	.4	.3	.5	.2	1.8	1.4	1.4	1.6
1965-70 [5]	4.3	4.0	3.1	1.6	2.6	5.6	2.9	2.7	2.6	2.5	5.4	4.4	3.9	4.0	3.8
1970-75 [5]	6.8	8.8	16.4	9.6	4.5	6.5	8.2	8.3	10.4	11.8	17.3	7.1	6.9	6.7	6.7
1975-80 [5]	8.9	7.7	18.8	12.2	6.9	10.2	8.6	8.8	9.3	9.1	17.8	7.6	7.7	7.7	7.9
1980-85 [5]	5.5	4.0	2.2	8.4	6.7	7.1	3.5	3.2	2.6	.1	9.2	5.3	5.1	5.2	5.2

- Represents zero. [1] Includes bottled gas. [2] Implicit price deflator. Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1988.
[3] PCE=Personal consumption expenditures. See table 751. [4] Base year for percent change is 1959. [5] Average annual percent change. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: Except as noted, U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

No. 750. Indexes of Spot Primary Market Prices: 1970 to 1988

[1967=100. Index computed weekly through 1981; daily, beginning May 27, 1981. Represents unweighted geometric average of price quotations of 22 commodities. This index is much more sensitive to changes in market conditions than is a monthly producer price index]

ITEM AND NUMBER OF COMMODITIES	1970 (6-16)	1975 (6-24)	1979 (6-26)	1980 (6-24)	1981 (5-26)	1982 (5-25)	1983 (5-23)	1984 (5-22)	1985 (5-21)	1986 (5-20)	1987 (5-26)	1988 (5-27)
All commodities (22)	**113.6**	**189.9**	**281.3**	**265.1**	**267.9**	**247.6**	**249.8**	**293.9**	**251.4**	**218.0**	**250.0**	**270.3**
Foodstuffs (9)	112.2	215.3	265.1	260.9	244.2	252.8	246.1	299.9	248.1	205.5	215.2	230.1
Raw industrials (13)	114.4	174.1	293.0	268.0	285.4	243.9	252.3	289.7	253.6	226.9	277.3	302.0
Livestock and products (5)	123.6	240.8	336.3	250.5	265.2	312.1	278.1	364.5	284.5	231.2	303.3	316.1
Metals (5)	125.2	166.8	332.8	257.9	267.3	218.2	225.9	253.4	220.2	191.2	239.5	276.7
Textiles and fibers (4)	99.9	158.8	192.2	234.7	243.0	206.6	208.0	248.1	220.8	216.9	247.1	247.3
Fats and oils (4)	128.6	213.6	289.4	229.5	238.7	255.7	225.9	363.5	273.1	168.5	201.2	230.4

Source: 1970-1981, U.S. Bureau of Labor Statistics, *Tuesday Spot Market Price Indexes and Prices*, weekly and monthly; thereafter, Commodity Research Bureau, a Knight-Ridder Business Information Service, New York, NY, *CRB Commodity Index Report*, weekly (copyright).

No. 751. Gross National Product Implicit Price Deflators: 1970 to 1987

[1982 = 100. Minus sign (−) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

Year or period	Gross national product	Personal consumption expenditures	Fixed investment[1] Total	Fixed investment[1] Residential	Fixed investment[1] Nonresidential	Exports	Imports	Govt. purchases of goods and services	Final sales
1970	42.0	42.9	39.0	37.0	39.9	38.7	29.0	38.1	42.0
1971	44.4	44.9	41.2	39.0	42.4	40.4	30.2	41.0	44.4
1972	46.5	46.7	43.2	41.2	44.4	41.7	32.0	43.8	46.5
1973	49.5	49.6	45.6	44.8	46.0	47.1	35.5	47.1	49.5
1974	54.0	54.8	50.3	49.8	50.5	56.3	50.4	52.2	54.1
1975	59.3	59.2	56.9	54.2	57.9	62.1	54.1	57.7	59.2
1976	63.1	62.6	60.7	58.0	61.9	64.8	55.7	61.5	63.0
1977	67.3	66.7	65.6	64.6	66.1	68.0	59.8	65.8	67.2
1978	72.2	71.6	71.9	72.6	71.5	72.8	65.8	70.4	72.1
1979	78.6	78.2	78.9	81.4	77.8	81.6	77.1	76.8	78.5
1980	85.7	86.6	86.3	89.4	85.1	90.2	96.0	85.5	85.8
1981	94.0	94.6	94.2	96.6	93.4	97.5	101.6	93.4	93.9
1982	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1983	103.9	104.1	99.8	102.2	98.8	101.3	97.4	104.0	103.9
1984	107.7	108.1	100.2	106.0	97.9	103.2	97.1	108.6	107.7
1985	110.9	111.6	100.6	108.3	97.7	101.0	95.2	112.3	110.9
1986	113.9	114.3	103.5	111.1	100.2	100.0	93.6	114.6	114.0
1987	117.7	119.5	105.2	116.2	100.4	100.0	99.0	118.5	117.7
	AVERAGE ANNUAL PERCENT CHANGE								
1970-1975	7.1	6.7	7.9	7.9	7.7	9.9	13.3	8.7	7.1
1975-1980	7.6	7.9	8.7	10.5	8.0	7.8	12.2	8.2	7.7
1980-1985	5.4	5.2	3.1	3.9	2.6	2.4	−.3	5.7	5.3
1976	6.4	5.7	6.7	7.0	6.9	4.3	3.0	6.6	6.4
1977	6.7	6.5	8.1	11.4	6.8	4.9	7.4	7.0	6.7
1978	7.3	7.3	9.6	12.4	8.2	7.1	10.0	7.0	7.3
1979	8.9	9.2	9.7	12.1	8.8	12.1	17.2	9.1	8.9
1980	9.0	10.7	9.4	9.8	9.4	10.5	24.5	11.3	9.3
1981	9.7	9.2	9.2	8.1	9.8	8.1	5.8	9.2	9.4
1982	6.4	5.7	6.2	3.5	7.1	2.6	−1.6	7.1	6.5
1983	3.9	4.1	−.2	2.2	−1.2	1.3	−2.6	4.0	3.9
1984	3.7	3.8	.4	3.7	−.9	1.9	−.3	4.4	3.7
1985	3.0	3.2	.4	2.2	−.2	−2.1	−2.0	3.4	3.0
1986	2.7	2.4	2.9	2.6	2.6	−1.0	−1.7	2.0	2.8
1987	3.3	4.5	1.6	4.6	.2	-	5.8	3.4	3.2

- Represents zero. [1] Gross private domestic fixed investment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82,* and *Survey of Current Business,* July issues.

No. 752. Gross National Product Fixed-Weighted Price Indexes: 1970 to 1987

[1982 = 100]

Item	1970	1975	1979	1980	1981	1983	1984	1985	1986	1987
Gross national product	**47.2**	**61.8**	**78.8**	**86.1**	**94.1**	**104.1**	**108.3**	**111.9**	**115.0**	**119.1**
Personal consumption expenditures	44.7	60.1	78.6	86.8	94.6	104.2	108.4	112.2	115.3	120.4
Durable goods	55.0	66.7	82.5	89.6	95.8	102.3	104.1	105.2	106.5	108.7
Nondurable goods	45.2	63.2	80.8	89.6	97.0	102.1	105.2	107.9	107.8	112.6
Services	41.9	56.2	76.0	84.0	92.6	106.3	111.8	117.2	123.0	129.0
Gross private domestic investment:										
Fixed investment	61.5	69.0	80.3	86.9	94.5	100.4	101.5	103.3	105.8	108.8
Nonresidential	68.4	73.1	80.1	86.1	93.9	99.9	100.2	101.9	104.3	106.8
Structures	32.6	52.5	75.0	83.1	93.2	97.3	98.1	100.7	101.8	105.1
Producers' durable equipment	91.3	86.3	83.4	88.1	94.4	101.5	101.8	102.6	106.0	107.9
Residential	37.4	54.6	81.2	89.4	96.6	102.2	106.0	108.3	110.9	115.9
Exports of goods and services	43.3	65.4	82.9	90.5	97.7	101.6	104.3	103.7	103.9	108.0
Imports of goods and services	33.4	59.7	80.9	96.3	101.5	97.7	97.5	95.7	93.6	100.8
Government purchases of goods and services	39.6	58.6	77.3	86.3	94.1	104.5	109.2	113.2	115.6	118.6
Federal	39.5	59.4	76.8	86.4	94.9	104.1	108.0	110.4	110.8	113.5
National defense	(NA)	56.5	75.1	84.7	93.8	103.7	107.6	110.5	111.3	114.0
Nondefense	(NA)	66.6	81.0	90.6	97.4	105.1	108.9	110.0	109.4	112.1
State and local	39.6	57.9	77.7	86.2	93.5	104.8	110.1	115.3	119.1	124.1
Addenda:										
Final sales	47.2	61.8	78.8	86.1	94.1	104.1	108.2	111.8	114.9	119.0
Personal consumption expenditures, food	43.0	63.6	82.1	88.7	96.0	102.0	106.3	108.6	112.2	117.2
Personal consumption expenditures, energy	27.0	44.0	66.6	86.4	98.1	101.0	102.3	103.5	91.0	91.7
Other personal consumption expenditures	47.4	61.2	79.1	86.4	93.9	105.3	109.7	114.3	119.1	124.9

NA Not available.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982,* and *Survey of Current Business,* July issues.

No. 753. Producer Price Indexes, by Stage of Processing: 1950 to 1987

[1982=100. See text, section 15. See also *Historical Statistics, Colonial Times to 1970,* series E 73-86]

YEAR	Crude materials	Crude foodstuffs and feedstuffs	Crude energy materials	Intermediate goods	Finished goods	Finished consumer foods	Finished energy goods	Capital equipment
50	32.7	43.4	(NA)	25.3	28.2	32.7	(NA)	23.2
51	37.6	50.2	(NA)	28.4	30.8	36.7	(NA)	25.5
52	34.5	47.3	(NA)	27.5	30.6	36.4	(NA)	25.9
53	31.9	42.3	(NA)	27.7	30.3	34.5	(NA)	26.3
54	31.6	42.3	(NA)	27.9	30.4	34.2	(NA)	26.7
55	30.4	38.4	(NA)	28.4	30.5	33.4	(NA)	27.4
56	30.6	37.6	(NA)	29.6	31.3	33.3	(NA)	29.5
57	31.2	39.2	(NA)	30.3	32.5	34.4	(NA)	31.3
58	31.9	41.6	(NA)	30.4	33.2	36.5	(NA)	32.1
59	31.1	38.8	(NA)	30.8	33.1	34.8	(NA)	32.7
60	30.4	38.4	(NA)	30.8	33.4	35.5	(NA)	32.8
61	30.2	37.9	(NA)	30.6	33.4	35.4	(NA)	32.9
62	30.5	38.6	(NA)	30.6	33.5	35.7	(NA)	33.0
63	29.9	37.5	(NA)	30.7	33.4	35.3	(NA)	33.1
64	29.6	36.6	(NA)	30.8	33.5	35.4	(NA)	33.4
65	31.1	39.2	(NA)	31.2	34.1	36.8	(NA)	33.8
66	33.1	42.7	(NA)	32.0	35.2	39.2	(NA)	34.6
67	31.3	40.3	(NA)	32.2	35.6	38.5	(NA)	35.8
68	31.8	40.9	(NA)	33.0	36.6	40.0	(NA)	37.0
69	33.9	44.1	(NA)	34.1	38.0	42.4	(NA)	38.3
70	35.2	45.2	(NA)	35.4	39.3	43.8	(NA)	40.1
71	36.0	46.1	(NA)	36.8	40.5	44.5	(NA)	41.7
72	39.9	51.5	(NA)	38.2	41.8	46.9	(NA)	42.8
73	54.5	72.6	(NA)	42.4	45.6	56.5	(NA)	44.2
74	61.4	76.4	27.8	52.5	52.6	64.4	26.2	50.5
75	61.6	77.4	33.3	58.0	58.2	69.8	30.7	58.2
76	63.4	76.8	35.3	60.9	60.8	69.6	34.3	62.1
77	65.5	77.5	40.4	64.9	64.7	73.3	39.7	66.1
78	73.4	87.3	45.2	69.5	69.8	79.9	42.3	71.3
79	85.9	100.0	54.9	78.4	77.6	87.3	57.1	77.5
80	95.3	104.6	73.1	90.3	88.0	92.4	85.2	85.8
81	103.0	103.9	97.7	98.6	96.1	97.8	101.5	94.6
82	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
83	101.3	101.8	98.7	100.6	101.6	101.0	95.2	102.8
84	103.5	104.7	98.0	103.1	103.7	105.4	91.2	105.2
85	95.8	94.8	93.3	102.7	104.7	104.6	87.6	107.5
86	87.7	93.2	71.8	99.1	103.2	107.3	63.0	109.7
87	93.7	96.2	75.0	101.5	105.4	109.5	61.8	111.7

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Supplement to Producer Price Indexes,* 1987.

No. 754. Producer Price Indexes—Major Commodity Groups: 1950 to 1987

982=100. Prior to 1961, excludes Alaska and Hawaii. See text, section 15. See also *Historical Statistics, Colonial Times to 1970,* series E 23 and 24]

YEAR	All commodities	Farm products [1]	Industrial commodities	Energy [2]	Metals and metal products	YEAR	All commodities	Farm products [1]	Industrial commodities	Energy [2]	Metals and metal products
50	27.3	37.7	25.0	12.6	22.0	1969	35.6	43.4	33.9	14.6	36.0
51	30.4	43.0	27.6	13.0	24.5	1970	36.9	44.9	35.2	15.3	38.7
52	29.6	41.3	26.9	13.0	24.5	1971	38.1	45.8	36.5	16.6	39.4
53	29.2	36.6	27.2	13.4	25.3	1972	39.8	49.2	37.8	17.1	40.9
54	29.3	38.5	27.2	13.2	25.5	1973	45.0	63.9	40.3	19.4	44.0
55	29.3	36.6	27.8	13.2	27.2	1974	53.5	71.3	49.2	30.1	57.0
56	30.3	36.4	29.1	13.6	29.6	1975	58.4	74.0	54.9	35.4	61.5
57	31.2	37.7	29.9	14.3	30.2	1976	61.1	73.6	58.4	38.3	65.0
58	31.6	39.4	30.0	13.7	30.0	1977	64.9	75.9	62.5	43.6	69.3
59	31.7	37.6	30.5	13.7	30.6	1978	69.9	83.0	67.0	46.5	75.3
60	31.7	37.7	30.5	13.9	30.6	1979	78.7	92.3	75.7	58.9	86.0
61	31.6	37.7	30.4	14.0	30.5	1980	89.8	98.3	88.0	82.8	95.0
62	31.7	38.1	30.4	14.0	30.2	1981	98.0	101.1	97.4	100.2	99.6
63	31.6	37.7	30.3	13.9	30.3	1982	100.0	100.0	100.0	100.0	100.0
64	31.6	37.5	30.5	13.5	31.1	1983	101.3	102.0	101.1	95.9	101.8
65	32.3	39.0	30.9	13.6	32.0	1984	103.7	105.5	103.3	94.8	104.8
66	33.3	41.6	31.5	14.1	32.8	1985	103.2	100.7	103.7	91.4	104.4
67	33.4	40.2	32.0	14.4	33.2	1986	100.2	101.2	100.0	69.8	103.2
68	34.2	41.1	32.8	14.3	34.0	1987	102.8	103.7	102.6	70.2	107.1

Processed foods and feeds. [2] Fuels, related products, and power.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes,* monthly and annual.

No. 755. Producer Price Indexes, for Selected Commodities: 1970 to 1987

[1982=100. See text, section 15, and *Historical Statistics, Colonial Times to 1970*, series E 23-29]

COMMODITY GROUP	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
All commodities [1]	**38.1**	**58.4**	**78.7**	**89.8**	**98.0**	**100.0**	**101.3**	**103.7**	**103.2**	**100.2**	**102.8**
Farm products and processed foods and feeds [1]	**44.9**	**74.0**	**92.3**	**98.3**	**101.1**	**100.0**	**102.0**	**105.5**	**100.7**	**101.2**	**103.7**
Farm products [1]	**45.8**	**77.0**	**99.6**	**102.9**	**105.2**	**100.0**	**102.4**	**105.5**	**95.1**	**92.9**	**95.5**
Fresh and dried fruits, vegetables	44.0	72.4	90.3	94.1	105.4	100.0	103.3	109.6	102.7	103.9	106.8
Grains	46.8	106.2	101.8	113.3	117.8	100.0	114.0	113.7	96.1	79.3	71.1
Livestock	45.3	72.9	100.9	98.0	96.2	100.0	94.3	97.7	89.2	91.8	102.9
Live poultry	51.9	96.9	101.2	105.3	104.8	100.0	107.6	125.4	117.9	129.7	101.2
Plant and animal fibers	44.5	75.5	103.4	133.6	119.2	100.0	111.9	112.6	97.5	88.4	106.5
Fluid milk	40.8	63.8	88.5	96.0	101.7	100.0	99.8	98.5	93.7	91.0	91.9
Eggs	71.0	89.4	98.8	95.7	104.7	100.0	(NA)	117.9	95.7	99.6	87.6
Hay, hayseeds, and oilseeds	46.7	94.1	114.8	116.1	128.8	100.0	116.0	120.5	96.8	92.9	101.4
Processed foods and feeds [1]	**44.6**	**72.6**	**88.5**	**95.9**	**98.9**	**100.0**	**101.8**	**105.4**	**103.5**	**105.4**	**107.9**
Cereal and bakery products	42.4	70.1	82.9	93.0	100.7	100.0	102.8	106.6	110.3	111.0	112.6
Meats, poultry, and fish	45.0	74.2	93.9	94.4	95.6	100.0	96.7	98.8	95.9	100.2	104.9
Dairy products	44.7	62.6	84.9	92.7	98.7	100.0	100.7	101.1	100.2	99.9	101.6
Processed fruits and vegetables	40.3	61.9	80.9	83.3	93.2	100.0	101.1	107.3	108.0	104.9	108.6
Sugar and confectionery	42.9	94.3	79.6	119.6	102.3	100.0	106.6	111.7	107.9	109.7	112.7
Beverages and beverage materials	44.0	63.2	82.0	90.7	96.5	100.0	102.6	106.3	107.7	114.6	112.5
Animal fats and oils	46.3	112.8	105.8	92.1	98.7	100.0	101.0	128.4	106.9	84.1	86.1
Crude vegetable oils	75.8	130.4	152.7	127.1	116.2	100.0	121.7	164.3	137.6	84.8	84.2
Shortening and cooking oils	47.7	90.2	95.4	99.5	101.6	100.0	106.7	132.9	124.0	103.3	103.9
Miscellaneous processed foods	45.5	71.8	87.1	91.4	100.6	100.0	102.5	111.8	114.1	116.2	119.6
Prepared animal feeds	49.1	81.5	103.8	107.3	109.0	100.0	108.3	104.4	90.1	94.6	98.5
Industrial commodities [1]	**35.2**	**54.9**	**75.7**	**88.0**	**97.4**	**100.0**	**101.1**	**103.3**	**103.7**	**100.0**	**102.6**
Textile products and apparel [1]	**52.4**	**67.4**	**82.5**	**89.7**	**97.6**	**100.0**	**100.3**	**102.7**	**102.9**	**103.2**	**105.1**
Synthetic fibers	(NA)	(NA)	73.4	83.1	96.5	100.0	96.7	98.5	95.5	92.5	91.8
Processed yarns, threads	(NA)	(NA)	78.9	88.6	99.8	100.0	100.1	103.2	102.1	101.7	103.8
Gray fabrics	(NA)	(NA)	87.5	95.0	101.0	100.0	101.2	105.8	104.4	103.7	107.2
Finished fabrics	(NA)	(NA)	86.2	92.9	100.5	100.0	98.9	101.7	101.4	101.4	104.2
Apparel	57.0	68.6	82.5	88.7	95.7	100.0	101.6	103.6	105.0	106.3	108.4
Textile housefurnishings	43.4	63.7	79.8	86.8	95.1	100.0	98.6	100.2	100.6	101.1	101.4
Hides, skins, leather, related products [1]	**42.0**	**56.5**	**96.1**	**94.7**	**99.3**	**100.0**	**103.2**	**109.0**	**108.9**	**113.0**	**120.4**
Cattle hides	32.3	51.8	169.3	104.6	104.5	100.0	109.8	143.8	126.1	147.7	179.9
Leather	34.6	48.7	114.6	99.8	102.7	100.0	106.2	119.6	113.4	122.9	140.9
Footwear	46.2	60.3	89.0	95.2	98.3	100.0	102.1	102.7	104.8	106.9	109.4
Fuels, related products, power [1]	**15.3**	**35.4**	**58.9**	**82.8**	**100.2**	**100.0**	**95.9**	**94.8**	**91.4**	**69.8**	**70.2**
Coal	28.1	72.2	84.3	87.4	93.0	100.0	100.5	102.2	102.2	100.8	97.1
Coke oven products	27.6	21.7	93.0	93.3	98.8	100.0	96.3	94.5	93.2	88.0	82.8
Gas fuels	9.8	20.4	51.3	71.7	88.6	100.0	108.1	104.5	98.7	83.2	74.1
Electric power	26.1	47.6	66.5	79.1	90.3	100.0	102.8	108.2	111.6	112.6	110.6
Crude petroleum, domestic	14.5	33.5	51.3	75.9	109.6	100.0	92.9	91.3	84.5	46.9	55.5
Petroleum products, refined	13.3	33.8	58.4	88.6	105.9	100.0	89.9	87.4	83.2	53.2	56.8
Chemicals and allied products [1]	**35.0**	**62.0**	**76.0**	**89.0**	**98.4**	**100.0**	**100.3**	**102.9**	**103.7**	**102.6**	**106.4**
Industrial chemicals	28.6	58.7	74.9	91.9	103.1	100.0	97.3	96.8	96.0	91.5	95.5
Prepared paint	42.8	63.5	77.8	89.5	95.1	100.0	100.7	103.7	105.3	107.0	108.1
Paint materials	33.3	58.2	79.2	89.9	98.5	100.0	100.4	106.2	109.5	104.4	107.3
Drugs and pharmaceuticals	48.2	60.3	75.9	83.0	92.1	100.0	107.6	114.2	122.0	130.1	139.1
Fats and oils, inedible	49.7	95.5	141.0	111.6	110.7	100.0	106.9	139.1	110.6	80.1	92.7
Agricultural chemicals and products	30.3	69.6	73.3	87.9	97.4	100.0	95.9	97.4	96.2	94.2	96.4
Plastic resins and materials	32.0	63.8	83.2	98.5	102.0	100.0	102.8	108.9	107.5	104.4	110.3
Rubber and plastic products [1]	**44.9**	**62.2**	**80.5**	**90.1**	**96.4**	**100.0**	**100.8**	**102.3**	**101.9**	**101.9**	**103.0**
Crude rubber	36.4	32.2	79.4	94.8	101.1	100.0	100.7	99.3	97.0	91.2	97.7
Tires and tubes	42.7	58.2	80.7	92.8	98.2	100.0	96.1	94.9	93.0	91.7	91.0
Miscellaneous rubber products	40.9	56.3	74.6	81.9	90.8	100.0	102.9	105.0	106.3	106.4	108.9
Plastic construction products	65.5	83.5	99.4	103.9	104.3	100.0	110.1	115.5	108.6	106.4	108.4
Laminated plastic sheets	(NA)	66.9	85.3	93.3	101.4	100.0	96.3	100.4	101.1	101.2	101.7
Lumber and wood products [1]	**39.9**	**62.1**	**105.5**	**101.5**	**102.8**	**100.0**	**107.9**	**108.0**	**106.6**	**107.2**	**112.8**
Lumber	56.6	61.9	114.0	104.9	104.6	100.0	113.5	112.5	109.6	110.5	118.2
Millwork	41.5	57.4	91.0	93.2	97.8	100.0	108.2	110.2	111.7	113.7	117.7
Plywood	46.7	69.4	107.9	106.2	105.9	100.0	105.2	104.1	99.6	101.4	102.6
Other wood products	49.7	68.5	99.7	101.2	101.2	100.0	97.6	99.3	100.1	100.9	103.7
Pulp, paper, and allied products [1]	**37.5**	**59.0**	**75.9**	**86.3**	**94.8**	**100.0**	**103.3**	**110.3**	**113.3**	**116.1**	**121.8**
Pulp, paper, and products, except building paper and board	39.7	62.9	80.6	91.7	99.1	100.0	99.3	107.3	106.9	107.6	114.3
Woodpulp	28.9	74.8	82.9	100.3	104.6	100.0	91.5	104.8	91.4	94.7	111.5
Wastepaper	103.2	90.9	170.5	172.2	145.0	100.0	(NA)	108.2	122.9	142.6	181.4
Paper	38.8	60.4	80.2	89.7	97.7	100.0	98.5	105.8	106.0	107.0	111.5
Paperboard	39.7	66.8	79.3	92.0	101.2	100.0	98.4	110.4	107.7	106.6	118.1
Converted paper and paperboard products	40.8	61.2	79.4	90.2	97.9	100.0	100.4	106.4	108.9	109.4	114.7
Building paper and board	42.2	53.1	76.2	86.1	96.7	100.0	104.4	108.2	107.4	108.8	111.2

See footnotes at end of table.

No. 755. Producer Price Indexes, for Selected Commodities: 1970 to 1987—Continued

[1982=100. See headnote, p. 466]

COMMODITY GROUP	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Metals and metal products [1]	**38.7**	**61.5**	**86.0**	**95.0**	**99.6**	**100.0**	**101.8**	**104.8**	**104.4**	**103.2**	**107.1**
Iron and steel	34.0	59.3	83.6	90.0	98.5	100.0	101.3	105.3	104.8	101.1	104.6
Steel mill products	32.7	56.4	80.2	86.6	96.6	100.0	100.9	104.7	104.7	99.8	102.3
Nonferrous metals	47.3	65.1	99.3	115.7	108.4	100.0	104.7	105.1	99.6	98.5	108.8
Metal containers	34.3	58.5	81.9	90.9	96.1	100.0	102.1	106.5	109.0	110.2	109.5
Hardware	39.8	58.2	78.0	85.8	95.9	100.0	103.7	105.9	109.1	109.5	109.6
Plumbing fixtures, brass fittings	39.9	58.2	77.9	88.5	96.0	100.0	103.8	108.6	111.9	115.5	119.7
Heating equipment	46.6	63.5	78.9	87.0	94.5	100.0	102.7	106.6	109.5	113.0	115.5
Fabricated structural metal products	36.7	62.0	81.6	88.8	96.9	100.0	99.6	101.9	103.2	103.6	105.4
Miscellaneous metal products	40.5	64.1	81.9	88.5	95.8	100.0	100.5	104.6	107.1	107.0	107.8
Machinery and equipment [1]	**40.0**	**57.9**	**76.7**	**86.0**	**94.4**	**100.0**	**102.7**	**105.1**	**107.2**	**108.8**	**110.4**
Agricultural	36.4	54.2	74.6	83.3	92.7	100.0	104.9	108.0	108.7	109.2	109.6
Construction	33.7	53.8	74.5	84.2	93.3	100.0	102.3	103.8	105.4	106.7	108.9
Metalworking	35.6	53.5	75.2	85.5	93.9	100.0	101.7	104.1	106.6	108.4	110.1
General purpose	37.4	56.7	77.8	87.0	95.0	100.0	101.4	103.3	105.7	107.2	108.3
Special industry	35.6	53.8	76.0	84.8	94.7	100.0	103.7	107.3	110.8	114.2	117.3
Electrical	45.9	60.7	77.2	87.1	95.1	100.0	103.7	107.4	109.6	111.2	112.6
Miscellaneous	42.0	60.5	77.8	85.7	94.1	100.0	102.1	102.2	103.3	104.2	105.7
Furniture and household durables [1]	**51.9**	**67.5**	**82.8**	**90.7**	**95.9**	**100.0**	**103.4**	**105.7**	**107.1**	**108.2**	**109.9**
Household furniture	48.6	63.6	81.0	89.1	95.4	100.0	102.1	105.3	108.5	110.3	113.0
Commercial furniture	41.6	60.5	80.5	85.7	93.5	100.0	103.9	107.8	111.9	115.3	118.6
Floor coverings	54.9	69.0	81.7	90.0	98.7	100.0	102.4	105.6	105.6	108.3	110.7
Household appliances	52.9	66.5	80.8	87.5	94.1	100.0	103.9	106.0	106.7	105.7	105.6
Home electronic equipment	106.0	106.2	103.7	103.8	101.3	100.0	97.8	95.2	90.8	89.9	88.8
Nonmetallic mineral products [1]	**35.3**	**54.4**	**77.8**	**88.4**	**96.7**	**100.0**	**101.6**	**105.4**	**108.6**	**110.0**	**110.0**
Flat glass	52.2	62.8	83.0	88.7	96.0	100.0	103.7	101.4	101.7	104.5	107.2
Concrete ingredients	36.3	55.6	78.7	88.4	95.6	100.0	101.1	105.1	108.5	109.4	110.4
Concrete products	37.7	57.3	82.0	92.0	97.8	100.0	101.4	103.9	107.5	109.2	109.4
Clay construction products, exc. refractories	42.1	58.0	83.6	88.8	95.8	100.0	106.5	110.0	113.5	118.0	121.4
Refractories	35.9	49.2	70.2	78.5	89.7	100.0	101.2	107.1	109.7	110.2	110.5
Asphalt felts and coatings	25.8	56.7	81.7	99.6	102.3	100.0	96.4	100.3	102.6	97.9	92.4
Gypsum products	38.9	56.2	98.5	100.1	100.1	100.0	111.7	135.4	132.3	137.0	125.2
Glass containers	33.9	50.5	73.4	82.3	92.5	100.0	99.1	101.4	106.5	111.9	113.0
Transportation equipment [1]	**41.9**	**56.7**	**75.3**	**82.9**	**94.3**	**100.0**	**102.8**	**105.2**	**107.9**	**110.5**	**112.5**
Motor vehicles and equipment	43.3	57.6	75.8	83.1	94.6	100.0	102.2	104.1	106.4	109.1	111.7
Motor vehicles	47.2	60.6	80.0	87.1	95.4	100.0	102.4	104.7	107.8	111.4	113.8
Railroad equipment	33.2	58.1	80.0	90.4	97.0	100.0	101.1	102.6	104.9	105.4	104.7
Miscellaneous products [1]	**39.8**	**53.4**	**75.5**	**93.6**	**96.1**	**100.0**	**104.8**	**107.0**	**109.4**	**111.6**	**114.9**
Toys, sporting goods, small arms, etc	49.5	69.5	79.6	89.7	95.7	100.0	101.7	102.6	104.5	106.6	107.8
Tobacco products	35.2	46.3	67.4	76.0	83.1	100.0	113.1	123.3	132.5	142.5	154.7
Notions	39.1	54.5	69.3	78.4	93.8	100.0	101.1	102.3	102.9	103.7	105.2
Photographic equipment and supplies	49.9	62.1	73.0	96.4	99.8	100.0	102.5	102.0	102.6	104.0	105.4

NA Not available. [1] Includes other product groups, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

No. 756. Producer Price Indexes—Average Annual Percent Change in Selected Major Commodity Groups: 1970 to 1987

[Minus sign (–) indicates decrease]

COMMODITY GROUP	1970–75	1975–80	1980–81	1981–82	1982–83	1983–84	1984–85	1985–86	1986–87
All commodities	**8.9**	**9.0**	**9.1**	**2.0**	**1.3**	**2.4**	**–.5**	**2.9**	**2.6**
Farm products	11.0	6.0	2.2	–4.9	2.4	3.0	–9.9	–2.3	2.8
Processed foods, feeds	10.2	5.7	3.1	1.1	1.8	3.5	–1.8	1.8	2.4
Textile products, apparel	5.2	5.9	8.8	2.5	.3	2.4	.2	.3	1.8
Hides, skins, leather, related products	6.1	10.9	4.9	.7	3.2	5.6	–.1	3.8	6.5
Fuels, related products, power	18.3	18.5	21.0	–.2	–4.1	–1.1	–3.6	–23.6	.6
Chemicals and allied products	12.1	7.5	10.6	1.6	.3	2.6	.8	–1.1	3.7
Rubber and plastic products	6.7	7.7	7.0	3.7	.8	1.5	–.4	-	1.1
Lumber and wood products	9.3	10.3	1.3	–2.7	7.9	.1	–1.3	.6	5.2
Pulp, paper, and allied products	9.5	7.9	9.8	5.5	3.3	6.8	2.7	2.5	4.9
Metals and metal products	9.7	9.1	4.8	.4	1.8	2.9	–.4	–1.1	3.8
Machinery and equipment	7.7	8.2	9.8	5.9	2.7	2.3	2.0	1.5	1.5
Furniture and household durables	5.4	6.1	5.7	4.3	3.4	2.2	1.3	1.0	1.6
Nonmetallic mineral products	9.0	10.2	9.4	3.4	1.6	3.7	3.0	1.3	-
Transportation equipment	6.2	7.9	13.8	6.0	2.8	2.3	2.6	2.4	1.8

- Represents zero.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

NO. 757. PRODUCER PRICE INDEXES FOR THE NET OUTPUT OF SELECTED INDUSTRIES: 1960 TO 1987

[Indexes are based on selling prices reported by establishments of all sizes selected by probability sampling. See text, section 27]

SIC code [1]	ITEM	Unit	1980	1983	1984	1985	1986	1987
2022	Natural and processed cheese	June 1981=100	94.6	101.5	101.5	98.6	96.6	97.5
2024	Ice cream and frozen desserts	June 1983=100	89.0	100.3	103.2	104.3	105.5	108.5
2083	Malt and malt byproducts	June 1985=100	114.4	107.1	110.0	100.9	96.0	88.6
2085	Distilled liquor, except brandy	June 1983=100	85.6	99.3	100.2	101.5	104.4	105.9
2092	Fresh or frozen packaged fish	Dec. 1982=100	78.8	102.4	102.7	101.4	110.2	120.6
2095	Coffee	June 1981=100	112.9	104.4	110.4	111.5	141.2	118.1
2111	Cigarettes	Dec. 1982=100	62.5	93.5	102.3	110.7	120.9	133.4
2121	Cigars	Dec. 1982=100	88.2	99.8	104.4	110.3	111.5	116.0
2311	Men's and boys' suits and coats	Dec. 1980=100	98.4	113.2	116.8	119.9	121.6	125.2
2323	Men's and boys' neckwear	Dec. 1983=100	91.2	99.0	103.2	103.8	105.1	107.3
2327	Men's and boys' separate trousers	Dec. 1981=100	93.7	103.3	104.6	103.7	106.8	109.2
2335	Women's, misses', and juniors' dresses	Dec. 1980=100	98.6	107.3	107.2	108.0	110.1	113.0
2342	Brassieres and allied garments	June 1982=100	85.4	104.2	109.0	114.2	117.1	119.6
2436	Softwood plywood	Dec. 1980=100	91.4	94.3	91.6	90.0	91.5	93.8
2451	Mobile homes	June 1981=100	96.3	105.3	105.2	106.1	107.1	108.7
2492	Particleboard	Dec. 1982=100	91.6	106.1	116.3	110.0	111.8	120.3
2512	Upholstered wood household furniture	June 1982=100	89.7	102.3	104.2	107.9	109.3	111.6
2521	Wood office furniture	June 1985=100	77.6	92.7	95.8	100.1	103.1	105.8
2647	Sanitary paper products	June 1983=100	91.4	100.7	102.4	105.5	106.3	107.5
2711	Newspaper publishing	Dec. 1979=100	106.8	143.8	153.8	164.0	172.3	181.6
2721	Periodical publishing	Dec. 1979=100	105.5	137.9	147.6	157.9	167.0	173.8
2892	Explosives	Dec. 1980=100	95.4	116.3	118.9	121.6	126.2	131.7
2911	Petroleum refining	June 1985=100	104.6	106.8	102.7	98.3	64.0	67.9
3011	Tires and inner tubes	June 1981=100	93.9	98.9	98.2	96.8	95.6	95.1
3021	Rubber and plastic footwear	Dec. 1980=100	97.6	101.5	103.7	99.9	108.6	111.7
3143	Men's footwear	Dec. 1980=100	98.4	108.3	109.9	111.9	115.0	119.2
3144	Women's footwear	Dec. 1980=100	98.3	103.6	102.9	104.3	104.7	108.4
3251	Brick and structural clay tile	Dec. 1984=100	79.6	95.4	99.0	101.4	105.1	108.1
3253	Ceramic wall and floor tile	June 1985=100	74.8	89.2	92.3	97.3	101.7	104.7
3271	Concrete block and brick	June 1981=100	94.9	103.3	107.3	112.6	117.2	119.7
3272	Concrete products	Dec. 1979=100	104.8	115.9	117.4	121.4	123.3	123.8
3273	Ready-mixed concrete	June 1981=100	92.7	102.3	105.1	108.6	109.5	109.2
3274	Lime	Dec. 1985=100	86.2	101.5	99.9	101.1	100.5	101.9
3275	Gypsum products	June 1981=100	98.4	108.3	130.3	127.1	130.9	120.6
3334	Primary aluminum	June 1980=100	102.6	110.6	113.2	107.1	107.1	118.1
3425	Hand saws and saw blades	June 1983=100	80.5	100.0	101.5	104.0	106.1	109.4
3431	Metal sanitary ware	Dec. 1980=100	97.8	112.1	118.0	122.4	122.7	123.4
3442	Metal doors, sash and trim	June 1983=100	86.0	100.6	104.3	104.8	106.7	109.4
3482	Small arms ammunition, 30mm and under	June 1985=100	73.2	90.8	95.7	101.8	104.1	100.9
3523	Farm machinery and equipment	Dec. 1982=100	80.8	101.6	104.8	105.3	105.6	108.0
3531	Construction machinery	Dec. 1980=100	95.7	114.4	116.7	119.5	120.8	122.6
3534	Elevators and moving stairways	June 1981=100	95.3	108.1	108.5	109.4	110.8	111.8
3541	Machine tools, metal cutting types	June 1983=100	83.1	99.9	102.3	105.0	107.3	109.8
3542	Metal forming machine tools	June 1981=100	91.4	110.5	112.8	115.2	117.1	118.5
3552	Textile machinery	Dec. 1980=100	95.8	118.8	123.5	127.0	132.0	135.8
3553	Woodworking machinery	Dec. 1980=100	95.9	104.8	104.2	106.8	110.4	112.9
3585	Refrigeration and heating equipment	Dec. 1982=100	88.3	101.4	102.8	104.7	105.9	106.7
3612	Transformers	June 1981=100	88.2	108.7	109.5	111.5	111.7	113.5
3621	Electric motors and generators	June 1983=100	82.3	101.5	104.8	108.2	109.1	110.8
3635	Household vacuum cleaners	Dec. 1982=100	94.1	101.9	104.2	106.8	107.1	108.0
3636	Sewing machines	Dec. 1983=100	82.4	99.6	100.5	101.2	104.6	108.7
3671	Electron tubes, all types	Dec. 1985=100	44.3	76.6	87.4	96.5	100.2	99.9
3674	Semiconductors and related devices	June 1981=100	100.5	100.6	107.4	106.6	108.1	108.2
3675	Electronic capacitors	June 1981=100	95.0	95.5	94.3	93.8	91.7	91.8
3676	Resistors for electronic applications	Dec. 1980=100	97.3	107.7	108.6	114.0	116.6	118.4
3678	Connectors for electronic applications	Dec. 1980=100	98.9	109.0	114.2	118.2	122.3	124.7
3691	Storage batteries	Dec. 1984=100	109.2	101.3	99.3	98.7	99.5	106.6
3711	Motor vehicles and passenger car bodies	June 1982=100	86.0	102.1	104.6	107.2	111.0	113.0
3822	Environmental controls	Dec. 1979=100	108.6	133.4	134.9	139.5	143.9	146.3
3911	Jewelry, precious metal	Dec. 1985=100	122.1	107.9	102.7	100.4	103.0	110.5
3931	Musical instruments	June 1985=100	88.3	101.5	103.4	101.5	103.5	106.4
3942	Dolls	Dec. 1985=100	94.4	101.9	99.7	100.0	100.4	98.4
3995	Burial caskets	Dec. 1984=100	82.8	96.8	99.8	102.0	104.8	106.0
3996	Hard surface floor coverings	Dec. 1985=100	81.8	92.0	95.4	99.0	101.7	104.2

[1] Standard Industrial Classification code.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly.

NO. 758. CONSUMER PRICE INDEXES, BY MAJOR GROUPS: 1960 TO 1987

[1982-84=100. Represents annual averages of monthly figures. Reflects buying patterns of all urban consumers. See text. See *Historical Statistics, Colonial Times to 1970*, series E 135–173 for similar data]

YEAR	All items	Energy	Food	Shelter	Apparel and upkeep	Transportation	Medical care	Fuel oil	Electricity	Utility (piped) gas	Telephone services	All commodities
1960	29.6	22.4	30.0	25.2	45.7	29.8	22.3	13.5	29.9	17.6	58.3	33.6
1961	29.9	22.5	30.4	25.4	46.1	30.1	22.9	14.0	29.9	17.9	58.5	33.8
1962	30.2	22.6	30.6	25.8	46.3	30.8	23.5	14.0	29.9	17.9	58.5	34.1
1963	30.6	22.6	31.1	26.1	46.9	30.9	24.1	14.3	29.9	17.9	58.6	34.4
1964	31.0	22.5	31.5	26.5	47.3	31.4	24.6	14.0	29.8	17.9	58.6	34.8
1965	31.5	22.9	32.2	27.0	47.8	31.9	25.2	14.3	29.7	18.0	57.7	35.2
1966	32.4	23.3	33.8	27.8	49.0	32.3	26.3	14.7	29.7	18.1	56.5	36.1
1967	33.4	23.8	34.1	28.8	51.0	33.3	28.2	15.1	29.9	18.1	57.3	36.8
1968	34.8	24.2	35.3	30.1	53.7	34.3	29.9	15.6	30.2	18.2	57.3	38.1
1969	36.7	24.8	37.1	32.6	56.8	35.7	31.9	15.9	30.8	18.6	58.0	39.9
1970	38.8	25.5	39.2	35.5	59.2	37.5	34.0	16.5	31.8	19.6	58.7	41.7
1971	40.5	26.5	40.4	37.0	61.1	39.5	36.1	17.6	33.9	21.0	61.6	43.2
1972	41.8	27.2	42.1	38.7	62.3	39.9	37.3	17.6	35.6	22.1	65.0	44.5
1973	44.4	29.4	48.2	40.5	64.6	41.2	38.8	20.4	37.4	23.1	66.7	47.8
1974	49.3	38.1	55.1	44.4	69.4	45.8	42.4	32.2	44.1	26.0	69.5	53.5
1975	53.8	42.1	59.8	48.8	72.5	50.1	47.5	34.9	50.0	31.1	71.7	58.2
1976	56.9	45.1	61.6	51.5	75.2	55.1	52.0	37.4	53.1	36.3	74.3	60.7
1977	60.6	49.4	65.5	54.9	78.6	59.0	57.0	42.4	56.6	43.2	75.2	64.2
1978	65.2	52.5	72.0	60.5	81.4	61.7	61.8	44.9	60.9	47.5	76.0	68.8
1979	72.6	65.7	79.9	68.9	84.9	70.5	67.5	63.1	65.6	55.1	75.8	76.6
1980	82.4	86.0	86.8	81.0	90.9	83.1	74.9	87.7	75.8	65.7	77.7	86.0
1981	90.9	97.7	93.6	90.5	95.3	93.2	82.9	107.3	87.2	74.9	84.6	93.2
1982	96.5	99.2	97.4	96.9	97.8	97.0	92.5	105.0	95.8	89.8	93.2	97.0
1983	99.6	99.9	99.4	99.1	100.2	99.3	100.6	96.5	98.9	104.7	99.2	99.8
1984	103.9	100.9	103.2	104.0	102.1	103.7	106.8	98.5	105.3	105.5	107.5	103.2
1985	107.6	101.6	105.6	109.8	105.0	106.4	113.5	94.6	108.9	104.8	111.7	105.4
1986	109.6	88.2	109.0	115.8	105.9	102.3	122.0	74.1	110.4	99.7	117.2	104.4
1987	113.6	88.6	113.5	121.3	110.6	105.4	130.1	75.8	110.0	95.1	116.5	107.7

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *Handbook of Labor Statistics*, periodic.

NO. 759. CONSUMER PRICE INDEXES—ANNUAI PERCENT CHANGE IN MAJOR GROUPS: 1975 TO 1987

[See headnote, table 758. See also table 760 for base data. Minus sign (−) indicates decrease]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All items	**9.1**	**5.8**	**6.5**	**7.6**	**11.3**	**13.5**	**10.3**	**6.2**	**3.2**	**4.3**	**3.6**	**1.9**	**3.6**
Food	8.5	3.0	6.3	9.9	11.0	8.6	7.8	4.1	2.1	3.8	2.3	3.2	4.1
Housing	10.7	6.1	6.7	8.7	12.3	15.7	11.5	7.2	2.7	4.1	4.0	3.0	3.0
Shelter	9.9	5.5	6.6	10.2	13.9	17.6	11.7	7.1	2.3	4.9	5.6	5.5	4.7
Household fuels and other utilities	11.5	8.8	10.7	6.9	10.8	16.4	14.6	9.8	5.6	4.6	1.6	−2.3	−1.1
Household fuels	14.5	9.9	13.2	8.2	15.7	22.0	16.6	9.6	5.1	3.5	.5	−5.1	−1.9
Household furnishings and operations	11.6	6.2	4.6	6.1	7.0	8.0	7.8	5.4	2.2	1.7	1.9	1.3	1.8
House furnishings	9.4	4.0	3.3	4.5	5.7	6.8	6.3	4.7	1.9	.8	.5	.5	1.4
Appliances and electronic equipment	7.9	4.2	2.2	3.6	4.0	3.4	4.1	3.3	.2	−1.9	−3.6	−2.5	−1.5
Apparel and upkeep	4.5	3.7	4.5	3.6	4.3	7.1	4.8	2.6	2.5	1.9	2.8	.9	4.4
Transportation	9.4	10.0	7.1	4.6	14.3	17.9	12.2	4.1	2.4	4.4	2.6	−3.9	3.0
Private transportation	9.5	9.9	7.4	4.7	14.7	17.4	11.4	3.5	2.3	4.3	2.5	−4.7	3.0
Medical care	12.0	9.5	9.6	8.4	9.2	11.0	10.7	11.6	8.8	6.2	6.3	7.5	6.6
Medical care services	12.6	10.1	9.9	8.5	9.8	11.3	10.7	11.8	8.7	6.0	6.1	7.7	6.6
Entertainment	9.0	5.0	4.9	5.3	6.7	9.0	7.8	6.5	4.3	3.7	3.9	3.4	3.3
Entertainment commodities	10.8	5.5	5.2	5.3	6.5	10.0	8.2	6.1	3.3	2.6	2.9	2.0	2.4
Personal care	9.7	6.6	6.5	6.4	7.6	8.9	8.8	7.1	5.1	4.0	3.8	3.3	2.9
Personal and educational expenses	7.3	6.6	6.4	7.6	7.9	10.6	12.4	13.3	10.7	9.7	8.6	8.0	7.7
uel oil and other household fuel commodities	9.6	6.6	13.1	5.2	35.1	38.0	21.5	−1.1	−6.0	2.3	−3.5	−19.1	.4
as (piped) and electricity	16.2	11.5	13.0	8.9	10.9	17.0	14.7	13.8	8.9	3.8	1.6	−1.3	−1.8
l commodities	8.8	4.3	5.8	7.2	11.3	12.3	8.4	4.1	2.9	3.4	2.1	−.9	3.2

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review.*

No. 760. Consumer Price Indexes for Selected Items and Groups: 1970 to 1987

[1982-84 = 100. Annual averages of monthly figures. See headnote, table 758]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
All items	**38.8**	**53.8**	**72.6**	**82.4**	**90.9**	**96.5**	**99.6**	**103.9**	**107.6**	**109.6**	**113.6**
Food and beverages	40.1	60.2	79.9	86.7	93.5	97.3	99.5	103.2	105.6	109.1	113.5
Food	39.2	59.8	79.9	86.8	93.6	97.4	99.4	103.2	105.6	109.0	113.5
Food at home	39.9	61.8	81.8	88.4	94.8	98.1	99.1	102.8	104.3	107.3	111.9
Cereals and bakery products	37.1	62.9	74.9	83.9	92.3	96.5	99.6	103.9	107.9	110.9	114.8
Meats, poultry, fish and eggs	44.6	67.0	89.0	92.0	96.0	99.6	99.2	101.3	100.1	104.5	110.5
Fish and seafood	31.3	53.9	80.1	87.5	94.8	98.2	99.3	102.5	107.5	117.4	129.9
Eggs	65.6	82.4	90.2	88.6	95.9	93.3	97.7	109.1	91.0	97.2	91.5
Dairy products	44.7	62.6	82.8	90.9	97.4	98.8	100.0	101.3	103.2	103.3	105.9
Fruits and vegetables	37.8	56.9	76.6	82.1	92.0	97.0	97.3	105.7	108.4	109.4	119.1
Apples	37.1	56.4	79.1	92.1	84.3	98.8	94.6	106.6	113.1	130.6	131.0
Coffee	31.7	46.4	101.8	111.6	96.2	98.5	98.8	102.7	105.5	132.7	116.2
Alcoholic beverages	52.1	65.9	79.9	86.4	92.5	96.7	100.4	103.0	106.4	111.1	114.1
Alcoholic beverages at home	(NA)	(NA)	80.6	87.3	93.1	97.0	100.6	102.4	105.2	109.3	111.5
Beer and ale at home	49.2	63.4	76.9	84.8	90.9	95.2	100.7	104.2	106.7	108.7	110.9
Distilled spirits at home	(NA)	(NA)	85.1	89.8	94.9	98.2	100.4	101.4	105.3	113.3	114.4
Wine at home	49.7	65.5	82.4	89.5	96.2	100.4	100.5	99.1	100.2	102.4	105.7
Alcoholic beverages away from home	(NA)	(NA)	77.2	82.9	90.1	95.2	99.8	105.1	111.1	118.5	123.4
Lunch away from home	(NA)	(NA)	76.4	83.8	91.4	96.2	100.0	103.8	107.8	112.0	116.6
Dinner away from home	(NA)	(NA)	76.6	84.2	91.4	95.9	99.7	104.4	108.8	112.7	117.0
Housing	36.4	50.7	70.1	81.1	90.4	96.9	99.5	103.6	107.7	110.9	114.2
Shelter	35.5	48.8	68.9	81.0	90.5	96.9	99.1	104.0	109.8	115.8	121.3
Renters' cost	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	103.0	108.6	115.4	121.9	128.1
Tenants' insurance	(NA)	(NA)	71.1	78.9	86.6	94.4	100.7	104.8	109.4	115.8	120.4
Homeowners' costs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	102.5	107.3	113.1	119.4	124.8
Owners' equivalent rent	(NA)	(NA)	-	-	-	-	102.5	107.3	113.2	119.4	124.8
Household insurance	(NA)	(NA)	-	-	-	-	103.2	107.5	112.4	119.2	124.0
Maintenance and repair	35.8	54.1	74.0	82.4	90.7	96.4	99.9	103.7	106.5	107.9	111.8
Maintenance and repair services	33.1	51.3	71.7	80.0	88.5	94.6	99.7	105.7	108.7	111.2	114.8
Household fuels and other utilities	29.1	45.4	64.8	75.4	86.4	94.9	100.2	104.8	106.5	104.1	103.0
Household fuels	23.1	39.4	61.3	74.8	87.2	95.6	100.5	104.0	104.5	99.2	97.3
Fuel oil and other household fuel commodities	17.0	36.4	62.4	86.1	104.6	103.4	97.2	99.4	95.9	77.6	77.9
Fuel oil	16.5	34.9	63.1	87.7	107.3	105.0	96.5	98.5	94.6	74.1	75.8
Gas (piped) and electricity	25.4	40.1	61.0	71.4	81.9	93.2	101.5	105.4	107.1	105.7	103.8
Electricity	31.8	50.0	65.6	75.8	87.2	95.8	98.9	105.3	108.9	110.4	110.0
Utility (piped) gas	19.6	31.1	55.1	65.7	74.9	89.8	104.7	105.5	104.8	99.7	95.1
Telephone services	58.7	71.7	75.8	77.7	84.6	93.2	99.2	107.5	111.7	117.2	116.5
Household furnishings and operations	46.8	63.4	79.9	86.3	93.0	98.0	100.2	101.9	103.8	105.2	107.1
Housefurnishings	55.5	69.8	82.9	88.5	94.1	98.5	100.4	101.2	101.7	102.2	103.6
Appliances and electronic equipment	69.3	78.8	90.4	93.5	97.3	100.5	100.7	98.8	95.2	92.8	91.4
TV and sound equipment	(NA)	(NA)	98.9	100.7	102.9	102.9	100.4	96.7	91.9	88.0	86.0
Apparel and upkeep	59.2	72.5	84.9	90.9	95.3	97.8	100.2	102.1	105.0	105.9	110.6
Apparel commodities	63.3	76.7	87.5	92.9	96.5	98.3	100.2	101.5	104.0	104.2	108.9
Apparel commodities less footwear	64.5	78.0	87.9	93.0	96.5	98.1	100.2	101.6	104.3	104.7	109.6
Men's and boy's apparel	62.2	75.5	85.4	89.4	94.2	97.6	100.3	102.1	105.0	106.2	109.1
Women's and girl's apparel	71.8	85.5	94.0	96.0	97.5	98.5	100.2	101.3	104.9	104.0	110.4
Transportation	37.5	50.1	70.5	83.1	93.2	97.0	99.3	103.7	106.4	102.3	105.4
Private transportation	37.5	50.6	71.7	84.2	93.8	97.1	99.3	103.6	106.2	101.2	104.2
Automobile maintenance and repair	36.6	53.7	73.7	81.5	89.2	96.0	100.3	103.8	106.8	110.3	114.8
Automobile insurance	42.0	48.4	75.8	82.0	85.9	91.4	100.4	108.2	119.2	135.0	146.2
Automobile finance charges	(NA)	(NA)	68.7	86.4	103.2	110.0	92.9	97.1	94.5	86.0	84.9
Vehicle rental, registration, other	(NA)	(NA)	74.1	78.3	82.4	93.6	100.2	106.3	111.7	117.2	123.0
Airline fare	28.3	38.0	49.2	68.0	85.6	94.4	99.8	105.8	112.5	117.1	122.8
Medical care	34.0	47.5	67.5	74.9	82.9	92.5	100.6	106.8	113.5	122.0	130.1
Prescription drugs	47.4	51.2	66.4	72.5	80.8	90.2	100.1	109.7	120.1	130.4	140.8
Nonprescription drugs, medical supplies	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	103.1
Medical care services	32.3	46.6	67.2	74.8	82.8	92.6	100.7	106.7	113.2	121.9	130.0
Professional medical services	37.0	50.8	70.1	77.9	85.9	93.2	99.8	107.0	113.5	120.8	128.8
Hospital and related services	(NA)	(NA)	61.0	69.2	79.1	90.3	100.5	109.2	116.1	123.1	131.6
Entertainment	47.5	62.0	76.7	83.6	90.1	96.0	100.1	103.8	107.9	111.6	115.3
Entertainment commodities	46.1	61.7	76.8	84.5	91.4	97.0	100.2	102.8	105.8	107.9	110.5
Reading materials	(NA)	(NA)	70.0	77.7	85.9	94.3	101.2	104.5	110.7	115.6	119.5
Sporting goods, equipment	(NA)	(NA)	81.0	88.5	94.4	98.2	99.4	102.4	104.6	104.0	104.3
Personal care	43.5	57.9	75.2	81.9	89.1	95.4	100.3	104.3	108.3	111.9	115.1
Personal and educational expenses	35.5	48.7	64.1	70.9	79.7	90.3	100.0	109.7	119.1	128.6	138.5
All commodities	41.7	58.2	76.6	86.0	93.2	97.0	99.8	103.2	105.4	104.4	107.7
All commodities less food	43.4	57.6	75.3	85.7	93.1	96.9	100.0	103.1	105.2	101.7	104.3
Durables	44.1	57.4	75.4	83.0	89.6	95.1	99.8	105.1	106.8	106.6	108.2
Nondurables	40.8	58.3	77.2	87.6	95.2	97.8	99.7	102.5	104.8	103.5	107.5
Energy	25.5	42.1	65.7	86.0	97.7	99.2	99.9	100.9	101.6	88.2	88.6

- Represents zero. NA Not available.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *CPI Detailed Report*, January issues.

No. 761. Consumer Price Indexes—Selected Areas: 1970 to 1987

[1982-84=100. Represents annual averages of monthly figures. Local area CPI indexes are byproducts of the national CPI program. Each local index has a smaller sample size than the national index and is therefore, subject to substantially more sampling and other measurement error. As a result, local area indexes show greater volatility than the national index, although their long-term trends are similar. Area definitions are those established by the Office of Management and Budget in 1983. For further detail see the U.S. Bureau of Labor Statistics Handbook of Methods, Bulletin 2285, Chapter 19, the Consumer Price Index, and Report 736, the CPI: 1987 Revision. See also text, section 15]

AREA	1970	1975	1980	1982	1983	1984	1985	1986	1987
All item index	**38.8**	**53.8**	**82.4**	**96.5**	**99.6**	**103.9**	**107.6**	**109.6**	**113.6**
Anchorage, AK MSA	41.1	57.1	85.5	92.4	99.2	103.3	105.8	107.8	108.2
Atlanta, GA MSA	38.6	53.6	80.3	96.0	99.9	104.1	108.9	112.2	116.5
Baltimore, MD MSA	39.1	55.2	83.7	95.6	99.9	104.5	108.2	110.9	114.2
Boston-Lawrence-Salem, MA-NH CMSA	40.2	55.8	82.6	95.5	99.8	104.7	109.4	112.2	117.1
Buffalo-Niagara Falls, NY CMSA	41.2	57.4	83.5	94.7	100.9	104.4	108.6	109.6	113.0
Chicago-Gary-Lake County, IL-IN-WI CMSA	38.9	52.8	82.2	96.2	100.0	103.8	107.7	110.0	114.5
Cincinnati-Hamilton, OH-KY-IN CMSA	37.4	51.8	82.1	94.9	100.8	104.3	106.6	107.6	111.9
Cleveland-Akron-Lorain, OH CMSA	37.2	50.2	78.9	94.0	101.2	104.8	107.8	109.4	112.7
Dallas-Fort Worth, TX CMSA	37.6	50.4	81.5	96.0	99.7	104.3	108.2	109.9	112.9
Denver-Boulder, CO CMSA	34.5	48.4	78.4	95.1	100.5	104.3	107.1	107.9	110.8
Detroit-Ann Arbor, MI CMSA	39.5	53.9	85.3	97.0	99.8	103.2	106.8	108.3	111.7
Honolulu, HI MSA	41.5	56.3	83.0	97.2	99.3	103.5	106.8	109.4	114.9
Houston-Galveston-Brazoria, TX CMSA	36.4	51.4	82.7	97.3	100.0	102.7	104.9	103.9	106.5
Kansas City, MO-KS CMSA	39.0	53.2	83.6	95.0	100.5	104.5	107.7	108.7	113.1
Los Angeles-Anaheim-Riverside, CA CMSA	38.7	53.3	83.7	97.3	99.1	103.6	108.4	111.9	116.7
Miami-Fort Lauderdale, FL CMSA	(NA)	(NA)	81.1	96.7	99.9	103.5	106.5	107.9	111.8
Milwaukee, WI PMSA	37.5	50.8	81.4	95.9	100.2	103.8	107.0	107.4	111.5
Minneapolis-St. Paul, MN-WI MSA	37.4	51.2	78.9	97.4	99.5	103.1	107.0	108.4	111.6
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	41.2	57.6	82.1	95.3	99.8	104.8	108.7	112.3	118.0
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	40.8	56.8	83.6	96.6	99.4	104.1	108.8	111.5	116.8
Pittsburgh-Beaver Valley, PA CMSA	38.1	52.4	81.0	94.4	101.1	104.5	106.9	108.2	111.4
Portland-Vancouver, OR-WA CMSA	38.7	53.5	87.2	98.0	99.1	102.8	106.7	108.2	110.9
San Diego, CA MSA	34.1	47.6	79.4	96.2	99.0	104.8	110.4	113.5	117.5
San Francisco-Oakland-San Jose, CA CMSA	37.7	51.8	80.4	97.6	98.4	104.0	108.4	111.6	115.4
Seattle-Tacoma, WA CMSA	37.4	51.1	82.7	97.7	99.3	103.0	105.6	106.7	109.2
St. Louis-East St. Louis, MO-IL CMSA	38.8	52.6	82.5	96.6	100.1	103.3	107.1	108.6	112.2
Washington, DC-MD-VA MSA	39.8	54.7	82.9	95.5	99.8	104.6	109.0	112.2	116.2

	1987								
	All items	Food and beverages	Food	Housing	Apparel and upkeep	Transportation	Medical care	Entertainment	Fuel and other utilities
Index	**113.6**	**113.5**	**113.5**	**114.2**	**110.6**	**105.4**	**130.1**	**115.3**	**103.0**
Baltimore, MD MSA	114.2	116.8	117.1	112.6	119.7	106.9	127.9	118.9	94.0
Boston-Lawrence-Salem, MA-NH CMSA	117.1	119.4	119.2	116.8	115.8	103.3	139.2	119.4	88.9
Chicago-Gary-Lake County, IL-IN-WI CMSA	114.5	113.2	113.1	116.3	109.2	106.1	129.2	116.0	104.3
Cleveland-Akron-Lorain, OH CMSA	112.7	111.3	111.3	114.0	108.5	103.9	128.5	115.8	102.6
Dallas-Fort Worth, TX CMSA	112.9	115.9	116.1	109.5	114.5	103.5	134.2	122.0	100.6
Detroit-Ann Arbor, MI CMSA	111.7	110.5	110.3	113.0	108.0	105.3	132.9	112.1	108.8
Houston-Galveston-Brazoria, TX CMSA	106.5	111.8	112.1	97.0	113.6	102.5	130.4	118.5	94.2
Los Angeles-Anaheim-Riverside, CA CMSA	116.7	113.2	112.9	121.0	112.5	108.9	129.5	111.2	112.6
Miami-Fort Lauderdale, FL CMSA	111.8	113.0	113.5	108.7	115.6	106.6	126.6	113.7	109.8
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	118.0	118.6	118.6	118.0	109.9	108.7	136.1	119.2	94.1
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	116.8	112.1	112.0	118.4	107.7	111.5	133.0	112.2	100.8
Pittsburgh-Beaver Valley, PA CMSA	111.4	109.4	109.3	113.4	107.0	100.5	130.2	121.4	108.4
St. Louis-East St. Louis, MO-IL CMSA	112.2	114.0	114.1	112.1	107.6	103.9	127.9	113.9	109.4
San Francisco-Oakland-San Jose, CA CMSA	115.4	113.7	114.0	121.5	104.6	102.4	128.7	121.6	105.4
Washington, DC-MD-VA MSA	116.2	113.6	113.6	118.9	116.3	105.9	129.1	121.5	101.0

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, and *CPI Detailed Report*, January issues.

NO. 762. ANNUAL PERCENT CHANGES IN CONSUMER PRICES, UNITED STATES AND OECD COUNTRIES: 1970 TO 1987

[Covers member countries of Organization for Economic Cooperation and Development (OECD). For consumer price indexes for OECD countries, see section 31]

COUNTRY	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	5.8	9.1	5.7	6.5	7.6	11.3	13.5	10.3	6.1	3.2	4.3	3.5	1.9	3.7
OECD, total	5.8	11.3	8.7	8.9	7.8	9.7	13.0	10.5	7.7	5.3	5.2	4.5	2.6	3.2
OECD, Europe	5.6	13.3	11.0	11.2	9.0	10.4	14.6	12.1	10.3	8.3	7.5	6.6	4.0	3.8
Australia	3.9	15.1	13.5	12.3	7.9	9.1	10.2	9.6	11.1	10.1	3.9	6.8	9.1	8.5
Canada	3.4	10.8	7.5	8.0	8.9	9.2	10.2	12.5	10.8	5.8	4.3	4.0	4.2	4.4
Japan	7.7	11.8	9.3	8.1	3.8	3.6	8.0	4.9	2.7	1.9	2.2	2.1	.4	−.2
New Zealand	6.5	14.7	16.9	14.3	11.9	13.8	17.1	15.4	16.1	7.4	6.2	15.4	13.2	15.7
Austria	4.4	8.4	7.3	5.5	3.6	3.7	6.4	6.8	5.4	3.3	5.6	3.2	1.7	1.4
Belgium	3.9	12.8	9.2	7.1	4.5	4.5	6.6	7.6	8.7	7.7	6.3	4.9	1.3	1.6
Denmark	5.8	9.6	9.0	11.1	10.0	9.6	12.3	11.7	10.1	6.9	6.3	4.7	3.6	4.0
Finland	2.8	17.9	14.4	12.6	7.8	7.5	11.6	12.0	9.6	8.3	7.1	5.9	2.9	4.1
France	5.2	11.8	9.6	9.4	9.1	10.8	13.6	13.4	11.8	9.6	7.4	5.8	2.7	3.1
Greece	3.2	13.4	13.3	12.1	12.6	19.0	24.9	24.5	21.0	20.2	18.5	19.3	23.0	16.4
Ireland	8.2	20.9	18.0	13.6	7.6	13.3	18.2	20.4	17.1	10.5	8.6	5.4	3.8	3.2
Italy	5.1	17.2	16.5	18.1	12.4	15.7	21.1	18.7	16.3	15.0	10.6	8.6	6.1	4.6
Luxembourg	4.6	10.7	9.8	6.7	3.1	4.5	6.3	8.1	9.4	8.7	4.6	4.1	.3	−.1
Netherlands	3.6	10.2	8.8	6.4	4.1	4.2	6.5	6.7	6.0	2.8	3.3	2.3	.2	−.5
Norway	10.6	11.7	9.1	9.1	8.1	4.8	10.9	13.7	11.3	8.4	6.2	5.7	7.2	8.7
Portugal [1]	6.3	20.4	19.3	27.2	22.5	23.9	16.6	20.0	22.4	25.5	29.3	19.3	11.7	9.4
Spain	5.7	16.9	17.7	24.5	19.8	15.7	15.5	14.6	14.4	12.2	11.3	8.8	8.8	5.3
Sweden	7.0	9.8	10.3	11.4	10.0	7.2	13.7	12.1	8.6	8.9	8.0	7.4	4.3	4.2
Switzerland	3.6	6.7	1.7	1.3	1.1	3.6	4.0	6.5	5.6	3.0	3.0	3.4	.7	1.5
Turkey [1]	7.9	19.2	17.4	27.1	45.3	58.7	110.2	36.6	30.8	31.4	48.4	45.0	34.6	38.9
United Kingdom	6.4	24.2	16.5	15.8	8.3	13.4	18.0	11.9	8.6	4.6	5.0	6.1	3.4	4.2
West Germany	3.4	6.0	4.5	3.7	2.7	4.1	5.5	6.3	5.3	3.3	2.4	2.2	−.2	.2

[1] Excludes rent.

Source: Organization for Economic Cooperation and Development, Paris, France, *Main Economic Indicators,* monthly.

NO. 763. CONSUMER PRICE INDEX BY REGION: 1975 TO 1987

[**1982-84 = 100.** For composition of regions, see fig. I, inside front cover]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
U.S. city average, all items	53.8	56.9	60.6	65.2	72.6	82.4	90.9	96.5	99.6	103.9	107.6	109.6	113.6
Food	59.8	61.6	65.5	72.0	79.9	86.8	93.6	97.4	99.4	103.2	105.6	109.0	113.5
Housing	50.7	53.8	57.4	62.4	70.1	81.1	90.4	96.9	99.5	103.6	107.7	110.9	114.2
Gas (piped) and electricity	40.1	44.7	50.5	55.0	61.0	71.4	81.9	93.2	101.5	105.4	107.1	105.7	103.8
Northeast:													
All items	55.8	59.0	62.3	66.2	72.8	82.2	91.0	95.8	99.8	104.5	108.4	111.1	116.0
Food	60.4	62.4	65.9	72.1	79.3	86.5	93.4	97.3	99.4	103.3	106.2	110.1	115.8
Housing	(NA)	(NA)	(NA)	63.6	70.2	80.7	90.7	95.7	99.7	104.6	109.0	112.7	117.3
Gas (piped) and electricity	(NA)	(NA)	(NA)	57.9	64.0	73.8	85.4	94.4	100.9	104.7	105.9	104.6	101.2
North Central:													
All items	53.0	56.1	59.9	64.7	72.6	82.4	90.1	96.5	99.9	103.6	106.8	108.0	111.9
Food	60.3	62.6	66.6	73.5	81.5	88.5	94.9	98.1	99.3	102.7	104.4	107.5	111.8
Housing	(NA)	(NA)	(NA)	60.6	69.2	80.0	87.7	96.3	100.3	103.5	107.0	109.4	112.4
Gas (piped) and electricity	(NA)	(NA)	(NA)	55.5	62.1	70.1	79.1	90.7	103.3	106.1	108.6	107.1	104.8
South:													
All items	53.3	56.3	60.0	65.0	72.4	81.9	90.7	96.5	99.7	103.8	107.1	108.9	112.4
Food	59.7	61.1	65.1	71.7	79.8	86.6	93.5	97.1	99.3	103.6	105.7	108.8	113.1
Housing	(NA)	(NA)	(NA)	62.6	70.2	80.8	90.4	97.5	99.6	103.0	106.3	109.0	111.0
Gas (piped) and electricity	(NA)	(NA)	(NA)	56.4	61.7	70.2	82.6	94.1	100.9	105.0	106.0	105.1	104.3
West:													
All items	52.6	55.8	59.9	65.0	72.6	83.3	91.9	97.4	99.0	103.6	108.0	110.5	114.3
Food	57.8	59.0	63.6	70.7	78.7	85.2	92.3	96.7	99.7	103.6	106.1	109.0	112.9
Housing	(NA)	(NA)	(NA)	63.2	70.8	83.3	92.6	98.4	98.2	103.3	108.8	113.0	116.5
Gas (piped) and electricity	(NA)	(NA)	(NA)	47.5	53.1	72.1	80.3	94.6	99.9	105.6	108.1	105.8	105.5

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *CPI Detailed Report,* January issues.

No. 764. Average Prices (Unit Values)—Selected Commodities Exported and Imported: 1970 to 1987

[In dollars per unit. Includes trade of Puerto Rico with foreign countries. Unit values obtained by dividing annual values of domestic exports and imports of merchandise for consumption by annual quantities. Values of goods exported represent those at port of export. For 1970, values of goods imported represent market values in country from which imported; transaction values f.a.s. (free alongside ship) at port of export for 1980; and customs value beginning in 1982. Unit values may show actual price movements only roughly for commodities subject to considerable price variations among different grades, methods of packing, etc., and to year-to-year variations in proportions of grades, etc. Unit values of agricultural exports also include effects of Commodity Credit Corporation sales for export]

COMMODITY	Unit	1970	1980	1982	1983	1984	1985	1986	1987
EXPORTS									
Wheat	Bushel	1.58	4.85	4.46	4.41	4.17	3.95	3.34	2.70
Milled rice, less than 75% broken kernels	Lb	.08	.20	.19	.19	.19	.17	.11	.11
Corn	Bushel	1.45	3.41	2.91	3.40	3.63	3.00	2.11	1.81
Grain sorghums	Bushel	1.32	3.34	2.92	3.36	3.17	2.85	2.23	1.98
Wheat flour	100 lb	3.85	12.17	11.26	6.89	11.09	9.57	6.81	6.48
Leaf tobacco, flue-cured, unstemmed	Lb	.92	2.11	2.62	2.70	2.82	2.54	2.41	2.39
Cigarettes	1,000	5.45	12.87	16.78	18.55	19.82	20.02	20.30	20.42
Soybeans	Bushel	2.80	7.35	6.64	7.09	7.57	6.04	5.01	4.57
Synthetic rubber, "s" type [1]	Lb	.18	.40	.46	.44	.44	.44	.37	.38
Woodpulp, special alpha and dissolving grades	Sh. ton	187	512	519	504	511	474	477	513
Cotton, upland, staple 1" to 1⅛"	Lb	.26	.71	.64	.69	.74	.68	.76	.29
Cotton, upland, staple, 1⅛" and over	Lb	.31	.82	.74	.75	.80	.75	.34	.65
Bituminous coal	Sh. ton	13	40	56	49	51	45	46	43
Steel scrap, No. 1, heavy melting	Sh. ton	43	102	74	74	86	79	102	94
Tallow, inedible	Lb	.09	.22	.20	.18	.23	.20	.14	.15
Soybean oil, crude	Lb	.12	.27	.22	.22	.31	.30	.21	.19
Carbon steel sheets, cold rolled	Lb	.08	.18	.25	.24	.28	.30	.19	.20
Polyethylene resin	Lb	.13	.42	.34	.34	.38	.32	.37	.40
Styrene, polymer, and copolymer resins	Lb	.19	.58	.66	.67	.71	.74	.66	.70
Container board liners	Lb	.06	.16	.14	.13	.15	.13	.29	.66
Nylon yarn, incl. monofilaments	Lb	.95	1.41	1.54	1.49	1.24	1.33	1.07	1.14
Carbon black, furnace	Lb	.09	.33	.52	.58	.61	.64	.75	.58
Copper, refined, crude forms	Lb	.67	.97	.68	.74	.89	.63	.67	.93
Aluminum metal and alloys	Lb	.26	.81	.75	.89	.90	.68	.74	.95
IMPORTS									
Canned beef	Lb	.43	1.44	1.15	1.14	1.04	1.14	1.15	1.40
Cashew nuts	Lb	.60	2.02	1.61	1.59	2.12	1.95	2.52	2.81
Raw sugar	Lb	.07	.22	.15	.18	.19	.13	.16	.15
Coffee (Brazil)	Lb	.47	1.87	1.25	1.24	1.31	1.27	1.72	.94
Coffee (Colombia)	Lb	.54	1.70	1.40	1.29	1.37	1.27	1.89	1.16
Cocoa (cacao beans, Africa)	Lb	.35	1.26	.82	.73	.92	.95	1.00	.94
Tea (Sri Lanka)	Lb	.39	.86	.76	.98	1.37	.95	.79	.89
Whisky, containers of 1 gal. or less (U.K.)	Proof gal	7.48	13.58	16.78	16.33	16.49	16.80	11.85	13.57
Whisky, containers of 1 gal. or less (Canada)	Proof gal	6.70	9.99	12.94	13.06	13.56	12.71	6.47	5.91
Cigarette leaf, unstemmed	Lb	.57	1.27	1.43	1.54	1.52	1.49	1.48	1.37
Goat and kid skins, dry	Lb	1.06	5.10	2.26	2.33	1.86	1.40	3.97	4.16
Crude rubber, except milk	Lb	.19	.59	.37	.42	.45	.35	.35	.40
Sawed lumber, fir	Mil. bd. ft	71	255	170	212	187	205	209	208
Sawed lumber, spruce	Mil. bd. ft	74	192	163	195	185	181	190	182
Woodpulp, sulphite, bleached, exc. rayon and special chemical grades	Sh. ton	143	444	449	417	418	399	369	222
Woodpulp, sulphate, bleached	Sh. ton	144	432	377	339	412	333	333	403
Apparel wool, 60's and finer [2]	Lb	.88	1.70	1.78	1.57	1.51	1.57	1.97	2.27
Iron ore (Canada)	Ton	12.42	33.61	38.82	38.44	37.05	38.01	36.04	31.53
Iron ore (Venezuela)	Ton	8.33	22.48	33.64	34.97	22.92	24.10	21.11	21.07
Manganese ore, metallurgical grade [3]	Lb	.02	.07	.09	.06	.02	.03	.04	.04
Bauxite, crude	Ton	10.91	27.81	33.14	29.17	30.26	29.41	27.98	24.17
Copper ores and concentrates [3]	Lb	.62	.70	.56	.49	.62	.51	.56	.65
Crude petroleum (Venezuela) [4]	Bbl	2.30	27.64	33.84	27.78	28.57	27.02	13.59	15.58
Newsprint	Sh. ton	140	369	421	399	418	429	429	464
Jute burlap	Lb	.23	.38	.48	.47	.52	.59	.41	.31
Concrete reinforcement bars	Lb	.05	.15	.12	.09	.10	.11	.11	.12
Steel tubes and pipes, at least .065" thick, ⅜" diameter	Lb	.08	.23	.31	.24	.21	.50	.39	.39
Copper, refined (Chile) [3]	Lb	.63	.99	.66	.71	.82	.62	.60	.71
Nickel in pigs, ingots, shot, etc.	Lb	1.30	3.17	2.81	2.33	2.31	2.46	2.01	2.01
Tin bars, blocks, pigs, etc. (Malaysia)	Lb	1.66	7.75	5.89	6.00	5.52	5.37	3.15	2.97

[1] Excludes latex (liquid). [2] Clean content. [3] Metal content. [4] Testing 25° API or more.

Source: U.S. Bureau of the Census, *U.S. Exports, Schedule B Commodity, By Country*, Report FT 446, annual; and *U.S. Imports for Consumption and General Imports, TSUSA Commodity by Country of Origin*, Report FT 246, annual.

No. 765. Import Price Indexes—Selected Commodities: 1980 to 1988

[**1985=100, except as noted.** Index values are given for the **June quarter** of each year. Indexes are weighted by the 1980 Tariff Schedule of the United States Annotated, a scheme for describing and reporting product composition and value of U.S. imports. Import prices are based on U.S. dollar prices paid by importer. F.o.b.=Free on board; c.i.f.=Cost, insurance, and freight]

COMMODITY	1980	1981	1982	1983	1984	1985 [1]	1986	1987	1988
All commodities	**(NA)**	**(NA)**	**(NA)**	**102.8**	**103.9**	**99.2**	**98.7**	**110.0**	**116.9**
Food	105.1	98.5	92.1	98.6	104.2	98.9	107.3	108.3	113.9
Meat	112.5	114.9	114.2	111.2	107.9	94.0	96.0	108.0	107.1
Meat and edible meat offals, fresh, chilled or frozen	114.5	116.4	115.0	115.0	109.4	93.2	91.1	102.0	104.7
Meat and edible meat offals, prepared or preserved, n.e.s.[2]; fish extracts	108.7	112.7	114.3	102.4	105.8	95.6	106.5	120.6	111.5
Dairy products and eggs	(NA)	100.9	104.4	102.5	100.7	98.7	108.7	122.3	125.0
Fish	94.5	102.4	103.1	101.7	101.9	98.6	110.5	126.0	129.1
Shellfish, fresh, chilled, frozen, salted, or dried, c.i.f	84.0	91.9	101.6	105.4	106.7	99.4	113.3	123.2	122.8
Fish in airtight containers, c.i.f	111.8	117.6	111.5	102.3	102.3	98.1	103.6	113.7	130.2
Bakery goods [3]	95.7	100.8	100.3	95.6	98.4	97.1	112.5	126.2	139.9
Fruits and vegetables	79.2	100.1	88.5	104.4	107.4	103.0	100.0	110.1	120.3
Sugar [4]	(NA)	(NA)	70.0	99.2	101.8	102.3	104.6	109.6	110.0
Coffee, tea, cocoa	114.9	80.6	84.6	89.0	105.6	96.8	117.2	87.0	93.4
Beverages and tobacco	85.7	92.8	96.2	96.7	98.2	99.2	105.2	112.8	116.2
Beverages	87.2	94.5	97.9	98.2	98.3	98.9	106.1	114.2	119.9
Alcoholic	87.2	94.5	97.9	98.3	98.2	98.9	105.8	113.7	119.3
Wine of fresh grapes, c.i.f	92.7	98.5	100.5	100.1	96.2	98.7	109.7	121.0	127.2
Beer, c.i.f	(NA)	(NA)	97.4	97.5	98.5	100.1	103.2	111.4	114.2
Spirits, c.i.f	80.5	91.9	96.7	97.6	99.4	98.5	104.1	109.1	115.6
Crude materials	(NA)	(NA)	(NA)	(NA)	108.4	100.5	106.4	116.2	137.8
Crude rubber [5]	(NA)	(NA)	(NA)	(NA)	120.9	101.0	99.5	103.7	151.1
Wood	(NA)	(NA)	92.5	119.8	99.8	105.0	104.3	110.2	111.4
Lumber	94.8	99.5	90.6	122.5	99.6	105.4	104.6	110.0	111.1
Pulp and waste paper	(NA)	(NA)	121.2	101.4	121.3	101.4	100.3	132.0	160.5
Crude minerals	(NA)	(NA)	(NA)	(NA)	96.0	100.6	99.0	99.6	101.0
Metalliferous ores and metal scrap	(NA)	(NA)	(NA)	(NA)	114.5	95.6	121.6	124.5	167.6
Ores and concentrates of base metals, n.e.s.[2]	(NA)	(NA)	(NA)	(NA)	120.4	94.5	134.0	136.4	192.9
Crude vegetable and animal materials, n.e.s.[2]	(NA)	(NA)	(NA)	(NA)	91.6	94.8	111.3	109.0	149.0
Fuels and related products	(NA)	(NA)	123.5	108.4	108.7	99.7	51.5	74.1	64.7
Crude petroleum and petroleum products	(NA)	(NA)	121.7	106.6	107.2	99.5	49.0	74.4	65.0
Crude petroleum	120.3	131.9	125.1	108.3	107.7	100.5	45.8	68.7	59.5
Natural gas and LNG	(NA)	(NA)	150.6	134.9	131.0	102.3	79.7	67.8	58.7
Fats and oils	(NA)	(NA)	(NA)	(NA)	174.3	110.0	66.7	87.9	111.2
Chemicals and related products	(NA)	(NA)	(NA)	103.9	104.5	100.4	99.7	104.8	116.3
Intermediate manufactured products	105.9	107.0	102.9	101.7	104.2	99.1	103.6	112.5	131.6
Leather and furskins	103.1	101.4	98.9	97.0	105.8	97.9	106.3	116.6	137.0
Rubber manufactures	100.4	106.8	107.9	103.5	102.2	99.5	101.2	104.6	107.7
Cork and wood manufactures	103.7	107.5	101.1	107.0	104.4	99.2	111.0	124.3	137.8
Paper and paperboard products	84.3	90.2	95.3	90.7	95.7	99.9	100.8	104.9	118.3
Paper and paperboard	83.8	89.5	95.1	90.1	95.1	100.0	98.9	102.5	115.5
Newsprint, c.i.f	83.0	88.7	94.6	86.7	94.0	100.1	99.2	105.0	119.1
Textiles	101.5	103.6	99.5	97.8	99.4	98.9	105.4	111.8	120.6
Non-metallic mineral manufactures	100.9	95.5	100.1	105.8	106.0	96.2	110.5	126.7	142.5
Iron and steel	99.2	108.6	106.3	95.4	102.9	100.2	98.9	106.6	127.2
Non-ferrous metals	(NA)	(NA)	107.2	119.2	118.1	100.2	98.9	112.4	154.6
Silver platinum and other metals of platinum group, c.i.f	(NA)	(NA)	100.3	148.6	132.9	94.6	106.8	141.7	135.7
Copper	129.7	123.2	110.0	114.6	104.6	100.6	103.9	107.8	148.8
Nickel, c.i.f	(NA)	(NA)	117.3	96.9	98.1	105.7	88.1	83.5	262.4
Zinc	91.2	106.7	87.0	91.7	126.9	109.4	83.2	101.3	147.2
Tin, c.i.f	148.5	119.4	114.6	116.5	108.6	103.9	49.0	60.4	62.0
Metal manufactures, n.e.s.[2]	103.3	106.5	104.3	99.5	100.5	99.2	107.9	112.7	127.9
Machinery and transport equipment	(NA)	96.5	99.6	100.7	100.5	98.9	110.4	119.9	127.3
Machinery specialized for particular industries	(NA)	(NA)	102.9	104.3	100.1	96.4	116.9	136.1	149.5
Metalworking machinery	109.6	107.0	109.7	106.1	102.1	98.3	113.0	128.1	142.5
General industrial machinery, parts n.e.s.[2]	(NA)	107.8	105.9	103.3	101.8	98.0	116.2	130.8	143.5
Office machines [6]	109.9	108.6	105.0	104.3	105.8	98.5	109.1	114.0	119.8
Telecommunications [7]	115.0	118.1	113.0	110.1	107.4	100.2	106.4	110.3	114.0
Electric machinery and equipment	(NA)	(NA)	115.3	115.7	107.2	100.3	106.4	115.8	123.8
Road vehicles and parts	(NA)	88.0	93.0	94.5	97.2	98.8	110.8	120.5	127.7
Misc. manufactured articles	100.3	102.6	101.3	101.6	102.7	99.2	106.8	117.8	125.8
Plumbing, heating and lighting fixtures	87.8	89.4	91.8	94.2	98.3	98.6	108.6	117.0	127.0
Furniture and parts	106.8	105.1	107.9	104.8	102.5	98.6	109.0	116.5	124.0
Footwear, c.i.f	101.1	104.1	100.7	97.5	102.0	98.1	108.0	119.8	130.2
Professional, scientific and controlling instruments and apparatus	109.4	110.3	109.6	104.0	102.3	96.1	117.9	135.9	142.2
Photographic apparatus [8]	111.1	111.5	104.6	100.1	101.5	98.9	113.8	120.0	129.3
Misc. manufactured articles, n.e.s.[2]	(NA)	(NA)	108.4	104.4	103.0	99.6	108.1	121.1	132.1

NA Not available. [1] June 1985 may not equal 100 because indexes were reweighted to an "average" trade value in 1985. [2] N.e.s.=not elsewhere specified. [3] Includes pasta products, grain and grain preparations. [4] Includes sugar preparations and honey. [5] Includes synthetic and reclaimed rubber. [6] Includes automatic data processing equipment. [7] Includes sound recording and reproducing equipment. [8] Includes photographic supplies, optical goods, watches and clocks.

Source: U.S. Bureau of Labor Statistics, *News*, quarterly.

No. 766. Export Price Indexes—Selected Commodities: 1980 to 1988

[1985=100, **except as noted.** Index values are given for **June quarter** of each year. Indexes are weighted by 1980 export values according to the Schedule B classification system of the U.S. Bureau of the Census. Prices used in these indexes were collected from a sample of U.S. manufacturers of exports and are f.o.b. (free on board) factory transaction prices, except as noted]

COMMODITY	1980	1981	1982	1983	1984	1985[1]	1986	1987	1988
All commodities	(NA)	(NA)	(NA)	(NA)	**104.1**	**100.4**	**99.1**	**102.2**	**109.4**
Food	(NA)	(NA)	(NA)	111.5	116.3	100.5	97.1	89.9	103.4
Meat	(NA)	(NA)	(NA)	94.4	102.1	98.8	105.2	121.2	131.8
Fish	(NA)	(NA)	(NA)	94.2	96.3	101.2	108.6	125.8	144.7
Grain and grain preparations	106.5	125.8	105.9	117.4	121.8	102.5	89.0	71.0	87.2
Wheat	113.7	118.3	107.5	112.2	110.2	99.8	80.7	66.8	87.8
Rice	128.3	167.1	104.9	118.4	107.2	101.6	67.9	59.1	105.7
Corn, yellow, f.o.b	99.7	126.5	104.3	120.4	131.3	104.0	95.2	72.7	83.7
Other grain	(NA)	(NA)	(NA)	(NA)	(NA)	106.3	96.5	77.7	87.6
Fruits and vegetables	(NA)	(NA)	(NA)	85.7	102.8	100.1	108.6	112.4	104.4
Feedstuff for animals	(NA)	(NA)	(NA)	132.3	129.9	90.9	114.8	123.8	158.1
Miscellaneous food products	(NA)	(NA)	(NA)	91.8	100.5	99.9	97.0	100.6	102.7
Beverages and tobacco	(NA)	(NA)	(NA)	100.4	102.4	100.1	97.4	105.0	110.6
Tobacco and tobacco products	(NA)	(NA)	(NA)	100.7	102.5	100.1	97.1	105.0	110.7
Crude materials	(NA)	(NA)	(NA)	104.5	123.6	101.6	102.2	114.5	139.7
Raw hides and skins	76.4	94.7	89.1	90.3	118.1	97.4	117.1	149.6	164.2
Oilseeds and oleaginous fruit	109.3	132.2	113.7	110.8	154.1	105.5	98.1	101.6	143.0
Crude rubber, f.a.s.[2]	(NA)	(NA)	(NA)	(NA)	100.3	99.8	99.9	101.0	106.1
Wood	122.9	107.7	106.1	99.6	101.3	98.7	101.2	116.2	149.5
Pulp and waste paper	(NA)	(NA)	(NA)	104.4	127.5	100.3	116.4	149.9	178.8
Textile fibers	108.3	120.1	101.8	106.8	120.5	103.5	98.0	112.4	109.8
Cotton	120.5	131.7	103.1	113.2	133.0	103.4	95.5	114.4	108.8
Crude minerals and fertilizers	79.2	91.5	90.9	87.2	88.9	100.4	98.4	94.0	94.9
Metal ores and scrap	(NA)	(NA)	(NA)	(NA)	117.2	100.9	98.0	107.0	146.0
Scrap metal (iron or steel) f.a.s.[2]	123.4	113.4	93.3	95.7	112.1	100.2	96.1	95.8	147.7
Nonferrous base metal waste and scrap, n.e.s.[2], f.a.s.[2]	(NA)	(NA)	(NA)	117.0	118.9	98.9	101.3	126.9	185.6
Fuels and related products	(NA)	(NA)	(NA)	(NA)	101.5	101.8	76.8	82.8	82.1
Coal and coke	(NA)	(NA)	(NA)	(NA)	(NA)	100.5	94.0	88.2	91.8
Crude petroleum and petroleum products [3]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	97.7
Fats and oils	(NA)	(NA)	(NA)	79.6	130.9	113.4	67.7	78.8	97.3
Vegetable oils	(NA)	(NA)	(NA)	71.3	125.8	116.8	70.6	71.9	93.7
Chemicals and related products	(NA)	(NA)	(NA)	99.1	102.4	100.2	98.0	106.7	121.8
Organic chemicals	(NA)	(NA)	(NA)	(NA)	106.8	100.6	93.1	118.4	145.1
Hydrocarbons, n.e.s.[2] and derivatives f.a.s.[2]	136.3	138.3	117.6	111.7	113.9	101.4	88.4	142.8	170.7
Alcohols, phenols, phenol-alcohols, and derivatives, f.a.s.[2]	117.6	115.6	112.0	106.0	107.2	99.9	96.9	102.7	143.8
Carboxylic acids, f.a.s.[2]	101.1	103.2	100.7	96.5	104.2	100.7	99.0	103.2	127.6
Fertilizers, manufactured	(NA)	(NA)	(NA)	98.2	107.1	97.2	93.0	91.6	109.8
Pesticides, starches, glue, gas and oil additives, chemical materials and products, n.e.s.[2]	(NA)	(NA)	(NA)	(NA)	97.1	99.9	101.8	97.7	102.3
Intermediate manufactured products	(NA)	(NA)	97.9	100.6	101.6	100.2	102.5	107.9	117.8
Leather and fur skins	103.4	103.3	89.7	86.5	104.5	99.1	103.8	126.9	125.1
Rubber manufactures	82.6	92.4	97.8	96.9	98.7	100.2	100.1	102.5	108.8
Paper and paperboard products	86.0	93.4	92.0	89.5	102.0	100.5	104.7	117.0	129.0
Textiles	(NA)	(NA)	(NA)	(NA)	(NA)	100.2	102.9	103.7	107.9
Non-metallic mineral manufactures [4]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	102.4	108.7	114.1
Iron and steel	(NA)	(NA)	105.0	100.2	100.4	99.5	100.2	102.9	110.8
Non-ferrous metals	(NA)	(NA)	102.6	123.5	111.6	102.0	103.1	113.0	143.7
Metal manufactures, n.e.s.[2]	(NA)	(NA)	94.6	95.5	98.3	99.7	100.8	101.3	108.0
Machinery and transport equipment [5]	79.1	86.4	93.0	94.9	97.8	100.0	100.8	101.8	103.9
Power generating machinery [6]	70.5	80.4	88.5	90.6	93.2	100.1	102.4	103.7	108.5
Internal combustion piston engines, parts	73.5	82.9	91.2	96.2	99.8	99.8	101.4	102.9	107.1
Electric motors, generators, and other rotating plant, f.o.b., factory	84.5	88.4	95.9	95.8	95.7	101.0	103.2	107.7	117.9
Machinery specialized for particular industries	76.9	86.3	93.7	95.6	98.1	100.0	100.3	100.1	103.6
Agricultural machinery and parts [7]	72.6	80.1	86.6	93.6	97.6	99.7	100.4	101.2	102.0
Civil engineering and contractors, plant and equipment [8]	77.4	89.3	99.5	97.5	99.6	100.3	98.4	96.0	98.6
Metalworking machinery	77.5	86.1	93.8	95.2	97.0	99.7	102.0	106.7	111.3
General industrial machines, parts, n.e.s.[2]	76.6	85.7	93.1	94.6	97.2	100.0	101.6	104.5	108.0
Office machines [9]	101.6	106.5	106.0	104.6	102.4	99.8	99.0	96.1	95.5
Telecommunications [10]	88.8	91.5	96.7	98.9	99.8	99.6	98.9	101.4	104.6
Electrical machinery, equipment	87.6	90.0	94.9	94.8	98.4	100.9	99.2	102.1	102.8
Road vehicles and parts	76.8	83.3	90.1	93.4	97.5	100.1	101.7	103.5	104.7
Other transport equipment [5]	64.4	73.2	83.8	88.5	94.5	99.2	103.1	105.5	109.6

NA Not available. [1] June 1985 may not equal 100 because indexes were reweighted to an "average" trade value in 1985. [2] F.a.s.=free alongside ship. N.e.s.=not elsewhere specified. [3] December 1987=100. [4] September 1985=100. [5] Excludes military and commercial aircraft. [6] Includes equipment. [7] Excludes tractors. [8] Includes parts. [9] Includes data processing equipment. [10] Includes sound recording and reproducing equipment.

Source: U.S. Bureau of Labor Statistics, *News*, quarterly.

NO. 767. SELECTED MINERAL PRODUCTS—AVERAGE PRICES: 1975 TO 1987

[Represents average price except as noted. Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series M96, 139, 148, 209, 248, and 262]

MINERAL	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Aluminum [1]	Cents/lb	39.8	51.6	54.0	61.0	71.6	76.0	76.0	77.8	81.0	81.0	81.0	72.3
Bituminous coal [2] [3]	Dol./sh. ton	19.23	19.82	21.78	23.65	24.52	26.29	27.14	25.85	25.51	25.10	23.70	23.00
Cobalt [4]	Dol./lb	3.98	5.58	[5] 6.40	24.58	25.00	14.58	8.56	5.76	10.40	11.43	7.49	6.56
Copper, electrolytic	Cents/lb	64.2	66.8	66.5	93.3	101.3	84.2	72.8	76.5	66.8	67.0	66.1	82.5
Gold	Dol./fine oz	161	148	194	308	613	460	376	424	361	318	368	448
Lead (NY)	Cents/lb	21.5	30.7	33.7	52.6	42.5	36.5	25.5	21.7	25.6	19.1	22.1	35.9
Natural gas [2] [6]	Dol./1,000 cu. ft.	.45	.79	.91	1.18	1.59	1.98	2.46	2.59	2.66	2.51	1.94	1.71
Nickel [7]	Dol./lb	2.20	2.41	2.10	3.20	2.85	2.65	2.24	2.20	2.22	2.26	1.88	2.20
Petroleum, crude [2]	Dol./bbl	7.67	8.57	9.00	12.64	21.59	31.77	28.52	26.19	25.88	24.09	12.51	15.41
Platinum [8]	Dol./troy oz	164	162	237	352	439	475	475	475	475	475	519	600
Silver	Dol./fine oz	4.42	4.62	5.40	11.09	20.63	10.52	7.95	11.44	8.14	6.14	5.47	7.01
Tungsten concentrate [9]	Dol./lb	5.30	9.15	8.22	8.40	8.38	7.96	6.35	4.70	5.18	4.22	3.21	2.88
Zinc [10]	Cents/lb	39.0	34.4	31.0	37.3	37.4	44.6	38.5	41.4	48.6	40.4	38.0	41.9

[1] 99.5 percent primary aluminum ingot. [2] Average value at point of production; includes Alaska. Source: U.S. Energy Information Administration, *Annual Energy Review* and *Monthly Energy Review*. [3] Includes subbituminous coal and lignite. [4] Weighted average based on the market price quoted by a major U.S. cobalt dealer, otherwise based on range of prices. [5] Represents low price for year. Price ranged from low 6.40 lb. to 20.00 per lb. [6] Average value of marketed production. [7] 1975–1979, peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, includes U.S. duty f.o.b. Port Colborne, Ontario; thereafter, from New York dealer. [8] Producer prices. [9] Average value of shipments. [10] Delivered price.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 768. COMMODITY RESEARCH BUREAU FUTURES PRICE INDEX: 1975 TO 1987

[**1967 = 100.** Index computed daily. Represents unweighted geometric average of commodity futures prices (through 9 months forward) of 21 major commodity futures markets. Represents end of year index]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All commodities	**191.0**	**204.7**	**200.3**	**227.6**	**281.5**	**308.5**	**254.9**	**234.0**	**277.6**	**244.2**	**229.2**	**209.1**	**232.5**
Imported	259.4	348.1	334.8	345.0	425.3	426.0	357.0	269.0	326.0	291.7	398.2	321.2	356.1
Industrial	154.8	173.6	175.0	222.1	354.8	324.6	249.2	249.9	249.0	217.0	211.7	210.4	252.5
Grains	195.6	192.5	179.0	187.8	251.9	312.1	251.3	215.1	249.6	224.9	198.5	164.6	186.1
Oilseeds	181.6	229.7	208.6	240.6	258.1	314.6	271.0	236.9	316.6	273.5	245.4	189.8	223.6
Livestock and meats	180.8	162.5	166.9	196.4	195.0	217.4	195.3	219.9	229.7	240.8	206.9	200.2	189.9
Metals (precious) [1]	141.0	149.5	163.8	230.4	658.0	531.4	319.7	366.0	328.5	243.3	256.6	296.6	346.4

[1] Prior to 1979, index for metals only.

Source: Commodity Research Bureau (CRB), New York City, NY, *CRB Commodity Index Report*, weekly. (Copyright.)

NO. 769. FOOD PRICES—FARM VALUE AND RETAIL PRICE FOR SELECTED ITEMS: 1980 TO 1987

[**In dollars per retail unit indicated.** The farm value is the payment to farmers for the quantity of farm products equivalent to the unit sold at retail minus imputed value of byproducts. Because of losses from processing, waste, and spoilage, the farm value represents larger quantities than the retail unit]

FOOD ITEM	Unit	FARM VALUE					RETAIL PRICE				
		1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Beef, choice	Lb	1.45	1.40	1.27	1.24	1.38	2.38	2.40	2.33	2.31	2.42
Pork	Lb	.63	.77	.71	.82	.83	1.40	1.62	1.62	1.78	1.88
Broilers	Lb	.39	.44	.40	.46	.41	.73	.81	.76	.84	.78
Eggs, grade A	Doz	.51	.66	.52	.54	.48	.84	1.01	.80	.87	.78
Milk, sold in stores	½ gal	.56	.58	.56	.55	.56	1.05	1.13	1.13	1.11	1.14
Bread, white [1]	Lb	.05	.05	.05	.04	.04	.51	.54	.55	.56	.55
Potatoes, Northeast white round	10 lb	.62	.68	.37	.50	.62	1.80	1.91	1.60	1.56	2.40
Oranges, California	Lb	.05	.17	.12	.08	.10	.36	.50	.53	.48	.55
Lettuce, California [2]	Lb	.05	.04	.07	.06	.10	.46	.50	.53	.54	.60
Orange juice, frozen	12 oz	.36	.49	.62	.39	.42	.88	1.22	1.32	1.07	1.11
Tomatoes, California [3]	Lb	.05	.05	.05	.05	.05	.42	.53	.52	.51	.51

[1] Farm value includes value for wheat, lard, soybean oil, high fructose corn syrup, and soy-whey blend. [2] Farm value represents value in the field. Harvesting and packing, a contract operation, appears as processing or packing cost. [3] Whole canned tomatoes.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Cost Review, 1987*.

No. 770. Food—Retail Consumer Price Indexes, Selected Areas: 1970 to 1987

[1982-84=100. See headnote table 761 and text, section 15 regarding MSA's]

AREA	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total food	**39.2**	**59.8**	**86.8**	**93.6**	**97.4**	**99.4**	**103.2**	**105.6**	**109.0**	**113.5**
Anchorage, AK MSA	(NA)	62.6	90.5	94.8	97.3	99.7	103.1	106.2	110.8	113.3
Atlanta, GA MSA	38.2	60.5	85.6	93.1	97.0	99.7	103.2	106.1	111.3	112.2
Baltimore, MD MSA	40.6	61.7	88.2	94.3	96.5	99.4	104.0	107.2	112.2	117.1
Boston-Lawrence-Salem, MA-NH CMSA	41.9	63.9	89.4	94.7	96.7	99.0	104.3	108.5	113.5	119.2
Buffalo-Niagara Falls, NY CMSA	41.0	61.2	86.8	94.4	97.5	99.8	102.6	106.0	108.6	112.4
Chicago-Gary-Lake County, IL-IN-WI CMSA	40.8	61.8	91.2	96.5	98.7	99.3	101.9	104.1	108.8	113.1
Cincinnati-Hamilton, OH-KY-IN CMSA	37.1	57.3	85.8	92.7	96.8	99.1	104.1	104.9	107.5	111.0
Cleveland-Akron-Lorain, OH CMSA	39.5	59.2	85.5	93.0	96.2	93.7	104.0	106.2	107.5	111.3
Dallas-Fort Worth, TX CMSA	38.1	57.3	85.6	92.4	96.0	99.6	104.3	107.0	111.0	116.1
Denver-Boulder, CO CMSA	(NA)	62.1	86.2	93.5	96.2	99.4	104.4	106.2	106.9	107.5
Detroit-Ann Arbor, MI CMSA	41.7	62.2	88.9	95.7	99.4	99.2	101.4	103.1	107.1	110.3
Honolulu, HI MSA	37.0	57.3	84.3	92.7	96.9	99.5	103.7	107.7	109.9	114.3
Houston-Galveston-Brazoria, TX CMSA	35.8	56.2	83.9	91.9	96.4	99.2	104.4	105.1	107.4	112.1
Kansas City, MO-KS CMSA	40.1	61.5	89.8	95.2	97.6	99.1	103.3	105.9	109.3	112.5
Los Angeles-Anaheim-Riverside, CA CMSA	38.5	58.4	85.4	92.3	96.9	100.1	103.1	105.5	108.5	112.9
Miami-Fort Lauderdale, FL CMSA	(NA)	(NA)	84.6	91.3	96.8	99.5	103.8	104.5	107.1	113.5
Milwaukee, WI PMSA	39.2	59.6	87.0	94.9	98.3	99.5	102.1	105.9	107.8	112.2
Minneapolis-St. Paul, MN-WI MSA	38.6	59.3	87.7	92.9	96.6	99.4	103.9	106.4	109.1	113.8
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	39.5	60.2	85.1	92.8	97.4	98.9	103.7	107.3	112.2	118.6
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	38.5	59.7	86.1	92.6	97.7	99.9	102.4	105.0	107.7	112.0
Pittsburgh-Beaver Valley, PA CMSA	39.7	60.9	87.3	94.1	98.1	101.1	100.8	101.9	104.7	109.3
Portland-Vancouver, OR-WA CMSA	37.9	57.5	85.5	92.2	97.1	99.6	103.3	105.8	108.2	111.4
San Diego, CA MSA	36.9	56.5	83.8	90.0	94.7	100.4	105.0	107.1	111.1	115.8
San Francisco-Oakland-San Jose, CA CMSA	38.1	58.0	84.8	91.0	96.9	99.1	103.9	106.0	109.5	114.0
Seattle-Tacoma, WA CMSA	39.4	58.9	84.5	91.6	98.5	100.0	101.5	103.2	106.7	112.2
St. Louis-East St. Louis, MO-IL CMSA	39.9	60.2	87.1	93.6	97.1	99.7	103.2	105.7	109.8	114.1
Washington, DC-MD-VA MSA	39.1	60.3	88.1	92.7	97.2	99.8	103.0	106.1	109.9	113.6

NA Not available.

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report*, January issues.

No. 771. Weekly Food Cost for Families, by Type of Family: 1975 to 1988

[In dollars. As of **December**, except as indicated Based on moderate-cost food plan; assumes all meals are eaten at home or taken from home]

URBAN FAMILY TYPE	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	
										Jan.	May
Couple, 20–54 years old [1]	37.10	52.00	53.40	54.60	54.70	56.50	58.30	60.40	63.50	63.90	64.20
Couple, 55 years and over [1]	32.40	45.90	47.10	48.10	52.00	53.90	55.70	57.80	60.70	61.40	61.70
Couple with children:											
1 child, 1–5 years old	44.90	62.90	64.70	66.00	66.90	69.20	71.30	73.90	77.50	78.10	78.60
1 child, 15–19 years old	53.50	74.80	76.80	78.50	77.80	80.50	83.00	85.80	90.10	90.90	91.40
2 children, 1–5 years old	51.80	72.60	74.70	76.20	77.80	80.50	82.90	85.80	90.00	90.70	91.40
2 children, 6–11 years old	63.00	88.10	90.70	92.60	93.50	97.10	99.80	103.30	108.30	109.20	110.00
2 children, 12–19 years old	67.20	93.80	96.50	98.60	98.00	101.60	104.60	108.20	113.50	114.50	115.20

[1] Beginning 1983, costs based on revised food plans with age groups 20–50 years old and 51 years old and over.

Source: U.S. Dept. of Agriculture, Human Nutrition Information Service, *News*, monthly.

No. 772. Selected Agricultural Commodity Prices Received by Farmers: 1982 to 1987

[Minus sign (–) indicates decrease]

COMMODITY	Unit	PRICE						PERCENT CHANGE				
		1982	1983	1984	1985	1986	1987	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987
Beef	Dol. per 100 lb	56.70	55.50	57.30	53.70	52.60	61.10	–2.1	3.2	–6.3	–2.0	16.2
Broilers	Cents per lb	26.9	28.6	33.7	30.1	34.5	28.7	6.3	17.8	–10.7	14.6	–16.8
Calves	Dol. per 100 lb	59.80	61.70	59.90	62.10	61.10	78.50	3.2	–2.9	3.7	–1.6	28.5
Eggs	Cents per doz	59.5	61.1	72.3	57.1	61.6	54.9	2.7	18.3	–21.0	7.9	–10.9
Hogs and pigs	Dol. per 100 lb	52.30	46.80	47.10	44.00	49.30	51.20	–10.5	.6	–6.6	12.0	3.9
Rice, rough [1]	Dol. per 100 lb	7.91	8.57	8.04	6.53	3.75	7.50	8.3	–6.2	–18.8	–43.4	100.0
Sheep and lambs	Dol. per 100 lb	43.60	44.10	49.40	57.90	59.80	68.20	1.1	12.0	17.2	3.3	14.0
Turkeys	Cents per lb	39.5	38.0	48.9	49.1	47.1	34.8	–3.8	28.7	.4	–4.1	–26.1
Wheat [1]	Dol. per bu	3.45	3.51	3.39	3.08	2.42	2.55	1.7	–3.4	–9.1	–21.4	5.4
Whole milk [2]	Cents per qt	48.0	48.4	49.2	48.7	48.4	48.6	.8	1.7	–1.0	–.6	.4

[1] Marketing year average price. [2] Sold to consumers.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Field Crops* (Statistical Bulletin 708); *Agricultural Statistics*, annual; and *Agricultural Outlook*, monthly. Also, *Meat Animals—Production, Disposition, and Income*, annual; and annual livestock summaries. *Milk Production, Disposition, and Income*, annual; and *Poultry—Production, Disposition, and Income; and Turkeys.*

No. 773. Median Purchase Price of Existing One-Family Houses: 1980 to 1987

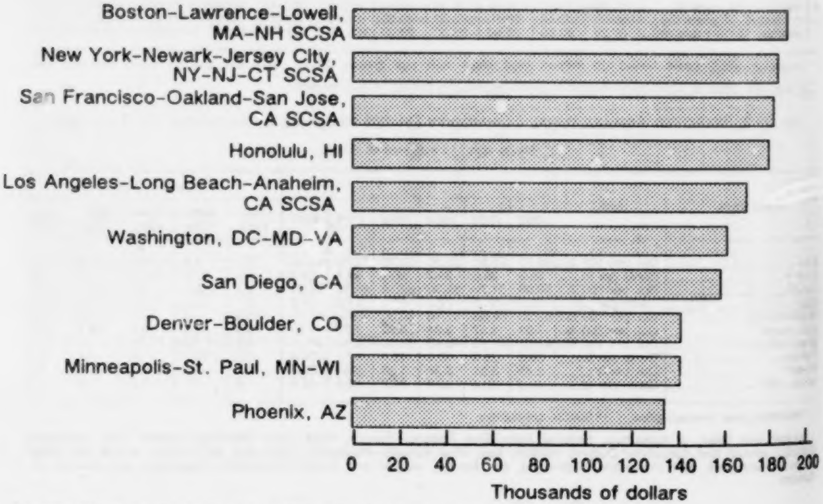
[In thousands of dollars, except percent. Represents SMSA unless specified; see Appendix II. Minus sign (−) indicates decrease]

METROPOLITAN AREA	PRICE							AVERAGE ANNUAL PERCENT CHANGE		
	1980	1982	1983	1984	1985	1986	1987	1980–1985	1985–1986	1986–1987
Atlanta, GA	81.8	96.0	97.5	98.3	106.7	119.8	131.1	5.5	12.3	9.4
Baltimore, MD	69.5	76.6	79.6	84.5	101.4	123.7	125.4	7.9	22.0	1.4
Boston-Lawrence-Lowell, MA–NH SCSA	70.5	77.5	91.0	102.5	127.3	153.4	186.2	12.6	20.5	21.4
Chicago-Gary, IL–IN SCSA	78.0	87.6	92.8	90.7	98.7	113.3	116.9	4.8	14.8	3.2
Cleveland-Akron-Lorain, OH SCSA	63.8	75.1	73.3	73.2	73.8	84.4	89.4	3.0	14.4	5.9
Columbus, OH	65.7	78.8	77.7	72.7	79.4	85.1	92.6	3.9	7.2	8.8
Dallas, TX	89.4	97.2	104.5	109.2	124.1	130.5	128.5	6.8	5.2	−1.5
Denver-Boulder, CO	80.0	85.4	119.3	115.3	131.6	152.7	139.8	10.5	16.0	−8.4
Detroit-Ann Arbor, MI SCSA	67.9	85.0	73.8	75.3	78.4	82.0	93.6	2.9	4.6	14.1
Greensboro-Winston Salem-High Point, NC	63.6	70.1	74.6	70.6	82.4	88.7	110.0	5.3	7.6	24.0
Honolulu, HI	119.3	129.1	135.0	138.7	150.6	161.6	177.6	4.8	7.3	9.9
Houston-Galveston, TX SCSA	85.7	90.2	101.8	94.8	101.1	114.2	106.8	3.4	13.0	−6.5
Indianapolis, IN	60.3	70.0	71.2	67.2	71.4	81.7	94.7	3.4	14.4	15.9
Kansas City, MO–KS	64.2	80.1	78.0	80.3	90.5	97.6	105.8	7.1	7.8	8.4
Los Angeles-Long Beach-Anaheim, CA SCSA	110.7	122.3	133.4	132.0	142.9	156.1	167.7	5.2	9.2	7.4
Louisville, KY–IN	58.5	59.1	61.9	61.1	70.0	73.1	85.6	3.7	4.4	17.1
Miami-Fort Lauderdale, FL SCSA	75.3	89.0	80.6	84.7	89.3	99.3	103.9	3.5	11.2	4.6
Milwaukee-Racine, WI SCSA	84.9	85.7	80.8	82.2	83.7	88.6	95.7	−.3	5.9	8.0
Minneapolis-St. Paul, MN–WI	80.9	95.8	95.3	103.4	115.4	132.9	139.4	7.4	15.2	4.9
New York-Newark-Jersey City, NY–NJ–CT SCSA	93.8	102.7	114.6	126.5	139.4	156.0	181.8	8.3	13.3	15.1
Philadelphia-Wilmington-Trenton, PA–DE–NJ–MD SCSA	62.6	65.0	71.7	75.9	81.4	97.7	113.7	5.4	20.0	16.4
Phoenix, AZ	92.7	91.3	97.2	101.4	116.6	130.3	132.9	4.7	11.7	2.0
Pittsburgh, PA	64.6	66.8	68.0	67.7	72.5	81.9	82.8	2.3	13.0	1.1
Portland, OR–WA	75.5	95.5	81.6	86.9	92.6	110.8	108.5	4.2	19.7	−2.1
Rochester, NY	57.5	67.8	72.1	73.8	84.2	91.3	79.6	7.9	8.4	−12.8
St. Louis, MO–IL	56.5	63.9	71.0	73.2	75.7	81.4	92.1	6.0	7.5	11.7
Salt Lake City-Ogden, UT	73.2	86.5	78.0	92.2	92.9	120.9	121.0	4.9	30.1	.1
San Diego, CA	105.7	118.0	124.6	122.9	141.7	148.9	156.7	6.0	5.1	5.2
San Francisco-Oakland-San Jose, CA SCSA	122.9	137.6	144.2	143.4	154.9	167.5	179.9	4.7	8.1	7.4
Seattle-Tacoma, WA SCSA	82.2	94.6	96.1	97.8	102.7	123.5	127.7	4.6	20.3	3.4
Tampa-St. Petersburg, FL	64.0	83.8	76.4	78.1	79.1	88.1	100.3	4.3	11.4	13.8
Washington, DC–MD–VA	100.1	126.4	130.0	131.7	152.6	156.6	159.5	8.8	2.6	1.9

Source: Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

Figure 15.3

Median Purchase Price of Existing One-Family Houses in Ten Most Expensive Metropolitan Areas: 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 773.

No. 774. Consumer Price Indexes (CPI) of Homeowners Equivalent Rent in Selected Areas: 1983 to 1987

[1982-84=100. Annual averages of monthly figures, except as indicated. Minus sign (–) indicates decrease. See Appendix II]

AREA	1983	1984	1985	1986	1987	PERCENT CHANGE 1983-84	1984-85	1985-86	1986-87
Anchorage, AK MSA	103.6	108.4	107.3	105.2	96.3	4.6	–1.0	–2.0	–8.5
Atlanta, GA MSA	101.7	106.0	114.1	121.5	126.4	4.2	7.6	6.5	4.0
Baltimore, MD MSA	102.7	108.8	115.3	122.8	127.6	5.9	6.0	6.5	3.9
Boston-Lawrence-Salem, MA-NH CMSA	105.7	111.4	119.6	127.7	137.4	5.4	7.4	6.8	7.6
Buffalo-Niagara Falls, NY CMSA	104.2	110.5	120.5	125.6	131.7	6.0	9.0	4.2	4.9
Chicago-Gary-Lake County, IL-IN-WI CMSA	102.0	107.8	114.5	119.9	125.3	5.7	6.2	4.7	4.5
Cincinnati-Hamilton, OH-KY-IN CMSA	101.9	105.9	110.0	113.7	119.2	3.9	3.9	3.4	4.8
Cleveland-Akron-Lorain, OH CMSA	102.3	105.4	111.0	116.1	120.3	3.0	5.3	4.6	3.6
Dallas-Fort Worth, TX CMSA	104.6	108.8	113.8	118.7	119.1	4.0	4.6	4.3	.3
Denver-Boulder, CO CMSA	102.6	107.0	110.5	111.8	113.2	4.3	3.3	1.2	1.3
Detroit-Ann Arbor, MI CMSA	100.7	103.4	108.2	115.2	121.2	2.7	4.6	6.5	5.2
Honolulu, HI MSA	100.6	105.8	110.4	115.8	125.0	5.2	4.3	4.9	7.9
Houston-Galveston-Brazoria, TX CMSA	98.4	95.1	93.9	93.8	91.8	–3.4	–1.3	–.1	–2.1
Kansas City, MO-KS CMSA	102.7	107.7	112.1	115.6	118.6	4.9	4.1	3.1	2.6
os Angeles-Anaheim-Riverside, CA CMSA	103.1	110.1	117.1	125.5	133.5	6.8	6.4	7.2	6.4
iami-Fort Lauderdale, FL CMSA	102.6	103.7	106.4	109.0	111.3	1.1	2.6	2.4	2.1
ilwaukee, WI PMSA	103.6	109.0	115.4	120.1	129.1	5.2	5.9	4.1	7.5
inneapolis-St. Paul, MN-WI MSA	102.4	105.6	112.0	117.3	122.2	3.1	6.1	4.7	4.2
ew York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	102.7	108.9	115.0	124.4	133.4	6.0	5.6	8.2	7.2
hiladelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	101.7	107.7	117.8	125.3	133.7	5.9	9.4	6.4	6.7
ittsburgh-Beaver Valley, PA CMSA	102.6	106.0	109.1	114.2	117.9	3.3	2.9	4.7	3.2
ortland-Vancouver, OR-WA CMSA	101.2	103.1	107.5	112.0	116.0	1.9	4.3	4.2	3.6
an Diego, CA MSA	105.3	114.9	129.6	139.7	144.3	9.1	12.8	7.8	3.3
an Francisco-Oakland-San Jose, CA CMSA	107.0	114.9	123.5	134.9	140.5	7.4	7.5	9.2	4.2
eattle-Tacoma, WA CMSA	101.1	104.5	108.2	112.6	115.3	3.4	3.5	4.1	2.4
t. Louis-East St. Louis, MO-IL CMSA	102.9	108.8	116.8	120.8	125.2	5.7	7.4	3.4	3.6
ashington, DC-MD-VA MSA	101.8	107.1	113.5	119.9	124.9	5.2	6.0	5.6	4.2

No. 775. Consumer Price Index—Percent Change in Fuels and Utilities: 1970 to 1987

[1982-84=100. Represents all urban consumers. Minus sign (–) indicates decrease. See text for section 15]

ITEM	1970-75	1975-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
ousehold fuels and other utilities	9.3	9.3	16.4	14.6	9.8	5.6	4.6	1.6	–2.3	–1.1
Household fuels	11.3	11.7	22.0	16.6	9.6	5.1	3.5	.5	–5.1	–1.9
Fuel oil and other household fuel commodities	16.5	14.4	38.0	21.5	–1.1	–6.0	2.3	–3.5	–19.1	.4
Fuel oil	16.2	16.0	39.0	22.3	–2.1	–8.1	2.1	–4.0	–21.7	2.3
Gas (piped) and electricity	9.6	11.1	17.0	14.7	13.8	8.9	3.8	1.6	–1.3	–1.8
Electricity	9.5	7.0	15.5	15.0	9.9	3.2	6.5	3.4	1.4	–.4
Utility (piped) gas	9.7	15.4	19.2	14.0	19.9	16.6	.8	–.7	–4.9	–4.6
Telephone services	4.1	1.4	2.5	8.9	10.2	6.4	8.4	3.9	4.9	–.6

No. 776. Average Price of Energy in Selected Areas: 1988

[In dollars per unit shown. One therm contains approximately 100 cubic feet of natural gas. As of January. See Appendix II]

CITY/MSA	Utility (piped) gas (100 therms)	Electricity (500 kWh)	Fuel oil No. 2 (gallon)	GASOLINE All types [1]	Leaded regular	Unleaded regular	Unleaded premium
U.S. city average	**54.51**	**40.20**	**.890**	**.947**	**.881**	**.933**	**1.095**
ltimore, MD MSA	51.34	37.15	.924	1.007	.955	.968	1.136
ston-Lawrence-Salem, MA-NH CMSA	63.29	45.03	.914	1.010	.929	.979	1.134
icago-Gary-Lake County, IL-IN-WI CMSA	41.24	42.70	.910	1.011	.947	.989	1.161
veland-Akron-Lorain, OH CMSA	46.94	46.29	.881	.950	.873	.926	1.140
llas-Fort Worth, TX CMSA	49.41	39.43	(NA)	.913	.875	.897	1.034
troit-Ann Arbor, MI CMSA	52.81	42.18	.970	.944	.879	.952	1.073
uston-Galveston-Brazoria, TX CMSA	41.89	36.07	(NA)	.892	.832	.859	1.049
s Angeles-Anaheim-Riverside, CA CMSA	57.41	44.53	(NA)	.893	.869	.866	1.071
ami-Fort Lauderdale, FL CMSA	63.28	47.48	(NA)	1.035	(NA)	.977	1.098
w York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	64.16	58.19	.944	1.031	.928	.971	1.151
ladelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	65.29	51.43	.905	.942	.898	.907	1.091
tsburgh-Beaver Valley, PA CMSA	54.17	42.69	.767	.912	.884	.895	1.069
Louis-East St. Louis, MO-IL CMSA	50.85	38.67	.824	.933	.880	.914	1.116
n Francisco-Oakland-San Jose, CA CMSA	44.18	43.86	(NA)	.975	.915	.976	1.114
shington, DC-MD-VA MSA	62.80	38.40	.988	1.084	.938	1.031	1.287

A Not available. [1] Includes types of gasoline not shown separately.

ource of tables 774-776: U.S. Bureau of Labor Statistics, *CPI Detailed Report*, January issues.

No. 777. Average Monthly Residential, Commercial, and Industrial Bills for Electricity: 1980 to 1987

[In **dollars**. As of **January 1**. Represents composite averages, derived using census data; for 1980 data, the 1970 census was used; thereafter, 1980 Census was used. Residential, for cities of 2,500 or more population; commercial and industrial, for 455 large cities in United States and Puerto Rico. kW = Kilowatts; kWh = Kilowatt-hours. See source for coverage detail]

ITEM	1980	1985	1986	1987, prel.
RESIDENTIAL				
Average bill, dollars:				
500 kWh	27.80	41.86	42.54	40.88
750 kWh	36.94	57.86	58.79	56.78
1,000 kWh	48.79	76.37	77.50	74.57
Average bill, cents per kWh:				
500 kWh	5.6	8.4	8.5	8.2
750 kWh	4.9	7.7	7.8	7.6
1,000 kWh	4.9	7.6	7.8	7.5
COMMERCIAL				
Average bill, dollars:				
6 kW, 750 kWh	57	80	78	76
12 kW, 1,500 kWh	114	163	163	155
30 kW, 6,000 kWh	385	576	561	530
40 kW, 10,000 kWh	590	893	869	820
COMMERCIAL—Con.				
Average bill, cents per kWh:				
6 kW, 750 kWh	7.5	10.7	10.5	10.1
12 kW, 1,500 kWh	7.6	10.9	10.8	10.4
30 kW, 6,000 kWh	6.4	9.6	9.4	8.8
40 kW, 10,000 kWh	5.9	8.9	8.7	8.2
INDUSTRIAL				
Average bill, dollars:				
150 kW, 30,000 kWh	1,757	2,732	2,656	2,572
300 kW, 60,000 kWh	3,431	5,353	5,206	5,046
1,000 kW, 200,000 kWh	10,910	17,012	16,652	16,226
Average bill, cents per kWh:				
150 kW, 30,000 kWh	5.9	9.1	8.9	8.6
300 kW, 60,000 kWh	5.7	8.9	8.7	8.4
1,000 kW, 200,000 kWh	5.5	8.5	8.3	8.1

No. 778. Net Monthly Residential Electric Bills (Lowest and Highest) for 500 Kilowatt-Hours Use, 1970 to 1987, and by State, 1987

[In **dollars**. Based on rates as of **January 1** for communities of 2,500 inhabitants or more. Consumption for lighting, appliances, refrigeration and cooking. Does not include domestic water heating usage which in 1983 represented 19 percent of total U.S. households. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	Lowest bill	Highest bill
1970	5.00	25.00
1975	5.10	41.14
1980	5.84	64.47
1985	9.49	77.88
1986	8.90	79.37
1987, U.S.	**8.90**	**64.60**
Region:		
Northeast	10.53	59.74
Midwest	16.75	64.60
South	16.00	56.45
West	8.90	60.32
N. Eng.:		
ME	28.25	44.74
NH	37.44	52.61
VT	27.45	59.74
MA	31.34	53.62
RI	42.62	48.26
CT	35.15	53.56
Mid. Atl.:		
NY	10.53	55.64
NJ	41.80	55.52
PA	18.00	58.56
E. No. Cent.:		
OH	23.59	52.09
IN	27.31	54.65
IL	25.28	49.71
MI	20.50	50.55
WI	21.35	35.95
W. No. Cent.:		
MN	14.95	50.23
IA	22.00	52.11
MO	18.23	48.30
ND	20.62	42.07
SD	16.75	51.85
NE	23.30	41.22
KS	25.45	64.60
So. Atl.:		
DE	36.80	51.96
MD	31.21	44.84
DC	29.24	29.24
VA	26.63	40.25
WV	27.58	45.07
NC	31.54	51.98
SC	29.57	44.03
GA	16.00	48.23
FL	23.54	56.41
E. So. Cent.:		
KY	24.33	40.42
TN	25.50	32.10
AL	25.57	38.92
MS	25.67	46.77
W. So. Cent.:		
AR	22.33	50.58
LA	17.68	56.45
OK	28.00	54.86
TX	16.41	48.80
Mt.:		
MT	20.50	40.92
ID	19.40	28.36
WY	21.50	48.53
CO	17.00	44.25
NM	29.65	56.85
AZ	29.65	54.86
UT	23.72	47.82
NV	20.00	48.80
Pac.:		
WA	8.90	29.40
OR	14.40	27.40
CA	23.70	58.97
AK	36.00	58.56
HI	40.00	60.32

Source of tables 777 and 778: Through 1975, U.S. Federal Power Commission, *Typical Electric Bills*, annual; thereafter, U.S. Energy Information Administration, *Typical Electric Bills*, annual.

No. 779. Average Prices of Selected Fuels and Electricity: 1973 to 1987

[In dollars per unit, except electricity, in cents per kWh. Represents price to end-users, except as noted]

ITEM	Unit [1]	1973	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Crude oil, composite [2]	Barrel	4.15	10.38	17.72	28.07	35.24	31.87	28.99	28.63	26.75	14.55	17.91
Motor gasoline: [3]												
Leaded regular	Gallon	.39	.57	.86	1.19	1.31	1.22	1.16	1.13	1.12	.86	.90
Unleaded regular	Gallon	(NA)	(NA)	.90	1.25	1.38	1.30	1.24	1.21	1.20	.93	.95
Unleaded premium	Gallon	(NA)	(NA)	(NA)	(NA)	1.47	1.42	1.38	1.37	1.34	1.09	1.08
No. 2 heating oil	Gallon	(NA)	(NA)	.52	.79	.91	.91	.92	.92	.85	.56	.59
No. 2 diesel fuel	Gallon	(NA)	(NA)	.59	.82	1.00	.94	.83	.82	.79	.48	.55
Residual fuel oil	Gallon	(NA)	(NA)	.44	.61	.76	.68	.65	.69	.61	.34	.42
Natural gas, residential	1,000 cu. ft.	1.29	1.71	2.98	3.68	4.29	5.17	6.06	6.12	6.12	5.83	5.58
Electricity, residential	kWh	2.54	3.51	4.64	5.36	6.20	6.86	7.18	7.54	7.79	7.41	7.41

NA Not available. [1] See headnote. [2] Refiner acquisition cost. [3] Average, all service.

Source: U.S. Energy Information Administration, *Monthly Energy Review*.

No. 780. Sales Price of Motor Gasoline, by Grade and State: 1986 to 1988

[In cents per gallon. As of **March**. Represents all refinery and gas plant operators' sales through company-operated retail outlets. Gasoline prices exclude excise taxes]

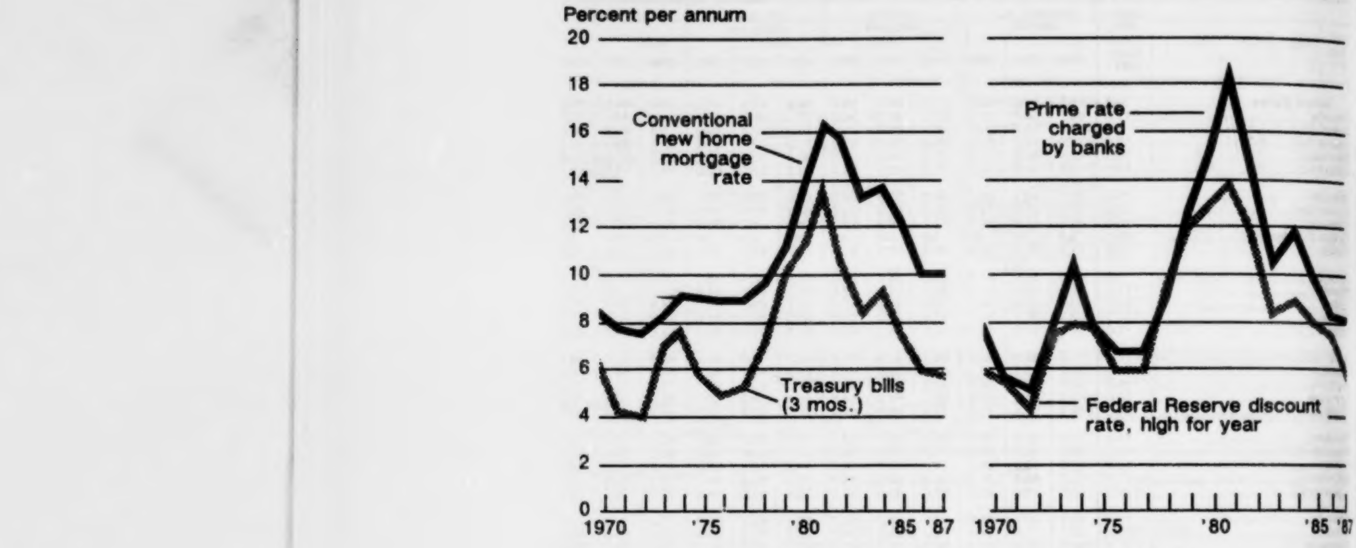
STATE	Gasoline excise taxes 1987 [1]	AVERAGE, ALL GRADES			LEADED REGULAR			UNLEADED REGULAR			PREMIUM		
		1986	1987	1988	1986	1987	1988	1986	1987	1988	1986	1987	1988
United States	**14.5**	**66.6**	**64.0**	**63.8**	**61.3**	**60.4**	**59.6**	**66.6**	**62.6**	**61.5**	**77.9**	**74.5**	**74.5**
Alabama	[2] 11.0	66.7	66.2	62.6	62.9	60.6	58.8	70.3	66.3	61.8	(NA)	75.3	70.8
Alaska	8.0	116.6	85.3	(NA)	116.7	89.0	(NA)	116.5	82.3	(NA)	(D)	91.3	96.0
Arizona	16.0	75.8	72.4	63.2	69.8	68.3	59.9	77.5	72.2	61.5	93.3	84.0	76.8
Arkansas	13.5	62.4	60.2	62.2	59.5	56.9	57.9	63.6	60.6	60.9	71.2	67.9	72.0
California	[2] 9.0	70.6	68.8	63.6	63.2	63.5	58.0	71.2	67.5	62.0	86.6	81.5	75.7
Colorado	18.0	58.6	62.2	60.2	54.6	57.5	57.6	60.6	63.6	59.8	66.5	72.4	69.4
Connecticut	19.0	82.5	68.6	72.0	70.5	61.5	64.6	82.1	65.9	68.8	91.7	77.0	80.0
Delaware	16.0	67.3	64.2	62.3	62.5	59.8	59.5	65.0	61.7	58.6	80.2	73.0	72.0
District of Columbia	15.5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Florida	[2] 4.0	71.9	62.5	65.8	63.5	56.8	61.4	71.7	61.0	62.4	84.0	74.6	74.8
Georgia	7.5	67.8	64.4	61.8	59.8	56.4	55.0	67.5	62.4	58.3	79.9	77.0	74.0
Hawaii	[2] 11.0	94.5	83.6	87.4	86.2	74.4	79.5	97.3	86.0	84.6	107.2	(D)	99.3
Idaho	14.5	70.0	62.6	64.7	68.8	60.8	63.8	70.7	62.8	64.0	94.9	80.7	77.3
Illinois	[2] 13.0	63.9	66.1	64.1	58.8	67.4	61.0	63.5	62.7	61.0	68.8	75.2	75.5
Indiana	14.0	57.6	61.5	61.2	54.8	58.9	60.8	57.2	61.0	59.1	62.6	66.7	66.5
Iowa	16.0	61.5	63.8	62.3	60.1	61.9	61.2	61.9	64.9	61.9	66.1	67.3	69.6
Kansas	11.0	62.2	62.7	63.1	61.4	60.6	61.9	61.4	62.7	62.8	65.9	69.1	70.4
Kentucky	15.0	63.0	63.4	62.9	56.6	58.9	59.5	64.3	62.2	60.7	72.4	73.2	71.8
Louisiana	16.0	69.4	61.3	60.6	62.1	56.3	54.8	68.6	59.3	57.4	80.5	70.3	70.9
Maine	14.0	79.1	71.4	71.6	75.0	66.5	68.2	78.5	69.8	69.7	89.7	81.4	81.3
Maryland	18.5	72.3	65.3	66.7	67.8	60.7	63.7	71.0	63.2	63.4	82.7	73.8	74.0
Massachusetts	11.0	79.1	(NA)	74.5	71.7	59.8	64.9	77.1	(NA)	70.4	90.1	76.9	83.6
Michigan	15.0	62.0	59.9	60.2	57.8	57.6	59.8	62.3	58.9	58.2	71.7	70.6	68.5
Minnesota	17.0	67.3	62.9	65.0	64.0	60.5	63.8	68.8	63.3	64.7	72.4	68.6	70.4
Mississippi	[2] 15.0	68.0	67.6	65.3	62.9	63.0	59.1	68.8	67.9	64.3	79.0	75.5	73.8
Missouri	11.0	59.7	62.6	61.6	57.1	59.7	58.2	60.4	62.3	60.1	71.2	71.9	72.1
Montana	20.0	63.1	61.9	64.8	63.2	61.5	64.4	62.7	61.9	64.9	64.4	64.6	66.1
Nebraska	17.6	62.5	67.7	62.1	60.8	67.4	61.3	63.4	66.9	62.1	65.4	66.7	65.6
Nevada	[2] 14.3	73.4	61.4	59.4	68.6	57.8	55.9	75.7	62.1	58.7	87.1	71.4	69.9
New Hampshire	14.0	80.0	70.1	72.1	73.8	64.3	65.5	79.0	67.8	68.6	89.8	79.6	83.8
New Jersey	8.0	77.6	65.7	71.7	70.1	58.8	63.8	74.4	61.6	66.1	88.0	76.1	82.9
New Mexico	14.0	74.4	64.6	66.6	72.9	61.0	64.8	74.7	65.3	66.4	87.3	74.4	75.8
New York	[2] 8.0	73.3	65.9	68.9	68.8	61.9	65.1	72.1	63.5	65.2	85.7	76.0	79.2
North Carolina	15.5	64.6	64.5	64.2	57.1	58.0	57.1	64.3	63.0	61.5	77.8	74.7	75.0
North Dakota	17.0	70.9	66.6	66.8	73.7	66.0	66.6	70.7	67.1	66.8	64.6	70.0	70.0
Ohio	14.7	62.3	65.7	62.6	56.3	60.7	58.5	61.5	63.6	59.5	77.8	78.6	76.1
Oklahoma	16.0	54.3	61.3	60.4	52.0	58.4	58.1	54.6	60.8	59.6	60.9	69.0	67.7
Oregon	[2] 12.0	71.6	60.1	64.3	68.4	57.6	61.5	73.4	60.3	63.8	84.2	72.4	77.0
Pennsylvania	12.0	68.3	62.6	62.8	64.7	58.2	59.0	66.7	59.9	58.7	79.7	74.7	74.6
Rhode Island	13.0	74.9	68.1	69.5	68.8	61.0	62.5	72.5	64.6	65.3	82.1	74.6	79.8
South Carolina	15.0	60.6	63.0	64.0	54.6	57.6	57.9	60.9	62.5	62.0	71.8	73.0	75.7
South Dakota	[2] 13.0	69.8	63.5	62.7	68.4	63.8	62.9	70.8	63.0	62.4	77.2	74.3	69.3
Tennessee	[2] 17.0	64.3	61.6	59.8	57.5	56.1	54.3	65.5	60.5	57.8	76.3	72.3	71.2
Texas	15.0	68.7	62.0	63.0	62.6	58.0	57.7	67.9	60.5	61.2	81.6	72.1	73.3
Utah	19.0	58.8	61.7	64.0	57.5	58.7	62.1	59.3	62.0	63.6	65.7	70.4	71.7
Vermont	13.0	79.7	73.8	76.3	73.3	67.0	70.9	79.8	72.1	73.4	90.2	84.1	87.3
Virginia	[2] 17.5	75.1	65.5	68.1	67.3	59.2	61.3	75.4	62.8	66.0	86.1	76.7	77.3
Washington	18.0	67.3	61.4	65.0	61.9	57.7	61.4	69.3	61.1	63.5	80.9	73.3	75.9
West Virginia	10.5	70.1	68.5	69.8	65.1	63.7	65.6	69.9	67.3	67.2	83.0	78.1	79.7
Wisconsin	20.0	62.0	62.2	60.3	60.6	60.3	59.8	61.9	61.6	58.7	71.3	70.6	68.0
Wyoming	8.0	75.1	66.2	64.7	70.8	65.1	63.2	70.8	65.5	65.2	(D)	79.0	71.4

D Withheld to avoid disclosure of data. NA Not available. X Not applicable. [1] Source: U.S. Advisory Committee on Intergovernmental Relations, *Significant Features of Fiscal Federalism*, 1988 Edition, Vol. I, based on CCH, *State Tax Reporter*. [2] Plus local taxes, if any.

Source: Except as noted, U.S. Energy Information Administration, *Petroleum Marketing Monthly*, March 1988.

Figure 16.1

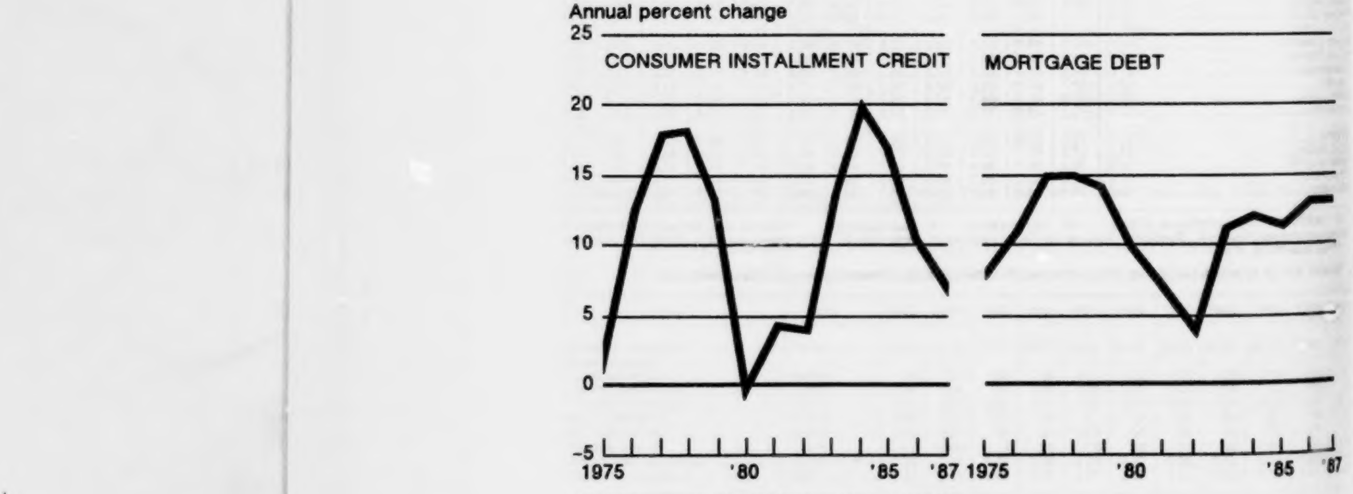
Interest Rates: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 823.

Figure 16.2

Consumer Installment Credit, Outstanding and Mortgage Debt Outstanding-Annual Percent Changes: 1975 to 1987



Note: Represents change in amounts outstanding.

Source: Chart prepared by U.S. Bureau of the Census. For data see tables 808 and 814

Section 16

Banking, Finance, and Insurance

This section presents data on the Nation's finances, various types of financial institutions, money and credit, securities, and insurance. The primary sources of these data are publications of several departments of the Federal Government, especially the Treasury Department, and independent agencies such as the Federal Deposit Insurance Corporation, the Federal Reserve System, and the Securities and Exchange Commission. National data on insurance are available primarily from private organizations, such as the American Council of Life Insurance.

Flow of funds.—The flow of funds accounts of the Federal Reserve System (see tables 784 to 788) bring together statistics on all of the major forms of financial transactions and financial claims to present an economy-wide view of asset and liability relationships. In flow form, the accounts relate borrowing and lending to one another and to the nonfinancial activities that generate income and production. Each claim outstanding is included simultaneously as an asset of the lender and as a liability of the debtor. The accounts also indicate the balance between asset totals and liability totals over the economy as a whole. Several publications of the Board of Governors of the Federal Reserve System contain information on the flow of funds accounts: Summary data on flows, in the *Federal Reserve Bulletin, Flow of Funds Accounts* (quarterly), and *Annual Statistical Digest;* and concepts and organization of the accounts, in *Introduction to Flow of Funds* (June 1980).

Banking system.—Banks in this country are organized under the laws of both the States and the Federal Government and are regulated by several bank supervisory agencies. State-chartered banks are supervised by officials of the respective States. National banks are supervised by the Comptroller of the Currency. *Reports of Condition* have been collected from national banks since 1863. Summaries of these reports are published in the Comptroller's *Annual Report,* which also presents data on the structure of the national banking system.

The Federal Reserve System was established in 1913 to exercise central banking functions, some of which are shared with the U.S. Treasury. It includes national banks and such State banks as voluntarily join the System. Statements of State bank members are consolidated by the Board of Governors of the Federal Reserve System with data for national banks collected by the Comptroller of the Currency into totals for all member banks of the System. Balance sheet data for member banks and other commercial banks are published quarterly in the *Federal Reserve Bulletin.*

The Federal Deposit Insurance Corporation (FDIC), established in 1933, insures each depositor up to $100,000 currently in banks that are members of the Federal Reserve System and in such nonmember banks as join the insurance fund. Major item balance sheets for all commercial banks are published monthly in the *Federal Reserve Bulletin.*

Savings institutions and other credit agencies.—Savings institutions, insurance companies, finance companies dealing primarily in installment sales financing, credit unions, and personal loan companies represent important sources of funds for the credit market. Savings institutions are primarily involved in credit extension in the form of mortgage loans. Statistics on savings institutions are collected by the Federal Home Loan Bank Board. Statistics on loans, investments, cash, etc., of life insurance companies are published principally by the American Council of Life Insurance in its *Life Insurance Fact Book.* Consumer credit data are published currently in the *Federal Reserve Bulletin.*

Federally chartered credit unions are under the supervision of the National Credit Union Administration, established in 1970. State-chartered credit unions are supervised by the respective State supervisory authorities. The Administration publishes comprehensive program and statistical information on all Federal and federally insured State credit unions in the *Annual Report of the National Credit Union Administration.* Deposit insurance (up to $100,000 per account) is provided to members of all Federal and those State credit unions that are federally-insured by the National Credit Union Share Insurance Fund which was established in 1970. Deposit insurance for State chartered credit unions is also available in some States under private or State-administered insurance programs.

Government corporations and credit agencies make available credit of specified types or to specified groups of private borrowers, either by lending directly or by insuring or guaranteeing loans made by private lending institutions. Data on operations of Government credit agencies, along with other Government corporations, are available in reports of individual agencies; data on their debt outstanding are published in the *Federal Reserve Bulletin.*

Currency.—Currency, including coin and paper money, represents more than one-fourth of all media of exchange in the United States, with most payments made by check. All currency is now issued by the Federal Reserve Banks.

Securities.—The Securities and Exchange Commission (SEC) was established in 1934 to protect the interests of the public and investors against malpractices in the securities and financial markets and to provide the fullest possible disclosure of information regarding securities to the investing public.

Insurance.—Insuring companies, which are regulated by the various States or the District of Columbia, are classified as either life or property. Companies that underwrite accident and health insurance only and those that underwrite accident and health insurance in addition to one or more property lines are included with property insurance. Insuring companies, other than those classified as life, are permitted to underwrite one or more property lines provided they are so licensed and have the necessary capital or surplus.

There are a number of published sources for statistics on the various classes of insurance—life, health, fire, marine, and casualty. Individual States collect data on all insurers operating within their respective jurisdictions, and many of the States publish an annual insurance report giving individual company data and aggregates of certain items for the companies operating within the State. Organizations representing certain classes of insurers publish reports for these classes. Among them are the annual commercial publishers, such as The National Underwriter Company whose *Argus Health Chart* (annual) contains financial and operating data for individual health and accident insurance companies, including Blue Cross and Blue Shield Plans. The American Council of Life Insurance publishes statistics on life insurance purchases, ownership, benefit payments, and assets in its biennial *Life Insurance Fact Book.*

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

NO. 781. GROSS NATIONAL PRODUCT IN FINANCE, INSURANCE, AND REAL ESTATE IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1987

[**In billions of dollars, except percent.** For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS										
Finance, insurance, real estate, total	**145.8**	**221.7**	**400.6**	**449.3**	**475.1**	**536.4**	**572.8**	**639.5**	**708.6**	**775.4**
Percent of gross national product	14.4	13.9	14.7	14.7	15.0	15.8	15.2	15.9	16.7	17.1
Banking	18.4	25.8	51.1	54.4	59.8	68.1	70.6	78.2	80.6	84.9
Credit agencies other than banks	1.7	3.3	5.5	6.5	5.4	10.6	9.8	11.6	16.4	17.0
Security and commodity brokers, and services	3.3	5.0	9.7	11.4	13.1	20.7	19.7	24.1	31.6	38.7
Insurance carriers	11.6	17.2	37.0	34.7	29.8	36.5	34.9	44.2	61.1	72.7
Insurance agents and brokers, and services	4.8	7.8	14.4	15.5	17.0	17.6	20.1	22.4	25.5	28.7
Real estate	105.4	161.8	281.5	318.7	342.7	374.2	409.1	446.7	479.4	519.3
Holding and other investment companies	.6	.7	1.3	8.1	7.2	8.7	8.5	12.3	14.0	18.2
CONSTANT (1982) DOLLARS										
Finance, insurance, real estate, total	**320.7**	**387.6**	**464.3**	**474.2**	**475.1**	**489.0**	**506.6**	**524.3**	**537.6**	**558.4**
Percent of gross national product	13.3	14.4	14.6	14.6	15.0	14.9	14.5	14.5	14.4	14.5
Banking	38.2	46.4	56.7	58.9	59.8	60.5	61.0	61.9	62.9	63.2
Credit agencies other than banks	3.4	4.1	5.2	5.4	5.4	6.0	6.6	7.0	7.8	8.3
Security and commodity brokers, and services	9.1	7.9	10.7	12.1	13.1	14.9	16.1	18.9	18.6	21.3
Insurance carriers	21.3	25.3	28.6	28.9	29.8	30.1	31.5	33.5	35.8	37.0
Insurance agents and brokers, and services	13.7	16.0	17.3	17.1	17.0	17.4	17.9	20.0	21.9	23.9
Real estate	232.2	283.4	339.6	345.3	342.7	352.7	365.3	376.0	380.8	384.8
Holding and other investment companies	2.8	4.5	6.3	6.5	7.2	7.4	8.2	9.0	9.8	10.9

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82,* and *Survey of Current Business,* July issues.

No. 782. PERSONS WORKING IN FINANCE, INSURANCE, AND REAL ESTATE INDUSTRIES: 1970 TO 1987

[In thousands. Data represent worker-years of full-time equivalent employment by persons working for wages or salaries and number of active partners and proprietors of unincorporated businesses who devote a majority of their working hours to their unincorporated businesses. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Finance, insurance, real estate, total	**3,749**	**4,405**	**5,481**	**5,622**	**5,725**	**5,909**	**6,137**	**6,363**	**6,651**	**6,947**
Average annual percent change [1]	4.0	3.3	4.5	2.6	1.8	3.2	3.9	3.7	4.5	4.5
Banking	1,010	1,225	1,497	1,554	1,580	1,586	1,600	1,625	1,650	1,657
Credit agencies other than banks	350	426	546	563	564	620	686	734	808	867
Security and commodity brokers, and services	219	192	259	292	317	360	390	409	451	516
Insurance carriers	986	1,053	1,225	1,238	1,236	1,236	1,249	1,276	1,337	1,379
Insurance agents and brokers, and services	355	440	553	596	623	628	655	685	719	744
Real estate	777	987	1,286	1,259	1,273	1,344	1,407	1,469	1,506	1,584
Holding and other investment companies	52	82	115	120	132	135	150	165	180	200

[1] For explanation of average annual percent change, see Guide to Tabular Presentation. For 1970, change from 1965.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July issues.

No. 783. FINANCE, INSURANCE, AND REAL ESTATE—ESTABLISHMENTS, EMPLOYEES, AND PAYROLL: 1980 TO 1986

[Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III]

SIC [1] code	INDUSTRY	ESTABLISHMENTS 1980	ESTABLISHMENTS 1985	ESTABLISHMENTS 1986	EMPLOYEES (1,000) 1980	EMPLOYEES (1,000) 1985	EMPLOYEES (1,000) 1986	Payroll, 1986 (bil. dol.)
(H)	**Finance, insurance, real estate**	**420,976**	**487,750**	**504,052**	**5,295**	**6,004**	**6,371**	**151**
60	Banking [2]	46,184	52,215	54,759	1,508	1,588	1,640	33
601	Federal reserve banks	50	86	85	21	24	25	1
602	Commercial and stock savings banks	41,906	47,174	49,448	1,380	1,451	1,498	30
603	Mutual savings banks	2,223	2,476	2,597	59	67	72	1
605	Functions closely related to banking	1,630	2,177	2,332	28	40	38	1
61	Credit agencies other than banks [2]	60,339	61,145	62,347	588	743	813	18
612	Savings and loan associations	15,065	17,766	17,963	235	322	337	6
613	Agricultural credit institutions	1,360	1,305	993	16	16	16	(Z)
614	Personal credit institutions	36,133	29,923	29,779	218	217	236	4
615	Business credit institutions	2,416	2,933	3,033	50	73	82	2
616	Mortgage bankers and brokers	4,652	8,419	9,717	63	105	132	4
62	Security, commodity brokers and services [2]	11,279	18,843	19,968	215	338	377	21
621	Security brokers and dealers	7,611	11,703	12,283	174	269	300	18
622	Commodity contracts brokers, dealers	863	1,020	916	9	14	13	(Z)
623	Security and commodity exchanges	110	124	113	6	7	7	(Z)
628	Security and commodity services	2,493	5,148	5,730	24	45	53	2
63	Insurance carriers [2]	33,167	34,630	35,304	1,237	1,253	1,313	32
631	Life insurance	15,615	14,871	14,839	563	565	576	14
632	Medical service and health insurance [2]	1,576	1,917	1,934	125	145	164	4
321	Accident and health insurance	845	1,093	1,086	27	35	42	1
324	Hospital and medical service plans	725	815	840	97	109	120	3
633	Fire, marine, and casualty insurance	9,236	10,625	10,475	449	453	475	12
635	Surety insurance	450	495	471	8	9	9	(Z)
636	Title insurance	2,714	2,721	2,713	51	49	52	1
637	Pension, health, and welfare funds	3,157	3,160	3,914	33	22	26	(Z)
64	Insurance agents, brokers and services	78,833	96,282	99,039	463	553	597	14
65	Real estate [2]	169,952	198,460	205,597	989	1,145	1,220	22
651	Real estate operators and lessors	94,750	98,813	98,329	462	470	481	7
653	Real estate agents and managers	50,998	69,049	74,081	362	492	526	11
654	Title abstract offices	2,695	3,019	3,211	21	21	25	1
655	Subdividers and developers [2]	13,029	17,511	18,824	111	130	146	3
552	Subdividers and developers, n.e.c. [3]	7,581	10,108	10,609	72	87	97	2
553	Cemetery subdividers and developers	4,292	4,526	4,589	33	33	34	1
66	Combined real estate, insurance, etc	6,426	4,973	4,695	30	24	25	(Z)
67	Holding and other investment offices [2]	13,135	19,258	20,246	139	193	210	6
671	Holding offices	3,605	5,664	5,887	63	97	108	4
672	Investment offices	764	803	750	7	8	9	(Z)
673	Trusts	4,240	6,280	7,107	40	46	48	1
679	Miscellaneous investing	3,701	5,950	5,862	25	41	42	1
	Administrative and auxiliary	1,661	1,944	2,097	125	167	175	4

Z Less than $500 million. [1] Standard Industrial Classification; see text, section 13. [2] Includes industries not shown eparately. [3] N.e.c.—Not elsewhere classified.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 784. Flow of Funds Accounts—Financial Assets and Liabilities of Financial and Nonfinancial Institutions, by Sector and Type of Instrument: 1987

[In billions of dollars. As of Dec. 31. Preliminary. A=Assets; L=Liabilities, SDR=Special drawing rights, IMF=International Monetary Fund. RPs=Repurchase Agreements. "N.e.c."=Not elsewhere classified]

TYPE OF INSTRUMENT	ALL SECTORS, TOTAL [1]		PRIVATE DOMESTIC NONFINANCIAL INSTITUTIONS								U.S. GOVERNMENT		FINANCIAL INSTITUTIONS									
			Total		Households [2]		Business		State and local govts.				Total		Monetary authority		Commercial banking		Non-bank finance		Federally sponsored credit agencies and mortgage pools	
	A	L	A	L	A	L	A	L	A	L	A	L	A	L	A	L	A	L	A	L	A	L
Total	**25,350**	**19,987**	**13,834**	**7,249**	**11,512**	**2,904**	**1,791**	**3,765**	**531**	**580**	**331**	**2,218**	**10,066**	**9,851**	**286**	**286**	**2,743**	**2,721**	**5,990**	**5,804**	**1,047**	**1,040**
Gold stock and SDR's	21	-	-	-	-	-	-	-	-	-	10	-	11	-	11	-	-	-	-	-	-	-
IMF position	11	11	-	-	-	-	-	-	-	-	11	-	(z)	-	(z)	-	-	-	-	-	-	-
Official foreign exchange	13	13	-	-	-	-	-	-	-	-	7	-	6	-	6	-	-	-	-	-	-	-
Treasury currency, SDR certificates	23	19	-	-	-	-	-	-	-	-	-	19	23	-	23	-	-	-	-	-	-	-
Checkable deposits, currency	778	839	670	-	521	-	130	-	19	-	21	-	64	839	-	211	3	543	60	85	2	-
Time and savings accounts	2,585	2,585	2,367	-	2,188	-	139	-	60	-	2	-	155	2,585	-	-	-	1,373	155	1,213	-	-
Fed. funds and security RP's	269	301	133	-	-	-	62	-	71	-	-	-	137	301	-	-	-	217	106	85	31	-
Money market fund shares	316	316	298	-	284	-	13	-	-	-	-	-	19	316	-	-	-	-	19	316	-	-
Mutual fund shares [3]	453	453	409	-	396	-	13	-	-	-	-	-	44	453	-	-	-	-	44	453	-	-
Foreign deposits	44	44	22	-	-	-	22	-	-	-	-	-	22	-	-	-	-	-	22	-	-	-
Life insurance reserves	290	290	290	-	290	-	-	-	-	-	-	11	-	279	-	-	-	-	-	279	-	-
Pension fund reserves	2,235	2,235	2,235	-	2,235	-	-	-	-	-	-	190	-	2,048	-	-	-	-	-	2,048	-	-
Interbank claims	69	52	-	-	-	-	-	-	-	-	-	-	71	52	5	67	67	−15	-	-	-	-
Corporate equities [4]	2,906	-	1,755	-	1,755	-	-	-	-	-	-	-	974	-	-	-	(z)	-	974	-	-	-
Credit market instruments [5]	10,332	10,332	1,804	6,322	1,233	2,810	213	2,958	358	554	236	1,959	7,752	1,807	231	-	2,310	187	4,212	642	999	979
U.S. Treasury securities [6]	1,954	1,954	767	-	519	-	86	-	162	-	-	1,954	892	-	223	-	201	-	452	-	16	-
Federal agency securities [7]	979	979	175	-	81	-	1	-	93	-	-	5	776	974	9	-	143	-	624	-	-	974
Tax-exempt securities	724	724	304	724	286	79	11	116	8	529	-	-	420	-	-	-	174	-	246	-	-	-
Corporate and foreign bonds	1,180	1,180	119	764	119	-	-	784	-	-	-	-	904	336	-	-	71	77	832	259	-	-
Mortgages	2,885	2,885	241	2,882	148	1,896	-	986	95	-	49	(z)	2,595	3	-	-	591	-	1,190	3	814	-
Consumer credit	701	701	42	701	-	701	42	-	-	-	-	-	659	-	-	-	335	-	324	-	-	-
Bank loans, n.e.c.	721	721	-	665	-	48	-	617	-	-	-	-	721	33	-	-	721	-	-	33	-	-
Open-market paper	439	439	157	74	83	-	74	74	-	-	-	-	271	324	-	-	13	110	258	214	(z)	-
Security credit	105	105	33	46	33	46	-	-	-	-	-	-	72	59	-	-	34	-	37	59	-	-
Proprietors' equity	2,393	-	2,393	-	2,393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trade credit [8]	798	656	703	605	-	33	703	546	-	25	32	39	34	-	-	-	-	-	34	-	-	-
Taxes payable	16	14	23	11	-	-	-	11	23	-	−7	-	-	2	-	-	-	(z)	-	2	-	-
Miscellaneous claims	1,694	1,722	681	265	184	15	496	250	-	-	18	1	684	1,112	10	8	330	416	329	626	15	62

- Represents zero. Z Less than $500 million. [1] Includes "rest of world", not shown separately. [2] Includes personal trusts and nonprofit organizations. [3] Nonbank finance liability is redemption value of shares of open-end investment companies. [4] Assets shown at market value. No specific liability attributed to issuers of stocks other than open-end investment companies for amounts outstanding. [5] Includes "Other loans," not shown separately. [6] Includes savings bonds and other nonmarketable debt held by public. [7] Issues by agencies in the budget and by sponsored credit agencies in financial sectors, issues backed by mortgage pools, and loan participation certificates. [8] Asset is corporate only; noncorporate credit deducted in liability total to conform to quarterly flow tables.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest.*

No. 785. FLOW OF FUNDS ACCOUNTS—FINANCIAL ASSETS OF FINANCIAL AND NONFINANCIAL INSTITUTIONS, BY HOLDER SECTOR: 1970 TO 1987

[In billions of dollars. As of Dec. 31. See also *Historical Statistics, Colonial Times to 1970*, series X 192, X 229, X 821, and X 835]

SECTOR	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
All sectors	**4,850**	**7,058**	**13,026**	**14,167**	**15,358**	**17,020**	**18,745**	**21,265**	**23,801**	**25,350**
Households [1]	2,494	3,518	6,567	7,122	7,719	8,473	9,118	10,188	11,063	11,512
Nonfinancial business	417	618	1,101	1,195	1,226	1,345	1,470	1,594	1,718	1,791
Farm	11	15	24	26	28	29	31	34	36	39
Nonfarm noncorporate	35	44	64	70	74	74	86	102	110	76
Nonfinancial corporations	370	559	1,013	1,099	1,124	1,242	1,352	1,459	1,571	1,676
U.S. Government	90	122	224	246	268	281	313	348	357	331
U.S. Government-sponsored credit agencies and mortgage pools	52	122	309	362	434	502	588	695	880	1,047
State and local government	72	129	216	224	244	282	328	440	498	531
Monetary authorities	86	125	174	182	194	204	219	243	275	286
Commercial banking [2]	517	886	1,482	1,613	1,724	1,874	2,106	2,345	2,598	2,743
Domestic commercial banks	489	792	1,266	1,365	1,472	1,603	1,801	1,994	2,172	2,262
Foreign banking offices in U.S	9	29	101	125	111	113	126	147	187	231
Nonbank finance	825	1,356	2,549	2,825	3,145	3,572	4,038	4,708	5,491	5,990
Savings and loan associations [3]	173	333	622	658	708	830	990	1,072	1,156	1,263
Life insurance	201	260	464	508	568	633	693	796	906	1,000
Other insurance	50	77	174	186	203	225	241	291	346	387
Private pension funds	112	225	470	487	567	669	695	838	939	986
Govt. retirement funds [4]	60	105	198	224	263	311	357	405	469	509
Finance companies	64	99	202	227	237	264	302	354	412	449
Money market funds	-	4	76	186	220	179	234	244	292	316
Mutual savings banks [5]	79	121	172	175	174	194	205	219	239	263
Investment companies	47	43	62	60	77	112	137	240	414	453
Credit unions	18	37	69	72	83	98	113	137	166	184
Security brokers, dealers	16	19	36	39	43	48	52	76	78	66
CMO [6] Issuers	-	-	-	-	(z)	4	16	29	66	104
Real estate investment trusts	4	14	3	3	4	4	6	8	9	12
Rest of the world	99	184	405	399	403	487	566	704	922	1,119

- Represents zero. Z Less than $500 million. [1] Includes personal trusts and nonprofit organizations. [2] Includes other sectors not shown separately. [3] See footnote 2, table 787. [4] State and local. [5] Includes Federal savings banks insured by Federal Deposit Insurance Corporation and a few insured by Federal Savings and Loan Insurance Corporation. [6] Collateralized mortgage obligations.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

No. 786. FLOW OF FUNDS ACCOUNTS—ASSETS AND LIABILITIES OF HOUSEHOLDS: 1970 TO 1987

[As of **December 31.** Includes personal trusts and nonprofit organizations. See also *Historical Statistics, Colonial Times to 1970*, series X 114-147]

TYPE OF INSTRUMENT	TOTAL (bil. dol.)							PERCENT DISTRIBUTION		
	1970	1975	1980	1984	1985	1986	1987	1970	1980	1987
Total financial assets	**2,494**	**3,518**	**6,567**	**9,118**	**10,188**	**11,063**	**11,512**	**100.0**	**100.0**	**100.0**
Deposit and market instrument [1]	793	1,270	2,160	3,353	3,690	3,945	4,226	31.8	32.9	36.7
Checkable deposits and currency	118	168	272	368	407	507	521	4.7	4.1	4.5
Small time and savings deposits	410	721	1,141	1,686	1,830	1,946	2,021	16.4	17.4	17.6
Money market fund shares	-	4	65	202	215	257	284	–	1.0	2.5
Large time deposits	16	44	131	180	165	149	167	.7	2.0	1.5
Credit market instruments	248	334	551	917	1,074	1,086	1,233	10.1	8.4	10.7
U.S. Government securities	103	131	247	495	552	552	600	4.1	3.8	5.2
Treasury issues	83	119	206	443	474	485	519	3.3	3.1	4.5
Savings bonds	52	67	73	75	80	93	101	2.1	1.1	.9
Other Treasury	31	52	133	368	394	392	418	1.2	2.0	3.6
Agency issues	20	12	41	52	78	66	81	.8	.6	.7
Tax-exempt obligations	46	68	88	192	240	232	286	1.8	1.3	2.5
Corporate and foreign bonds	36	67	59	48	61	96	119	1.4	.9	1.0
Mortgages	52	58	117	151	151	147	146	2.1	1.8	1.3
Open-market paper	12	9	41	30	70	60	83	.5	.6	.7
Mutual fund shares	45	39	52	118	203	366	396	1.9	.8	3.4
Corporate equities	683	599	1,112	1,321	1,687	1,845	1,755	27.4	16.9	15.2
Life insurance reserves	131	167	216	246	257	274	290	5.2	3.3	2.5
Pension fund reserves [2]	241	444	916	1,513	1,791	2,054	2,235	9.7	14.0	19.4
Equity in noncorporate business	572	955	2,023	2,433	2,398	2,380	2,393	22.9	30.8	20.8
Security credit	4	5	15	18	31	39	33	.2	.2	.3
Miscellaneous assets	26	41	72	117	131	160	184	1.1	1.1	1.6
Total liabilities	**501**	**791**	**1,507**	**2,150**	**2,455**	**2,739**	**2,904**	**100.0**	**100.0**	**100.0**
Credit market instruments	480	762	1,450	2,074	2,360	2,635	2,810	95.8	96.2	96.8
Mortgages	309	495	975	1,344	1,495	1,693	1,896	61.7	64.7	65.3
Installment consumer credit	106	169	300	453	531	586	624	21.1	19.9	21.5
Other consumer credit	38	51	74	109	126	137	77	7.5	4.9	2.7
Tax-exempt debt	-	3	17	51	81	79	79	–	1.1	2.7
Bank loans, not elsewhere classified	7	14	30	37	44	52	48	1.4	2.0	1.6
Other loans	21	32	55	79	83	88	87	4.2	3.6	3.0
Security credit	10	12	27	35	51	60	46	2.1	1.8	1.6
Trade credit	5	9	17	26	28	31	33	1.1	1.1	1.2
Unpaid life insurance premiums [3]	5	8	13	15	15	14	15	1.0	.9	.5

- Represents zero. [1] Excludes corporate equities. [2] See also table 581. [3] Includes deferred premiums.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

No. 787. Flow of Funds Accounts—Assets and Liabilities of Private Nonbank Financial Institutions, by Type of Instrument: 1987

[In billions of dollars. As of Dec. 31. Preliminary. A=Assets; L=Liabilities; "N.e.c."=Not elsewhere classified; RP's=Repurchase agreements]

TYPE OF INSTRUMENT	TOTAL[1]		SAVINGS AND LOAN ASSOCIATIONS[2]		LIFE INSURANCE COMPANIES		PRIVATE PENSION FUNDS		STATE AND LOCAL GOVERNMENT RETIREMENT FUNDS		INVESTMENT COMPANIES	
	A	L	A	L	A	L	A	L	A	L	A	L
Total	**5,990**	**5,804**	**1,263**	**1,218**	**1,000**	**951**	**986**	**986**	**509**	**509**	**453**	**453**
Checkable deposits	60	85	15	41	5	-	9	-	2	-	7	-
Time and savings accounts	155	1,213	7	887	-	-	70	-	19	-	-	-
Federal funds, security RP's	106	85	27	85	-	-	-	-	-	-	-	-
Money market fund shares	19	316	-	-	7	-	12	-	-	-	-	-
Foreign deposits	22	-	-	-	-	-	-	-	-	-	-	-
Reserves:												
Life insurance	-	279	-	-	-	279	-	-	-	-	-	-
Pension fund	-	2,046	-	-	-	552	-	986	-	509	-	-
Mutual fund shares	44	453	-	-	15	-	29	-	-	-	-	453
Corporate equities	974	-	-	-	78	-	461	-	173	-	174	-
Credit market instruments	4,212	642	1,069	181	812	-	346	-	315	-	272	-
Securities:												
U.S. Treasury	452	-	21	-	65	-	67	-	107	-	99	-
Federal agency	624	-	198	-	65	-	56	-	56	-	35	-
Tax-exempt	246	-	1	-	12	-	-	-	1	-	71	-
Corporate and foreign bonds	832	259	38	16	376	-	147	-	136	-	54	-
Mortgages	1,190	3	708	-	212	-	8	-	15	-	-	-
Consumer credit	324	-	56	-	-	-	-	-	-	-	-	-
Bank loans, n.e.c	-	33	-	32	-	-	-	-	-	-	-	-
Open market paper	258	214	23	-	30	-	69	-	-	-	13	-
Other loans	285	133	24	133	53	-	-	-	-	-	-	-
Security credit	37	59	-	-	-	-	-	-	-	-	-	-
Trade credit	34	-	-	-	-	-	-	-	-	-	-	-
Taxes payable	-	2	-	-	-	1	-	-	-	-	-	-
Miscellaneous	329	626	144	25	84	120	60	-	-	-	-	-

- Represents or rounds to zero. [1] Includes other institutions, not shown separately. [2] Includes most Federal savings banks insured by FSLIC. A few of them are included with mutual savings banks, not shown separately.

No. 788. Flow of Funds Accounts—Credit Market Debt Outstanding: 1970 to 1987

[In billions of dollars; except percent. As of Dec. 31. "N.e.c."=Not elsewhere classified]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Credit market debt	**1,604**	**2,624**	**4,682**	**5,183**	**5,844**	**6,314**	**7,225**	**8,279**	**9,405**	**10,332**
Government	450	667	1,038	1,132	1,315	1,536	1,762	2,077	2,336	2,513
Federal	301	446	743	830	991	1,178	1,377	1,600	1,815	1,959
State and local	149	220	295	302	324	358	385	477	520	554
Non-government	1,154	1,958	3,644	4,051	4,328	4,778	5,463	6,202	7,069	7,818
Financial[1]	120	261	563	665	758	858	1,009	1,210	1,512	1,807
Sponsored credit agencies[2]	39	80	163	195	210	212	242	264	279	308
Mortgage pools	5	29	114	129	179	245	289	369	532	670
Commercial banks[3]	13	42	91	112	131	148	171	180	177	187
Savings and loan associations	11	19	58	73	76	74	93	116	145	181
Finance companies	52	82	137	156	163	176	198	253	316	357
Foreign	52	95	197	221	210	228	236	237	238	243
Private domestic nonfinancial	981	1,602	2,884	3,165	3,360	3,693	4,219	4,755	5,319	5,768
Corporations[1]	354	545	912	1,018	1,088	1,151	1,347	1,519	1,709	1,867
Bonds	167	261	412	448	482	507	574	670	781	880
Mortgages	59	66	81	79	77	81	81	82	84	87
Bank loans, n.e.c	104	169	292	326	363	381	445	482	538	551
Nonbank finance loans	14	32	79	89	91	102	130	152	169	199
Individuals	628	1,057	1,972	2,147	2,272	2,542	2,872	3,236	3,610	3,902
By sector:										
Households[4]	480	762	1,450	1,575	1,657	1,845	2,074	2,380	2,635	2,810
Farm	47	82	160	176	183	187	187	173	158	145
Nonfarm noncorporate	100	213	362	396	432	510	611	703	818	946
By type of instrument:										
Mortgages	410	717	1,366	1,477	1,552	1,732	1,951	2,185	2,480	2,795
Consumer credit	143	220	374	396	416	472	563	657	723	701
Policy loans	17	26	43	50	54	55	56	56	55	55
Bank loans, n.e.c	30	47	75	88	101	109	108	110	117	114
Other loans	28	45	98	115	121	133	144	147	155	158
Tax-exempt debt	-	3	17	21	30	41	51	81	79	79
ANNUAL PERCENT CHANGE[5]										
Credit market debt	**7.5**	**8.8**	**10.1**	**10.7**	**9.6**	**11.8**	**14.5**	**14.6**	**13.7**	**10.2**
Federal government	4.1	23.7	11.9	11.8	19.4	18.8	16.9	16.2	13.4	7.9
State and local government	8.2	5.9	6.2	2.3	7.1	10.5	7.7	23.8	9.3	6.5
Nongovernment:										
Financial	15.0	4.5	13.1	18.1	13.6	13.1	17.7	19.7	24.4	18.8
Foreign	5.7	17.4	14.0	11.9	7.2	8.2	3.7	.5	3.8	1.8
Households	5.2	7.1	8.9	8.3	5.7	11.4	12.7	14.1	11.9	8.4
Nonfinancial business	10.1	4.9	9.7	11.2	7.3	8.3	15.9	11.5	12.2	9.1

- Represents zero. [1] Includes other types, not shown separately. [2] U.S. Government. [3] Includes bank affiliates. [4] See footnote 2, table 784. [5] Percent change from immediate preceding year.

Source of tables 787 and 788: Board of Governors of the Federal Reserve System, *Annual Statistical Digest.*

. 789. Ownership of Public Debt Securities by Private Investors: 1970 to 1987

[As of **December.** Par values. Estimated]

INVESTOR	AMOUNT (bil. dol.)							PERCENT DISTRIBUTION				
	1970	1975	1980	1984	1985	1986	1987	1970	1975	1980	1985	1987
privately held	**229.1**	**349.4**	**616.4**	**1,212.5**	**1,417.2**	**1,612.0**	**1,745.2**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
ial banks [1]	62.7	85.1	112.1	183.4	192.2	238.3	253.3	27.4	24.4	18.2	13.6	14.5
investors	166.4	264.2	504.3	1,029.1	1,225.0	1,373.7	1,492.1	72.6	75.6	81.8	86.4	85.5
als [2]	81.2	90.8	117.1	143.8	154.8	162.8	(NA)	35.4	26.0	19.0	10.9	(NA)
ce companies	7.4	9.5	24.0	88.7	115.4	135.4	(NA)	3.2	2.7	3.9	8.1	(NA)
market funds	(NA)	(NA)	3.5	25.9	25.1	28.0	14.3	(NA)	(NA)	.6	1.8	.8
ations [3]	7.3	21.3	19.3	50.1	59.0	68.8	84.6	3.2	6.1	3.1	4.2	4.8
nd local governments [4]	27.8	34.2	87.9	173.0	224.0	260.0	(NA)	12.1	9.8	14.3	15.8	(NA)
and international [5]	19.8	66.5	129.7	192.9	212.5	251.6	287.3	8.6	19.0	21.0	15.0	16.5
nvestors [6]	23.0	41.9	122.8	354.7	434.2	467.1	(NA)	10.0	12.0	19.9	30.6	(NA)

ot available. [1] Consists of domestically chartered banks, U.S. branches and agencies of foreign banks, NY investment s majority owned by foreign banks, and Edge Act corporations owned by domestically chartered and foreign banks. es partnerships and personal trust accounts. [3] Exclusive of banks and insurance companies. [4] Includes State and sion funds. [5] Consists of the investment of foreign balances and international accounts in the United States. sts of savings and loan associations, credit unions, mutual savings banks, nonprofit institutions, money market funds (for 1975), corporate pension trust funds, and dealers and brokers. Also included are certain government deposit accounts nment-sponsored agencies.

U.S. Dept. of the Treasury, *Treasury Bulletin,* quarterly.

. 790. Selected Financial Institutions—Number and Assets, by Asset Size: 1987

[As of **December**]

ASSET SIZE	NUMBER OF INSTITUTIONS				ASSETS (bil. dol.)			
	F.D.I.C.-insured commercial banks [1]	F.S.L.I.C.-insured savings institutions [2]	F.D.I.C.-insured savings banks [1]	Credit unions [3]	F.D.I.C.-insured commercial banks [1 4]	F.S.L.I.C.-insured savings institutions [2]	F.D.I.C.-insured savings banks [1]	Credit unions [3]
	13,699	**3,147**	**484**	**14,335**	**3,000.9**	**1,251.6**	**261.9**	**162.2**
$5.0 million	207	341	1	9,844	.7	5.4	(Z)	13.9
n–$9.9 million	826		6	1,614	6.4		(Z)	11.4
ion–$24.9 million	3,474		20	1,551	59.8		.3	24.8
ion–$49.9 million	3,558	540	43	671	128.0	20.0	1.5	23.4
ion–$99.9 million	2,862	702	87	371	198.9	50.0	6.5	25.8
llion–$499.9 million	2,201	1,146	225	269	424.4	243.2	53.0	49.0
llion or more	571	418	102	15	2,182.7	933.0	200.4	13.9
	PERCENT DISTRIBUTION							
	100.0	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
$5.0 million	1.5	10.8	.2	68.7	(Z)	.4	(Z)	8.6
n–$9.9 million	6.0		1.2	11.2	.2		(Z)	7.0
ion–$24.9 million	25.4		4.1	10.8	2.0		.1	15.3
ion–$49.9 million	26.0	17.2	8.9	4.7	4.3	1.6	.6	14.4
ion–$99.9 million	20.9	22.3	18.0	2.6	6.6	4.0	2.5	15.9
llion–$499.9 million	16.1	36.4	46.5	1.9	14.1	19.4	20.2	30.2
llion or more	4.2	13.3	21.1	.1	72.7	74.6	76.5	8.6

s than $50 million or .05 percent. [1] Source: U.S. Federal Deposit Insurance Corporation (F.D.I.C.), unpublished data. e: U.S. League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook,* annual. F.S.L.I.C.=Federal nd Loan Insurance Corporation. [3] Source: National Credit Union Administration, *National Credit Union Administration Statistics 1987.* Excludes nonfederally insured State chartered credit unions and federally insured corporate credit unions. es foreign branches of U.S. banks.

: Compiled from sources listed in footnotes.

No. 791. Federal Reserve Member Banks—Revenue and Expenses: 1970 to 1987

[Includes one member bank in the Virgin Islands. Minus sign (−) indicates loss]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
banks	Number	5,769	5,790	5,425	5,422	5,474	5,619	5,807	5,961	6,034	5,968	5,717
venue	Bil. dol	27.9	51.4	118.9	150.6	196.6	202.3	185.8	215.6	216.9	211.8	222.5
s	Bil. dol	22.2	44.4	105.8	136.5	181.9	188.4	171.8	200.9	200.2	197.4	220.9
nt earnings	Bil. dol	5.7	7.0	13.1	14.2	14.7	13.9	14.0	14.7	17.8	17.2	2.7
ne	Bil. dol	3.8	5.5	9.2	9.9	10.6	10.7	10.8	11.2	13.5	13.3	−6.7
dends d	Bil. dol	1.8	2.5	3.5	3.9	4.4	4.9	5.5	5.7	6.3	6.9	8.2
ccounts [1]	Bil. dol	33.0	50.0	67.1	73.7	80.9	88.7	96.7	106.6	117.6	126.2	128.5
avg. capital unts:												
rent earnings	Percent	17.4	13.9	19.5	19.2	18.2	15.7	14.5	13.8	15.1	13.6	2.1
ome	Percent	11.6	11.1	13.7	13.4	13.1	12.1	11.2	10.5	11.5	10.6	−.5
ividends red	Percent	5.3	5.0	5.2	5.3	5.5	5.5	5.7	5.3	5.4	5.5	6.3

ges of amounts reported for varying call dates; for details, see source.

: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin,* monthly.

No. 792. FDIC-Insured Banks—Number, Banking Offices, and Deposits, by Class of Bank: 1987

[As of **June 30.** Includes Puerto Rico and outlying areas. FDIC=Federal Deposit Insurance Corporation]

CLASS OF BANK	Banks (number)	Banking offices (number)	DEPOSITS (mil. dol.)				
			Total [1]	Individuals, partnerships and corporations			Government
				Total	Transaction accounts [2]	Nontransaction accounts	
Total	**14,435**	**62,344**	**2,137,284**	**1,935,170**	**544,879**	**1,390,291**	**112,083**
Commercial banks	13,955	58,806	1,935,940	1,734,036	527,073	1,206,963	112,073
National banks	4,747	28,339	1,110,273	992,380	307,365	685,015	62,752
State (Federal Reserve, member bank)	1,096	6,358	270,613	237,190	80,391	156,799	12,053
State (non-Federal Reserve member)	8,112	24,109	555,054	504,466	139,317	365,149	37,268
Savings banks	480	3,488	198,215	198,214	17,353	180,861	-
U.S. branches of foreign banks	-	50	3,129	2,920	453	2,467	10

- Represents zero. [1] Includes other types of deposits, not shown separately. [2] A transaction account is a deposit or account on which the depositor or account holder is permitted to make withdrawals by negotiable or transferable instrument, payment orders of withdrawal, telephone transfers, or other similar devices for the purpose of making payments or transfers to others.

Source: U.S. Federal Deposit Insurance Corporation, *Data Book, Operating Banks and Branches, June 30, 1987,* vol. 1.

No. 793. Banking Offices, by Deposit Insurance Status: 1970 to 1987

[As of **December 31.** Includes Puerto Rico and outlying areas. Beginning 1982 excludes automatic teller machines that were previously being reported by many banks as branches. See also *Historical Statistics, Colonial Times to 1970,* series X 716-724]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
All banking offices	**37,166**	**47,239**	**57,232**	**59,348**	**57,913**	**59,050**	**60,067**	**60,890**	**61,897**	**62,914**
Commercial banks, total	35,585	44,917	53,649	55,749	54,829	55,960	57,010	57,764	58,565	59,423
Member, Federal Reserve System	21,989	26,526	29,985	31,414	30,921	31,946	32,809	33,854	34,542	35,196
National banks	17,191	21,073	24,217	25,221	24,867	26,080	27,037	27,844	28,218	28,744
State banks	4,798	5,453	5,768	6,193	6,054	5,866	5,772	6,010	6,324	6,452
Nonmember banks	13,596	18,391	23,664	24,335	23,908	24,014	24,201	23,910	24,023	24,227
Insured	13,332	18,043	23,186	23,788	23,314	23,380	23,535	23,910	24,023	24,227
Noninsured	264	348	478	547	594	634	666	(NA)	(NA)	(NA)
Savings banks, total	1,581	2,322	3,583	3,599	3,084	3,090	3,057	3,126	3,332	3,491
Insured	1,223	1,897	3,066	3,217	2,733	2,760	2,728	3,126	3,332	3,491
Noninsured	358	425	517	382	351	330	329	(NA)	(NA)	(NA)

NA Not available.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report,* and unpublished data.

No. 794. Changes in Number of Operating Banking Offices: 1970 to 1987

[As of **December 31.** Includes Puerto Rico and outlying areas. Beginning 1985, excludes noninsured institutions. Minus sign (–) indicates decrease]

TYPE OF CHANGE	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Banking offices [1]	**37,166**	**47,239**	**57,232**	**59,348**	**57,913**	**59,050**	**60,067**	**60,890**	**61,897**	**62,914**
Number of banks	14,199	15,130	15,330	15,355	15,412	15,440	15,489	14,809	14,681	14,207
Number of branches [1]	22,967	32,109	41,902	43,993	42,501	43,610	44,578	46,081	47,216	48,707
Net change during year	**1,584**	**1,931**	**2,306**	**2,116**	**–1,435**	**1,137**	**1,017**	**1,759**	**1,007**	**1,017**
Offices opened	1,864	2,224	2,800	2,901	2,387	2,119	2,338	2,874	2,756	3,144
Banks	186	277	271	265	379	432	486	482	396	271
Branches	1,678	1,947	2,529	2,636	2,008	1,687	1,852	2,392	2,360	2,873
Offices closed	280	293	494	785	3,822	982	1,321	1,115	1,749	2,127
Banks	165	108	142	240	322	404	427	460	524	745
Branches	115	185	352	545	[2] 3,500	578	894	655	1,225	1,382

[1] See headnote, table 793. [2] Includes 3,000 automatic teller machines that were previously reported as branches.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report,* and unpublished data.

NO. 795. BANK HOLDING COMPANIES—OFFICES, ASSETS, AND DEPOSITS: 1970 TO 1987

Dec. 31. A "bank holding company" means any company which has control over any bank or over any company that is, or
omes, a bank holding company by virtue of the Bank Holding Company Act and its amendments. Represents domestic data
]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
er of companies	121	1,821	2,905	3,500	4,285	5,399	5,702	5,946	6,467	6,503
ng offices	4,155	22,056	29,924	33,733	37,068	41,349	44,670	47,106	48,935	50,678
ks	895	3,674	4,954	5,689	6,731	7,835	8,840	9,156	9,404	9,316
nches	3,260	18,382	24,970	28,044	30,337	33,514	35,830	37,950	39,531	41,362
s (bil. dol.)	92.9	661.3	1,134.4	1,296.7	1,531.0	1,734.9	1,891.5	2,151.5	2,344.0	2,371.5
cent of all ommercial banks	16.1	68.5	74.1	77.3	82.6	86.0	89.4	90.2	90.9	91.1
its (bil. dol.)	78.1	527.5	840.6	938.7	1,108.5	1,279.4	1,411.6	1,595.2	1,757.5	1,785.4

rce: Board of Governors of the Federal Reserve System, *Banking and Monetary Statistics, 1941–1970; Annual Statistical*
t; and unpublished data.

). 796. COMMERCIAL BANKS—DOMESTIC ASSETS AND DEPOSITS, STATES AND OTHER AREAS: 1987

[**As of December 31.** Excludes foreign branches of U.S. banks]

STATE OR OTHER AREA	ALL COMMERCIAL BANKS [1]				INSURED COMMERCIAL BANKS [3]	
	Assets		Deposits			
	Total (bil. dol.)	Percent held by multibank holding companies	Total (bil. dol.)	Per capita [2] (dol.)	Assets (bil. dol.)	Deposits (bil. dol.)
otal	(NA)	(NA)	(NA)	(NA)	**2,575.4**	**1,993.1**
	2,602.0	72.9	1,979.9	8,134	2,562.0	1,981.8
	30.5	74.8	24.3	5,944	30.5	24.3
	5.0	39.3	4.0	7,546	5.0	4.0
	27.7	94.4	23.4	6,921	27.7	23.4
	17.8	42.8	15.7	6,589	17.8	15.7
	240.5	57.6	197.4	7,136	233.1	199.3
	24.5	75.9	20.2	6,137	24.6	20.3
	35.1	79.1	27.4	8,523	35.1	27.4
	43.0	62.4	19.8	30,686	43.0	19.8
	15.4	95.4	11.8	19,052	15.2	11.8
	110.2	78.2	90.8	7,555	109.8	90.8
	52.4	83.2	40.4	6,498	52.0	40.4
	11.6	47.9	10.2	9,376	10.1	10.2
	7.2	84.9	5.9	5,878	7.2	5.9
	152.0	73.6	113.2	9,773	151.3	113.2
	49.6	64.0	41.3	7,458	49.3	41.3
	30.2	38.8	26.0	9,158	30.2	26.0
	24.7	30.0	21.6	8,732	24.7	21.6
	34.7	60.9	27.5	7,389	34.6	27.5
	35.3	28.4	30.5	6,832	35.1	30.5
	6.8	86.3	5.8	4,855	6.8	5.8
	43.6	65.2	32.7	7,201	43.5	32.7
	87.1	71.0	63.8	10,902	86.6	63.8
	78.2	86.5	63.8	6,932	76.5	64.1
	53.1	70.4	39.7	9,351	52.5	39.7
	18.3	18.6	15.8	6,032	18.3	15.8
	52.9	72.2	44.6	8,731	52.7	44.6
	7.3	66.2	6.2	7,671	7.3	6.2
NE	16.8	41.3	14.5	9,113	16.8	14.5
NV	10.1	65.6	6.1	6,091	10.1	6.1
NH	9.1	69.2	7.6	7,188	9.1	7.6
NJ	75.2	70.3	61.6	8,030	75.3	61.7
NM	9.8	55.7	8.4	5,583	9.8	8.4
NY	401.1	85.8	248.2	13,925	381.0	247.9
NC	59.4	86.3	41.1	6,402	59.2	41.1
ND	7.0	47.0	6.1	9,093	7.0	6.1
OH	92.5	82.0	72.7	6,745	91.9	72.7
OK	27.0	37.4	23.7	7,228	27.0	23.7
OR	18.5	89.0	14.6	5,369	18.3	14.7
PA	139.9	84.2	105.3	8,824	137.0	105.3
RI	12.8	89.5	8.8	8,915	12.8	8.8
SC	17.9	52.4	13.7	3,989	17.9	13.7
SD	20.3	83.7	8.3	11,770	20.5	8.3
TN	40.6	74.0	33.7	6,941	40.5	33.7
TX	186.6	74.3	146.9	8,753	185.8	146.7
UT	10.9	80.2	8.7	5,150	10.8	8.7
VT	4.9	40.6	4.4	8,061	4.9	4.4
VA	55.9	85.2	44.8	7,591	55.2	44.8
WA	31.2	88.9	25.6	5,642	30.9	25.6
WV	15.2	60.8	13.2	6,932	15.2	13.2
WI	40.4	69.4	34.4	7,146	40.2	34.2
WY	4.2	65.9	3.8	7,734	4.2	3.8
AM [4]	(NA)	(NA)	(NA)	(NA)	(Z)	(Z)
PR	(NA)	(NA)	(NA)	(NA)	13.0	10.9
GU [4]	(NA)	(NA)	(NA)	(NA)	.3	.3
Pacific Islands [4]	(NA)	(NA)	(NA)	(NA)	(Z)	(Z)

Not available. Z Less than $50 million. [1] Data reflect revisions submitted by banks after original filing date.
ased on U.S. Bureau of the Census estimated resident population as of July 1. [3] Source: U.S. Federal Deposit Insurance
oration, unpublished data. [4] Consists of data for one insured commercial bank chartered in the outlying areas.

urce: Except as noted, Board of Governors of the Federal Reserve System, *Annual Statistical Digest.*

No. 797. Insured Commercial Banks—Assets and Liabilities: 1975 to 1987

[In **billions of dollars, except number of banks**. As of **Dec. 31**. Includes outlying areas. Excludes noninsured banks and nondeposit trust companies. 1975 includes American branches of foreign banks. Except as noted, includes foreign branches of U.S. banks. See *Historical Statistics, Colonial Times to 1970*, series X 588-609, for related data]

ITEM	1975	1980	1981	1982	1983	1984	1985	1986	1987
Number of banks	14,384	14,434	14,414	14,452	14,465	14,481	14,404	14,200	[illegible]
Assets	**1,095.4**	**1,855.7**	**2,029.1**	**2,194.3**	**2,342.1**	**2,508.6**	**2,731.8**	**2,941.1**	[illegible]
Securities, total [1]	231.5	334.4	352.1	386.0	441.3	385.8	439.6	465.0	509.7
U.S. Treasury, direct obligations	81.0	104.5	103.7	118.7	168.1	108.2	118.3	127.2	178.2
Obligations of States and subdivisions [2]	100.9	146.3	151.5	155.2	156.4	120.9	160.6	140.4	120.8
Federal funds sold and securities purchased [3]	37.0	70.3	91.2	103.9	93.5	110.8	133.2	139.3	130.6
Net loans and leases [4]	590.1	1,006.4	1,120.2	1,211.6	1,301.3	1,409.7	1,607.8	1,727.6	1,779.8
Commercial and industrial loans	(NA)	391.0	454.6	504.4	524.8	565.0	577.7	600.9	589.7
Real estate loans	(NA)	269.1	291.4	306.0	336.8	385.6	438.5	515.3	598.9
Loans to depository institutions [5]	(NA)	81.2	94.7	106.9	109.2	72.3	68.0	70.3	64.3
Loans to farmers (excl. real estate)	(NA)	32.3	33.7	37.0	38.9	40.7	36.1	31.7	29.4
Other loans to individuals	(NA)	187.4	193.0	199.2	224.6	266.9	309.0	335.7	351.2
All other loans [2]	(NA)	62.6	69.4	73.1	83.6	176.6	195.1	191.0	210.0
Lease financing receivables	(NA)	14.0	15.9	16.7	17.1	20.2	24.3	27.5	31.0
Cash, balances with banks, etc	169.4	331.9	327.4	334.3	341.9	323.5	340.6	379.2	358.2
Other	47.4	112.6	138.2	158.5	164.2	198.9	209.8	209.6	211.6
Liabilities and equity capital	**[6] 1,095.4**	**1,855.7**	**2,029.1**	**2,194.3**	**2,342.1**	**2,508.6**	**2,731.8**	**2,941.1**	[illegible]
Deposits	915.9	1,481.2	1,568.8	1,706.5	1,842.5	1,962.6	2,117.9	2,283.5	2,334.9
Demand [7] [8]	(NA)	415.1	369.2	354.2	370.6	421.6	450.9	510.8	455.6
Time and savings [7] [9]	(NA)	755.6	885.1	1,028.1	1,140.9	1,223.4	1,345.2	1,458.9	1,537.7
Deposits in foreign offices	(NA)	(NA)	(NA)	(NA)	(NA)	317.6	321.8	313.8	341.6
Individuals, partnerships and corporations [7]	(NA)	1,007.8	1,103.9	1,214.8	1,353.6	1,466.6	1,617.1	1,751.9	1,787.2
Government [7]	(NA)	84.2	85.3	90.0	86.7	95.5	107.5	110.2	111.7
Domestic interbank, foreign government, and other banks in foreign countries [7] [10]	(NA)	77.7	64.2	77.5	70.8	55.6	64.0	77.1	84.4
Miscellaneous liabilities	101.6	280.4	315.4	351.5	352.0	381.4	414.9	458.4	468.9
Subordinated notes and debentures	4.4	6.5	6.5	7.3	7.1	10.2	14.7	16.9	17.6
Limited-life preferred stock	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	14.0	.1	.1
Equity capital	64.3	107.6	118.3	128.9	140.5	154.3	169.5	182.3	181.4

NA Not available. [1] Book value. Includes other categories not shown separately. [2] Beginning 1984, nonrated industrial development and other obligations of States and political subdivisions are included under all other loans. [3] Under agreements to resell. [4] Excludes allowance for loan and lease losses and unearned income. [5] Includes loans to foreign banks. [6] Includes reserves on loans and securities, not shown separately. [7] Represents deposits in domestic offices only. [8] Beginning 1984, noninterest bearing deposits. [9] Beginning 1984, interest bearing deposits. [10] Includes official institutions in foreign countries.

Source: U.S. Federal Deposit Insurance Corporation, *Assets and Liabilities: Commercial and Mutual Savings Banks*, semiannual; beginning 1980, *Annual Report*; and unpublished data.

No. 798. Insured Commercial Banks—Selected Measures of Financial Condition: 1975 to 1987

[As of **December 31**. Capital figures exclude reserves for possible loan losses]

ITEM	Unit	1975	1980	1981	1982	1983	1984	1985	1986	1987
Number of banks	Number	14,384	14,434	14,414	14,452	14,465	14,481	14,404	14,200	[illegible]
Equity and debt capital [1]	Bil. dol	70.3	114.1	124.8	136.2	147.6	164.5	198.2	199.3	199.1
Equity capital to total assets	Percent	6.1	5.8	5.8	5.9	6.0	6.2	6.2	6.2	6.0
Equity capital to total deposits	Percent	8.5	7.3	7.4	7.6	7.6	7.9	8.0	8.0	7.8
Debt capital to total capital [1]	Percent	6.3	5.7	5.2	5.4	4.8	6.2	14.5	8.5	8.9
Total capital to total assets	Percent	6.5	6.2	6.2	6.2	6.3	6.6	6.7	6.8	6.6
Total capital to total liabilities	Percent	6.9	6.6	6.6	6.6	6.7	7.0	7.2	7.3	7.1
Total capital to risk assets [2]	Percent	9.0	8.4	8.2	8.2	8.4	8.5	9.1	8.7	8.5
Total loans, excluding Federal funds [3]	Bil. dol	579.4	1,002.5	1,131.3	1,224.4	1,316.9	1,508.3	1,630.8	1,756.6	[illegible]
Total loans to deposits	Percent	63.4	67.7	71.2	71.7	71.5	76.9	77.0	76.9	78.3
Net loan charge-offs to average total loans	Percent	.61	.38	.36	.56	.68	.76	.84	.98	[illegible]
Aggregate net operating income	Mil. dol	7,146	14,484	15,600	15,587	14,807	15,540	16,267	13,314	[illegible]
Aggregate net income to average equity capital	Percent	11.7	13.7	13.1	12.1	11.1	10.7	11.3	10.0	2.0
Aggregate net income to average assets	Percent	.78	.78	.77	.72	.66	.65	.70	.63	.12

[1] Beginning 1985 includes limited life preferred stock as debt capital. [2] Risk assets are total assets less cash, U.S. Government securities, and Federal funds sold. [3] Beginning in 1984, some assets previously classified as securities are included among loans.

Source: U.S. Federal Deposit Insurance Corporation, *The Condition of the Financial System*, May 1980, and unpublished data.

No. 799. FDIC-INSURED BANKS CLOSED OR ASSISTED DUE TO FINANCIAL DIFFICULTIES, AND PROBLEM BANKS: 1971 TO 1987

[Banks are closed either permanently or temporarily by order of supervisory authorities or by directors of banks. F.D.I.C.=Federal Deposit Insurance Corporation. See *Historical Statistics, Colonial Times to 1970*, series X 741, 748, 756, and 761]

ITEM	Unit	1971-1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total banks closed or assisted	Number	84	7	10	11	10	42	48	80	120	145	203
Agricultural banks [1]	Number	(NA)	(NA)	(NA)	(NA)	1	7	7	31	62	50	57
Deposits, closed and assisted banks	Mil. dol.	10,851	854	111	5,216	3,826	9,908	5,442	29,883	8,059	6,597	8,568
Agricultural banks [1]	Mil. dol.	(NA)	(NA)	(NA)	(NA)	7	112	114	421	866	1,408	906
Problem banks [2]	Number	(X)	342	287	217	223	369	642	848	1,140	1,484	1,575

NA Not available. X Not applicable. [1] Banks with at least 25 percent of their portfolios devoted to farm loans. [2] FDIC-insured commercial and savings banks considered to be problem banks by the supervisory authorities, end-of-period.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report*, and unpublished data.

No. 800. U.S. BANKING OFFICES OF FOREIGN BANKS—SUMMARY: 1975 TO 1987

[**In billions of dollars, except as indicated.** As of **December**, except as indicated. Covers agencies, branches, subsidiary commercial banks, New York State investment companies, and, for data by country only, finance companies]

YEAR	Assets	LOANS		Deposits
		Total	Business	
1975	52.4	29.9	19.9	22.6
1980	200.6	121.4	59.6	80.4
1981	250.6	157.7	73.6	101.8
1982	299.8	165.2	82.4	154.3
1983	328.8	192.4	84.5	181.3
1984	394.4	220.1	97.8	233.7
1985	440.8	247.4	108.8	236.7
1986	524.3	276.9	126.8	278.2
1987	592.6	310.9	147.9	316.1
SHARE [1]				
1975	5.3	5.7	10.4	2.9
1980	11.9	13.4	18.2	6.6
1985	16.1	15.4	22.5	12.1
1987	19.0	16.6	26.4	14.1

COUNTRY	NUMBER OF—		Assets	Loans, commercial and industrial	Deposits
	Banks with U.S. offices	U.S. offices			
1987, total [2]	**256**	**664**	**571.9**	**138.5**	**314.0**
Japan	30	99	275.3	61.6	149.6
Canada	6	51	46.0	13.2	22.3
United Kingdom	12	47	41.0	13.9	28.7
Italy	12	25	37.7	8.0	15.7
Hong Kong	11	32	26.2	7.6	20.1
France	15	41	26.0	5.9	15.3
Switzerland	7	16	24.2	5.5	9.6
West Germany	13	22	11.6	2.5	7.0
Israel	4	22	10.0	3.1	8.5
Netherlands	4	17	8.3	2.4	4.4

[1] Percent of "domestically owned" commercial banks plus U.S. offices of foreign banks. [2] As of June 30. Includes other countries not shown seperately. Source: *American Banker*, New York, NY, selected issues.

Source: Except as noted, Board of Governors of the Federal Reserve System, unpublished data.

No. 801. 500 LARGEST BANKS IN THE WORLD—NUMBER AND DEPOSITS, BY LOCATION OF BANK: 1970 TO 1987

[**Deposits in billions of dollars, except percent.** Data cover U.S. commercial banks and foreign banks that conduct a commercial banking business; beginning 1983, includes U.S. and foreign savings banks. Beginning 1981, covers top 500 banks in assets available. Number of banks includes banks more than 50 percent owned by other banks. To avoid double-counting of deposits, banks more than 50 percent owned by other banks are excluded from deposit totals if their parent bank consolidates their deposits]

LOCATION OF BANK	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	PERCENT		
											1970	1980	1987
NUMBER													
U.S. banks	185	137	93	97	97	102	115	110	102	90	37.0	18.6	18.0
Foreign banks	315	363	407	403	403	398	385	390	398	410	63.0	81.4	82.0
DEPOSITS													
Total	890	2,176	4,994	5,213	5,230	5,683	5,854	7,022	9,220	12,090	100.0	100.0	100.0
U.S. banks	296	494	754	806	794	882	961	1,014	1,084	1,108	33.3	15.1	9.2
Foreign banks	594	1,682	4,240	4,407	4,436	4,801	4,893	6,008	8,136	10,982	66.7	84.9	90.8

Source: *American Banker*, New York, NY, selected July issues.

NO. 802. FOREIGN BRANCHES OF U.S. FEDERAL RESERVE MEMBER BANKS—NUMBER AND ASSETS: 1970 TO 1987

[**As of year end.** The foreign branch activities of nonmember banks are not significant]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Member banks operating foreign branches	Number	79	126	159	159	162	166	163	162	151	153
Foreign branches	Number	532	762	787	841	900	892	905	916	899	902
Assets of foreign branches [1] [2]	Bil. dol	50	145	311	343	341	333	291	290	265	300
Percent of total assets of all insured commerical banks [3]	Percent	7.3	13.1	16.3	16.1	14.2	11.9	10.3	8.9	8.0	8.1
Assets of branches in United Kingdom [1]	Bil. dol	24	67	107	112	111	132	87	94	82	86
Assets of branches in The Bahamas and Cayman Islands [1]	Bil. dol	4	37	93	105	101	117	86	77	82	86

[1] Data exclude claims on other foreign branches of the same bank. [2] Includes assets of foreign branches in countries in addition to those shown separately. [3] Percentages reflect adjustments to exclude foreign branch claims on the U.S. offices of their parent banks.

Source: Board of Governors of the Federal Reserve System, unpublished data.

NO. 803. FOREIGN LENDING BY LARGE U.S. BANKS, BY MATURITY, TYPE OF BORROWER, AND COUNTRY: 1987

[**In millions of dollars, except percent.** As of **December.** Covers 184 U.S. banking organizations which do nearly all of the foreign lending in the country. Data represent claims on foreign residents and institutions held at all domestic and foreign offices of covered banks. Data cover only cross-border and non-local currency lending. These result from a U.S. bank's office in one country lending to residents of another country or lending in a currency other than that of the borrower's country. Excludes local currency loans and other claims and local currency liabilities held by banks' foreign offices on residents of the country in which the office was located (e.g. Deutsche mark loans to German residents booked at the German branch of the reporting U.S. bank)]

COUNTRY	CLAIMS		Bank borrowers	Public borrowers
	Total [1]	Percent short-term [2]		
Total [3]	**267,312**	**67**	**129,481**	**76,357**
Algeria	811	31	406	335
Argentina	8,812	36	942	6,384
Australia	3,111	71	849	205
Austria	1,305	87	1,017	231
Bahamas, The	4,144	91	3,859	7
Belgium-Luxembourg	9,098	94	7,733	433
Brazil	21,275	50	4,271	14,151
British West Indies	10,070	96	9,658	82
Canada	8,330	64	3,572	767
Chile	5,999	42	1,405	4,133
China:				
Taiwan	4,755	94	2,570	227
Colombia	2,068	35	533	1,158
Denmark	2,294	72	1,044	533
Ecuador	1,919	46	37	1,797
Finland	1,179	82	867	120
France	9,330	83	7,112	1,309
Greece	1,951	41	60	655
Hong Kong	8,251	90	6,024	66
India	989	66	424	315
Indonesia	1,522	57	55	534
Ireland	903	38	200	270
Israel	1,011	64	612	227
Italy	5,999	78	4,351	1,056
Japan	21,732	86	16,210	391
Mexico	22,722	25	2,625	15,602
Morocco	820	56	285	520
Netherlands	3,054	74	1,591	295
New Zealand	988	50	229	184
Nigeria	901	53	192	678
Norway	2,086	56	663	102
Panama	1,359	64	260	432
Peru	901	86	132	686
Philippines	4,674	35	479	3,146
Singapore	5,735	94	4,778	56
South Africa	2,888	59	1,918	537
South Korea	3,849	78	1,470	528
Spain	2,864	62	1,224	477
Sweden	2,274	87	1,542	311
Switzerland	4,654	87	2,521	25
Thailand	816	80	484	44
Turkey	2,108	64	548	1,369
United Kingdom	38,249	90	27,320	376
Uruguay	940	28	26	636
Venezuela	8,320	30	1,280	5,906
West Germany	5,124	54	1,668	1,520
Yugoslavia	1,915	34	313	1,371

[1] Includes private nonbank borrowers, not shown separately. [2] Maturity, one year or less. [3] Includes countries not shown separately.

Source: Board of Governors of the Federal Reserve System, Federal Financial Institutions Examination Council, statistical release

NO. 804. FEDERAL AND STATE-CHARTERED CREDIT UNIONS—SUMMARY: 1970 TO 1987

[As of **December 31.** Federal data include District of Columbia, Puerto Rico, Canal Zone, Guam, and Virgin Islands. Beginning 1984, excludes State-insured and non-insured State-chartered credit unions and corporate central credit unions which have mainly other credit unions as members. See also *Historical Statistics, Colonial Times to 1970,* series X 864–878]

YEAR	OPERATING CREDIT UNIONS		MEMBERS (1,000)		ASSETS (mil. dol.)		LOANS OUTSTANDING (mil. dol.)		SAVINGS (mil. dol.)	
	Federal	State	Federal	State	Federal	State	Federal	State	Federal	State
1970	12,977	10,679	11,966	10,853	8,861	9,089	6,969	7,137	7,629	7,857
1975	12,737	9,871	17,066	14,196	20,209	17,804	14,869	13,300	17,530	15,522
1980	12,440	9,025	24,519	19,235	40,092	33,143	26,350	22,633	36,263	29,480
1984	10,548	4,645	28,170	15,205	63,657	29,188	42,132	19,951	57,927	26,327
1985	10,125	4,920	29,576	15,689	78,205	41,525	48,241	26,168	71,616	37,917
1986	9,758	4,935	31,045	17,363	95,484	52,244	55,305	30,834	87,954	48,097
1987	9,401	4,934	32,067	17,999	105,190	56,972	64,104	35,436	96,346	52,083

Source: National Credit Union Administration, *Annual Report of the National Credit Union Administration,* and unpublished data.

No. 805. Savings Institutions—Financial Summary by Type: 1970 to 1987

[In billions of dollars, except number of institutions. As of December 31. Includes Puerto Rico, Guam, and Virgin Islands. FSLIC=Federal Savings and Loan Insurance Corporation. FDIC=Federal Deposit Insurance Corporation. See also *Historical Statistics, Colonial Times to 1970*, series X 834–844]

TYPE OF INSTITUTION	1970	1975	1980	1982	1983	1984	1985	1986	1987
NUMBER OF INSTITUTIONS									
Savings institutions, total	**6,162**	**5,406**	**5,076**	**4,248**	**4,036**	**3,978**	**3,940**	**3,970**	**3,892**
Savings and loan associations	5,669	4,931	4,613	3,825	3,502	3,393	3,197	3,079	2,909
FSLIC-insured	4,365	4,078	4,002	3,343	3,040	2,938	2,907	2,812	2,648
State insured and non-insured	1,304	853	611	483	462	455	290	267	261
Savings banks	493	475	463	423	534	585	743	891	983
FSLIC-insured	(x)	(x)	3	6	143	198	339	409	499
FDIC-insured	328	328	323	315	294	291	392	482	484
Federally chartered	(x)	(x)	(x)	(x)	18	24	28	27	22
State chartered	328	328	323	315	276	267	364	455	462
State insured and non-insured	165	147	137	102	97	96	12	-	-
FSLIC-insured institutions	4,365	4,078	4,005	3,349	3,183	3,136	3,246	3,221	3,147
FDIC-insured institutions	328	328	323	315	294	291	392	482	484
State insured and non-insured	1,469	1,000	748	585	559	551	302	267	261
ASSETS									
Savings institutions, total	**255.3**	**459.4**	**796.6**	**892.2**	**1,034.0**	**1,208.1**	**1,315.4**	**1,423.7**	**1,523.4**
Savings and loan associations	176.1	338.3	629.8	707.6	773.4	903.5	948.8	963.3	977.2
FSLIC-insured	170.6	330.3	618.5	692.7	754.2	880.0	938.1	953.6	966.6
State insured and non-insured	5.5	8.0	11.2	15.1	19.2	23.5	10.7	9.7	10.6
Savings banks	79.2	121.1	166.8	184.4	260.6	304.6	366.6	460.4	546.2
FSLIC-insured	(x)	(x)	2.2	6.9	65.0	98.4	131.6	210.3	284.3
FDIC-insured	68.7	107.3	152.6	155.3	170.7	179.1	205.4	250.1	261.9
Federally chartered	(x)	(x)	(x)	(x)	36.7	43.5	48.0	52.4	44.8
State chartered	68.7	107.3	152.6	155.3	134.0	135.6	157.4	197.7	217.1
State insured and non-insured	10.5	13.8	12.0	22.2	24.9	27.1	29.6	-	-
FSLIC-insured institutions	170.6	330.3	620.6	699.5	819.2	978.5	1,069.4	1,163.9	1,250.9
FDIC-insured institutions	68.7	107.3	152.6	155.3	170.7	179.1	205.4	250.1	261.9
State insured and non-insured	16.0	21.8	23.2	37.3	44.1	50.6	40.3	9.7	10.6
MORTGAGE LOANS OUTSTANDING [1]									
Savings institutions, total	**208.2**	**355.9**	**603.7**	**584.6**	**633.7**	**717.9**	**777.6**	**800.7**	**838.5**
Savings and loan associations	150.3	278.6	502.8	483.6	494.8	555.3	583.2	555.9	538.8
FSLIC-insured	146.0	272.5	494.2	473.7	482.6	541.6	576.8	549.6	533.0
State insured and non-insured	4.3	6.1	9.0	10.0	12.2	13.7	6.9	6.3	5.8
Savings banks	57.9	77.2	100.9	100.9	138.9	162.6	194.4	244.8	299.7
FSLIC-insured	(x)	(x)	.7	3.4	38.7	56.9	73.0	113.3	156.1
FDIC-insured	50.7	68.4	91.6	85.1	87.5	92.1	106.1	131.5	143.6
Federally chartered	(x)	(x)	(x)	(x)	19.6	22.2	24.3	25.8	24.2
State chartered	50.7	68.4	91.6	85.1	67.9	69.9	81.8	105.7	119.4
State insured and non-insured	7.2	8.9	8.3	12.4	12.7	13.6	15.3	-	-
FSLIC-insured institutions	146.0	272.5	494.9	477.0	521.3	599.0	649.8	662.9	689.1
FDIC-insured institutions	50.7	68.4	91.6	85.1	87.5	92.1	106.1	131.5	143.6
State insured and non-insured	11.5	15.0	25.0	22.4	24.9	27.3	22.2	6.3	5.8
DEPOSITS									
Savings institutions, total	**218.8**	**396.4**	**673.5**	**733.2**	**863.7**	**988.3**	**1,058.3**	**1,098.0**	**1,145.0**
Savings and loan associations	146.7	285.7	511.0	568.0	634.5	725.0	750.1	741.5	737.3
FSLIC-insured	141.7	278.8	501.2	554.6	617.8	705.2	740.5	732.9	729.4
State insured and non-insured	5.0	7.0	9.8	13.4	16.6	19.9	9.6	8.6	7.9
Savings banks	72.1	110.6	162.5	165.2	229.3	263.5	308.2	356.5	407.7
FSLIC-insured	(x)	(x)	1.9	5.9	53.2	79.6	103.5	157.7	203.2
FDIC-insured	62.7	98.1	149.9	139.5	153.8	159.8	178.6	198.8	204.5
Federally chartered	(x)	(x)	(x)	(x)	33.0	38.3	39.8	39.3	30.7
State chartered	62.7	98.1	149.9	139.5	120.8	121.5	138.8	159.5	173.8
State insured and non-insured	9.4	12.5	10.7	19.8	22.3	24.1	26.1	-	-
FSLIC-insured institutions	141.7	278.8	503.2	560.5	671.0	784.7	843.9	890.6	932.6
FDIC-insured institutions	62.7	96.1	149.9	139.5	153.8	159.8	178.6	198.8	204.5
State insured and non-insured	14.4	19.5	21.1	33.2	36.9	44.0	35.7	8.6	7.9

- Represents zero. X Not applicable. [1] Beginning 1982, reflects deductions from asset accounts.

Source: U.S. Federal Home Loan Bank Board, Washington, DC, *Savings and Home Financing Source Book*, annual, and unpublished data.

No. 806. Savings Institutions (FSLIC-Insured)—Selected Financial Items and Ratios of Condition: 1970 to 1987

[As of **Dec. 31** for assets, liabilities and net worth; calendar year for other items. Includes Puerto Rico, Guam, and Virgin Islands. FSLIC=Federal Savings and Loan Insurance Corporation. Beginning 1983, includes FSLIC-insured savings and loan associations which changed to FSLIC-insured savings banks. Minus sign (−) indicates either loss or outflow]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Assets [1]	Bil. dol	170.6	330.3	620.6	699.5	819.2	978.5	1,069.4	1,163.9	1,250.9
Mortgage assets [2]	Bil. dol	146.0	272.5	494.9	477.0	521.3	599.0	649.8	662.9	686.1
Mortgage-backed securities	Bil. dol	(NA)	(NA)	27.3	62.8	90.9	108.2	110.7	158.2	201.8
Cash and securities	Bil. dol	15.8	29.9	57.0	84.4	109.9	135.6	143.1	165.0	170.1
Liabilities [1]	Bil. dol	158.7	311.1	588.0	673.8	786.2	940.6	1,022.6	1,111.6	1,204.5
Deposit accounts	Bil. dol	141.7	278.8	503.2	560.5	671.0	784.7	843.9	890.6	932.6
FHLB advances	Bil. dol	10.5	17.5	47.0	33.8	41.3	65.4	84.4	100.0	116.4
Other borrowed money	Bil. dol	.3	3.0	17.2	25.7	33.0	37.9	72.2	96.9	133.6
Net worth	Bil. dol	11.9	19.2	32.6	25.7	33.0	37.9	46.8	52.3	46.4
Net worth to total assets ratio	Ratio	7.0	5.8	5.2	3.7	4.0	3.9	4.4	4.5	3.7
Operating income [3]	Bil. dol	10.7	23.7	56.1	71.5	80.0	100.6	110.5	110.8	107.6
Operating expenses [3]	Bil. dol	1.9	3.9	7.9	10.1	12.3	15.3	19.5	22.9	24.3
Interest on savings deposits [3]	Bil. dol	6.9	16.0	41.6	58.6	58.3	71.8	73.5	68.0	62.4
Interest on borrowed money [3]	Bil. dol	.8	1.6	5.8	11.7	9.4	12.6	14.1	15.4	17.9
Net income before taxes [3]	Bil. dol	1.2	2.1	1.2	−5.9	2.6	1.9	6.0	3.3	−4.1
Net income after taxes [3]	Bil. dol	.9	1.4	.8	−4.3	2.0	1.1	3.8	.1	−6.8
Net deposit gain	Bil. dol	10.8	42.1	41.0	37.3	110.2	111.2	54.9	55.1	46.6
Net new deposits received	Bil. dol	5.3	29.3	10.7	−6.4	63.2	56.9	−1.5	3.2	−1.6
Mortgage loans closed [4]	Bil. dol	(NA)	(NA)	65.2	60.5	151.1	181.3	196.7	264.9	253.4
Purchase of 1-to-4 family homes	Bil. dol	(NA)	(NA)	60.0	34.2	83.8	95.7	107.8	170.5	173.1
Average cost of funds	Percent	5.30	6.32	8.94	11.38	9.83	10.03	9.20	8.06	7.26
Average effective dividend rate paid	Percent	5.14	6.21	8.78	11.19	9.71	9.93	9.03	7.84	6.92
Average interest return on mortgages	Percent	6.56	7.71	9.34	10.68	11.17	11.66	11.53	10.65	9.70
Net after taxes income to average assets	Percent	.57	.47	.13	−.65	.27	.13	.39	.09	−.56

NA Not available. [1] Includes other items, not shown separately. [2] Beginning 1982, reflects deductions from asset accounts. [3] Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. [4] Reported on a gross basis including refinancing and combination construction-purchase loan.

Source: Except as noted, U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

No. 807. Savings Institutions (FSLIC-Insured)—Selected Financial Items, States and Other Areas: 1987

[**In billions of dollars, except number of institutions.** As of **December 31.** Covers savings and loan associations and savings banks]

DIVISION AND STATE	NUMBER OF INSTITUTIONS		Assets	Deposits
	Total	Insolvent		
Total	**3,147**	**349**	**1,250.9**	**932.6**
U.S.	**3,134**	**349**	**1,244.5**	**928.8**
N. Eng	**97**	**1**	**30.2**	**20.8**
ME	15	-	1.5	1.2
NH	12	-	2.0	1.6
VT	4	-	.5	.4
MA	34	-	9.4	6.6
RI	4	-	4.1	2.7
CT	28	1	12.7	8.4
Mid. Atl	**392**	**8**	**151.6**	**117.1**
NY	86	-	55.8	43.4
NJ	137	7	53.1	40.9
PA	169	1	42.7	32.8
E. No. Cent	**726**	**46**	**188.9**	**145.6**
OH	224	6	52.8	43.4
IN	112	10	13.7	11.7
IL	264	23	68.8	55.2
MI	51	5	37.2	21.2
WI	75	2	16.4	14.1
W. No. Cent	**263**	**31**	**86.5**	**61.5**
MN	36	6	16.3	11.1
IA	50	8	8.7	7.4
MO	81	4	24.0	18.7
ND	6	-	4.2	2.5
SD	12	1	1.4	1.3
NE	23	4	11.4	7.4
KS	55	8	20.5	13.3
So. Atl	**593**	**32**	**182.9**	**140.3**
DE	4	-	.4	.3
MD	96	2	21.0	16.4
DC	6	-	4.4	2.8
VA	66	6	25.6	19.4
WV	18	2	2.0	1.8
NC	137	1	20.2	16.8
SC	49	-	10.9	8.6
GA	69	4	18.2	13.7
FL	148	17	80.1	60.5
E. So. Cent	**208**	**17**	**33.1**	**26.7**
KY	67	3	7.5	6.3
TN	63	6	11.5	9.2
AL	36	3	9.0	6.9
MS	42	5	5.1	4.2
W. So. Cent	**465**	**158**	**132.1**	**112.3**
AR	37	12	6.8	5.7
LA	96	18	15.6	12.9
OK	53	18	10.1	8.5
TX	279	110	99.6	85.3
Mt	**120**	**18**	**59.8**	**42.3**
MT	11	1	1.2	1.0
ID	7	1	.9	.7
WY	11	2	1.2	1.1
CO	36	6	14.7	10.7
NM	25	5	6.0	4.6
AZ	12	1	24.1	16.8
UT	13	2	7.1	4.6
NV	5	-	4.6	2.8
Pac	**270**	**38**	**379.4**	**262.2**
WA	39	4	17.5	11.7
OR	16	5	9.5	6.5
CA	206	29	346.3	239.8
AK	3	-	.5	.4
HI	6	-	5.5	3.8
PR	10	-	6.2	3.7
GU	2	-	.1	.1
VI	1	-	(Z)	(Z)

- Represents zero. Z Less than $50 million.

Source: U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

No. 808. Mortgage Debt Outstanding, by Type of Property and Holder: 1970 to 1987

[In billions of dollars. As of Dec. 31. Includes Puerto Rico and Guam. See also *Historical Statistics, Colonial Times to 1970*, series N 273 and N 276]

TYPE OF PROPERTY AND HOLDER	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Mortgage debt, total	**474**	**792**	**1,327**	**1,457**	**1,563**	**1,632**	**1,815**	**2,035**	**2,269**	**2,569**	**2,908**
Residential nonfarm	358	583	1,005	1,106	1,180	1,220	1,351	1,504	1,681	1,915	2,162
1- to 4-family homes	297	482	871	964	1,038	1,074	1,190	1,319	1,467	1,668	1,888
Savings institutions	167	274	460	487	501	458	482	529	554	558	598
Mortgage pools or trusts [1]	3	28	101	122	142	193	259	304	383	520	654
Government National Mortgage Assoc	(z)	18	74	92	103	116	156	176	207	257	310
Federal Home Loan Mortgage Corp	-	1	12	13	20	43	57	70	100	167	206
Commercial banks	42	77	149	160	170	174	183	196	213	238	275
Individuals and others [2]	40	44	79	101	122	136	144	154	166	181	183
Federal and related agencies	22	38	53	61	68	78	87	98	110	127	124
Federal National Mortgage Assoc	15	26	45	52	56	67	73	82	92	91	90
Finance companies	1	4	11	14	17	19	21	24	29	34	40
Life insurance companies	27	18	16	18	17	17	15	14	12	13	13
5 or more units	60	101	135	142	142	146	161	186	214	247	274
Commercial	86	159	236	255	278	302	352	419	482	557	656
Farm	30	50	86	96	106	110	113	112	106	97	90
TYPE OF HOLDER											
Savings institutions	208	356	575	603	620	578	627	710	761	777	856
Commercial banks	73	136	245	263	284	301	331	379	429	503	591
Life insurance companies	74	89	118	131	138	142	151	157	172	194	212
Finance companies	1	4	11	14	17	19	21	24	29	34	40
Individuals and others [2]	79	109	162	190	216	236	253	274	297	326	345
Mortgage pools or trusts [1]	5	34	119	142	163	217	285	332	415	532	670
Government National Mortgage Assoc	(z)	18	76	94	106	119	160	180	212	263	318
Federal Home Loan Mortgage Corp	-	2	15	17	20	43	58	71	100	171	213
Federal National Mortgage Association	-	-	-	-	1	14	25	36	55	97	140
Farmers Home Administration [3]	4	14	28	32	37	40	42	45	48	(z)	(z)
Federal and related agencies	34	67	97	115	126	139	148	159	167	204	193
Federal National Mortgage Association	16	32	51	57	61	72	78	88	98	98	97
Farmers Home Administration [3]	2	1	1	3	2	2	2	1	1	48	43
Federal Land Banks	7	17	31	38	47	51	52	52	47	40	34
Federal Home Loan Mortgage Corp	(z)	5	4	5	5	5	8	10	14	12	13
Federal Housing and Veterans Admin	4	5	6	6	6	5	5	5	5	5	6
Government National Mortgage Assoc	5	7	4	5	5	4	3	2	1	1	(z)

- Represents zero. Z Less than $500 million. [1] Outstanding principal balances of mortgage pools backing securities insured or guaranteed by the agency indicated. [2] Includes mortgage companies, real estate investment trusts, state and local retirement funds, noninsured pension funds, credit unions, and other U.S. agencies. [3] FmHA-guaranteed securities sold to the Federal Financing Bank were reallocated from FmHA mortgage pools to FmHA mortgage holdings in 1986 because of accounting changes by the Farmers Home Administration.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 809. Holdings of Construction, Long-Term Mortgage, and Land Loans, by Type of Loan, 1970 to 1987, and by Lender, 1987

[In billions of dollars. As of end of year]

TYPE OF LOAN	1970	1975	1980	1984	1985	1986	1987						
							Total [1]	Lender					
								Savings and loan assn.	Commercial banks	Mutual savings banks	Life insurance companies	Federal credit agencies	Mortgage pools
Mortgage credits, total	**422**	**731**	**1,318**	**1,887**	**2,059**	**2,373**	**2,693**	**731**	**583**	**119**	**209**	**165**	**688**
Construction loans	18	41	63	146	152	173	196	53	120	8	1	1	-
1-4 unit family homes	5	13	26	39	34	36	39	19	17	2	-	1	-
Multifamily residential	6	12	14	26	28	37	42	15	16	3	(z)	1	-
Nonresidential	7	17	22	81	90	100	115	19	87	3	1	-	-
Farm properties	(z)	-	-	-	-	-	-	-	-	-	-	-	-
Long-term mortgage loans	400	679	1,242	1,711	1,872	2,160	2,444	650	438	111	208	164	688
1-4 unit family homes	267	435	857	1,183	1,294	1,507	1,712	477	248	78	13	108	664
FHA insured	62	68	105	155	176	221	246	4	9	5	2	10	204
VA guaranteed	37	57	91	120	127	135	139	8	5	5	1	4	111
Conventional	168	310	661	908	991	1,151	1,327	465	234	69	10	94	348
Multifamily	46	82	114	146	161	190	207	71	17	13	22	28	15
Nonresidential	66	128	205	299	338	393	466	102	159	19	163	6	(z)
Farm properties	20	34	66	84	79	70	56	-	14	-	10	24	9
Land loans	4	11	13	29	36	40	54	28	25	1	1	-	-

- Represents zero. Z Less than $500 million. [1] Includes other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970–1979;* and monthly and quarterly press releases based on Survey of Mortgage Lending Activity.

No. 810. Mortgage Activity by Lender: 1970 to 1987

[**In billions of dollars.** Loans outstanding are as of **end of year.** Bank and savings and loan data include Puerto Rico. See also *Historical Statistics, Colonial Times to 1970,* series N 266–267, X 836–839, and X 911]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Savings and loan associations:											
Loans acquired [1] [2]	22.0	58.3	104.6	81.7	58.5	67.2	148.9	194.2	210.6	289.6	275.0
Loans outstanding [3]	150.3	278.6	475.8	502.8	517.9	492.2	512.9	641.4	658.2	667.0	731.3
FHA-insured	10.2	16.5	13.0	12.8	12.0	12.1	12.8	12.3	11.1	8.8	5.0
VA-guaranteed	8.5	14.0	15.6	15.0	14.2	14.0	15.5	15.0	13.7	11.1	7.8
Conventional	131.7	248.0	447.2	475.0	491.7	466.1	484.6	614.1	633.4	647.1	718.6
Commercial banks: [4]											
Loans outstanding	73.3	136.2	243.8	262.3	282.7	299.0	328.0	374.8	425.3	497.9	582.5
Nonfarm residential	45.6	82.9	158.1	170.2	181.7	185.5	196.2	212.9	229.2	259.7	297.1
FHA-insured	7.9	6.3	4.8	4.4	4.5	4.6	5.6	5.8	5.7	7.0	8.8
VA-guaranteed	2.6	3.1	2.7	2.4	2.4	2.7	3.1	3.0	3.3	4.1	5.3
Conventional	35.1	73.5	150.6	163.3	174.7	178.2	187.5	204.1	220.2	248.6	283.0
Other nonfarm	23.3	46.9	77.1	83.5	92.7	105.1	122.4	151.3	184.8	225.4	270.9
Farm	4.4	6.4	8.6	8.5	8.3	8.4	9.3	10.5	11.4	12.8	14.5
Life insurance companies:											
Loans acquired [1]	6.6	8.8	19.6	18.3	13.0	10.0	18.8	19.2	31.7	40.6	39.5
Nonfarm	6.3	7.7	16.8	16.5	11.8	9.3	17.6	18.2	30.6	39.4	38.5
Farm	.3	1.1	2.8	1.8	1.2	.7	1.2	1.0	1.1	1.2	1.0
Loans outstanding	74.4	89.2	115.1	127.9	135.6	138.5	148.4	154.5	167.9	190.4	209.3
Nonfarm	68.7	82.4	103.0	115.0	122.5	125.7	135.7	142.1	156.1	179.4	199.4
FHA-insured	11.4	7.9	5.8	5.5	5.1	4.8	4.4	4.1	3.2	2.7	2.1
VA-guaranteed	5.4	3.9	3.0	2.8	2.6	2.5	2.3	2.0	1.5	1.2	1.0
Conventional	51.9	70.6	94.2	106.7	114.8	118.4	129.0	136.0	151.4	175.5	198.3
Farm	5.6	6.8	12.2	12.8	13.1	12.8	12.7	12.4	11.8	11.0	9.9

[1] Mortgage loans on all types of property acquired either by origination or purchase. Long term loans only, excluding construction and land loans. [2] Includes Guam. [3] Includes shares pledged against mortgage loans, junior liens and real estate sold on contract. [4] Includes loans held by nondeposit trust companies; excludes holdings of trust departments of commercial banks.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970–1979;* and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

No. 811. Purchases and Sales of Mortgage Loans, by Lender: 1970 to 1987

[**In billions of dollars.** Covers all types of property]

LENDER	PURCHASES					SALES				
	1970	1980	1985	1986	1987	1970	1980	1985	1986	1987
Total	**16.4**	**78.1**	**257.7**	**497.9**	**462.3**	**18.9**	**77.1**	**224.3**	**418.5**	**365.3**
Savings associations [1]	3.7	13.2	65.0	71.3	64.6	1.0	16.1	103.2	164.6	123.8
Savings banks	1.8	1.2	2.9	3.4	3.5	.3	.8	6.0	13.0	12.9
Commercial banks	.8	4.9	12.0	42.8	58.2	2.0	8.4	19.2	40.1	52.6
Mortgage companies	.1	3.4	20.9	55.2	50.1	12.5	37.0	78.0	181.2	166.5
Federal credit agencies	5.7	16.3	33.0	39.5	25.2	2.6	10.5	8.0	15.9	7.2
Mortgage pools	2.7	29.4	114.3	260.4	230.6	.3	4.1	5.5	1.4	.3
Other	1.6	9.7	9.6	25.3	30.2	.3	.3	4.4	2.3	2.3

[1] Includes Federal savings banks insured by the Federal Savings and Loan Insurance Corporation.

Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook,* annual. Data from U.S. Department of Housing and Urban Development.

No. 812. Mortgage Delinquency and Foreclosure Rates and Private and Government Mortgage Insurance: 1970 to 1987

[**In percent, except as indicated.** Covers one- to four-family residential nonfarm homes]

ITEM	1970	1975	1980	1983	1984	1985	1986	1987
Delinquency rates: [1]								
Total	3.13	4.37	4.97	5.59	5.66	5.84	5.56	4.97
Conventional loans	1.74	2.71	3.09	3.89	3.85	4.05	3.80	3.15
VA loans	3.03	4.17	5.33	6.09	6.38	6.63	6.58	6.21
FHA loans	3.65	5.45	6.56	7.07	7.28	7.46	7.17	6.56
Foreclosure rates: [2]								
Total	.33	.38	.38	.67	.73	.81	.98	1.06
Conventional loans	.08	.16	.17	.46	.47	.61	.69	.87
VA loans	.50	.38	.46	.76	.82	.88	1.14	1.26
FHA loans	.40	.46	.53	.84	.98	1.01	1.22	1.44
Claims paid by private mortgage insurers [3] (mil. dol.)	(NA)	(NA)	58.7	356.8	472.1	971.1	1,261.9	(NA)
Mortgage insurance outstanding: [4]								
Private (bil. dol.)	7.3	40.0	105.3	148.0	192.0	223.7	230.3	[5] 224.2
Government (bil. dol.)	97.3	127.7	195.2	248.8	265.9	268.8	328.9	(NA)

NA Not available. [1] Number of loans delinquent 30 days or more as percentage of mortgage loans serviced in survey. Annual average quarterly figures, seasonally adjusted. [2] Percentage of loans in the foreclosure process at yearend, not seasonally adjusted. [3] Source: Mortgage Insurance Companies of America, Washington, DC, unpublished data. [4] Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook,* annual. [5] Preliminary.

Source: Except as noted, Mortgage Bankers Association of America, Washington, DC, *National Delinquency Survey,* quarterly.

NO. 813. MORTGAGE AND CONSUMER DEBT OUTSTANDING—FAMILIES WITH DEBT, BY TENURE, AGE, AND FAMILY INCOME: 1983 AND 1986

n **percent.** Covers families with heads 25 years old and over. Families include one-person units; for definition of family, see text, section 1. Consumer installment debt covers regularly scheduled payments on closed-end consumer credit and financed balances on credit cards. Based on a sample survey of 2,822 families residing in the coterminous United States, excluding those on military reservations. This survey reinterviewed respondents to the 1983 Survey of Consumer Finance. Data are subject to sampling variability, see source]

AGE OF FAMILY HEAD AND FAMILY INCOME	PERCENT OF ALL FAMILIES—		HOMEOWNERS WITH—					OTHERS WITH—		
	Owning homes	With consumer installment debt	Total	No debt	Consumer installment debt only	Mortgage only	Mortgage and consumer installment debt	Total	No debt	Consumer installment debt
1983, total	67.2	56.9	100.0	27.5	14.5	14.0	44.0	100.0	46.4	53.6
1986, total	**70.9**	**58.5**	**100.0**	**26.0**	**15.9**	**13.7**	**44.4**	**100.0**	**45.7**	**54.3**
-34 years old	53.0	68.9	100.0	6.2	7.0	18.9	67.9	100.0	37.9	62.1
-44 years old	70.7	77.2	100.0	4.2	8.5	16.3	71.1	100.0	28.5	71.5
-54 years old	80.2	70.1	100.0	11.7	20.1	14.2	54.0	100.0	46.2	53.8
-64 years old	79.1	53.5	100.0	31.2	24.2	13.1	31.5	100.0	54.7	45.3
years old and over	78.7	25.4	100.0	65.3	19.8	7.7	7.2	100.0	80.8	19.2
es than $10,000	58.6	33.2	100.0	56.3	24.6	9.3	9.9	100.0	68.6	31.4
0,000–$19,999	59.6	51.7	100.0	39.1	18.1	13.0	29.8	100.0	42.8	57.2
0,000–$34,999	70.3	69.5	100.0	17.8	15.9	12.6	53.6	100.0	30.5	69.5
5,000–$49,999	84.8	76.9	100.0	11.1	14.3	11.4	62.8	100.0	26.7	73.3
0,000 or more	91.2	65.0	100.0	12.4	7.5	21.5	58.7	100.0	46.1	53.9

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin,* October 1987.

NO. 814. CONSUMER CREDIT OUTSTANDING: 1970 TO 1987

[**In billions of dollars, except percent.** Estimated amounts of credit outstanding as of **end of year.** Seasonally adjusted. See also *Historical Statistics, Colonial Times to 1970,* series X 551–560]

TYPE OF CREDIT	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Credit outstanding	**131.6**	**204.9**	**263.8**	**308.3**	**347.5**	**349.4**	**366.6**	**381.1**	**430.4**	**511.8**	**592.4**	**646.1**	**685.5**
Ratio to disposable personal income [1] (percent)	18.3	17.9	19.1	19.8	20.0	18.2	17.2	16.9	17.7	19.1	20.8	21.3	21.5
tallment	103.9	167.0	221.5	262.0	296.5	297.6	310.7	323.5	367.9	442.5	517.8	571.8	613.0
Automobile paper	36.3	56.9	80.9	98.7	112.4	111.9	118.9	124.2	143.7	173.7	209.6	246.1	267.1
Revolving	4.9	14.5	36.6	45.2	53.3	54.8	60.8	66.2	78.6	100.2	122.0	136.3	159.3
Mobile home paper	2.4	15.3	16.3	16.9	18.2	18.6	20.3	22.8	23.7	25.7	26.8	26.8	25.9
All other loans	60.2	80.1	87.4	101.1	112.4	112.1	110.5	110.2	121.6	142.8	159.2	162.4	160.5
Commercial banks	48.6	82.9	112.1	135.5	152.7	145.5	146.0	149.1	169.3	209.1	241.6	262.2	281.6
Finance companies	27.2	32.7	38.3	45.7	57.1	61.9	69.7	74.9	82.9	89.5	111.0	133.7	140.1
Credit unions	12.8	25.4	37.3	43.9	46.1	43.6	45.5	46.8	52.9	65.5	71.9	76.1	81.1
Retailers [2]	12.9	16.6	21.4	23.6	25.5	26.1	28.4	29.4	34.1	37.2	39.1	39.6	42.7
Other [3]	2.3	9.2	12.2	13.0	14.9	20.3	20.8	23.2	28.4	41.1	53.9	60.1	67.5
ninstallment	27.7	37.9	42.3	46.3	51.0	51.8	56.0	57.6	62.5	69.2	74.7	74.2	72.5
Single-payment loans	18.9	26.8	32.1	35.1	39.1	39.6	43.8	45.5	48.8	54.6	59.1	57.2	54.2
Charge accounts	8.7	11.0	10.2	11.2	11.8	12.1	12.1	12.0	13.6	14.6	15.6	17.0	18.2

[1] Based on fourth quarter seasonally adjusted disposable personal income at annual rates as published by the U.S. Bureau of onomic Analysis in sources listed in table 695.

[2] Excludes 30-day charge credit held by travel and entertainment companies.

[3] Comprises savings institutions and gasoline companies.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin,* monthly; *Annual Statistical Digest;* and published data.

No. 815. INSTALLMENT CREDIT—FINANCE RATES ON SELECTED TYPES OF CREDIT FOR COMMERCIAL BANKS AND FINANCE COMPANIES: 1975 TO 1987

[**In percent.** Annual averages. Commercial bank rates are "most common" rates for direct loans with specified maturities; finance company rates are weighted averages for purchased contracts]

TYPE	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Commercial banks:												
New automobiles (48 months) [1]	11.36	10.92	11.02	12.02	14.30	16.54	16.83	13.92	13.71	12.91	11.33	10.46
Mobile homes (120 months) [1]	11.82	11.84	12.09	12.77	14.99	17.45	18.05	15.91	15.58	14.96	13.99	13.38
Other consumer goods (24 months)	13.08	12.97	13.19	13.85	15.47	18.09	18.65	16.68	16.47	15.94	14.82	14.23
Credit-card plans	17.16	16.89	17.03	17.03	17.31	17.78	18.51	18.78	16.77	18.69	18.26	17.93
Finance companies:												
New automobiles	13.12	13.14	13.15	13.51	14.82	16.17	16.15	12.58	14.62	11.98	9.44	10.73
Used automobiles	17.63	17.62	17.67	17.98	19.10	20.00	20.75	18.74	17.85	17.59	15.95	14.61

[1] For 1975–1982, maturities were 36 months for new car loans and 84 months for mobile home loans.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; *Annual Statistical Digest*; and unpublished data.

No. 816. DELINQUENCY RATES ON BANK INSTALLMENT LOANS BY TYPE OF LOAN: 1970 TO 1987

[**In percent, except as indicated.** As of **end of year;** seasonally adjusted, except as noted. Number of loans having an installment past due for 30 days or more as a percentage of total installment loans outstanding]

TYPE OF CREDIT	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
DELINQUENCY RATES										
Closed-end installment loans, total	2.14	2.77	2.82	2.61	2.39	1.94	2.09	2.32	2.26	2.47
Personal loans [1]	2.39	3.43	3.53	3.20	3.04	2.84	3.16	3.63	3.11	3.66
Automobile, direct loans	1.43	1.54	1.81	1.80	1.68	1.53	1.47	1.64	1.80	1.59
Automobile, indirect loans	1.94	1.95	2.29	2.03	1.73	1.50	1.77	2.02	2.09	2.20
Property improvement [2]	1.96	1.96	1.93	1.98	1.98	2.14	2.00	1.91	1.77	1.88
Home equity and second mortgage loans [3]	(NA)	(NA)	(NA)	(NA)	(NA)	1.94	1.77	2.06	1.85	2.01
Mobile home loans	2.59	3.82	3.14	3.37	2.69	2.44	2.56	2.39	3.04	2.57
Recreational vehicle loans	(NA)	2.21	1.94	2.05	1.88	1.58	1.87	1.84	1.92	1.98
Bank card loans	(NA)	2.33	2.72	2.53	2.38	2.08	2.81	2.95	3.15	2.33
Revolving credit loans	(NA)	2.16	2.70	2.86	2.16	1.44	1.50	1.96	1.53	2.33
REPOSSESSIONS PER 1,000 LOANS OUTSTANDING										
Mobile home	3.59	2.26	1.57	1.47	1.14	1.23	1.29	1.21	2.50	1.59
Automobile, direct loans	1.52	.65	1.10	.99	.90	.70	.72	1.11	1.15	.86
Automobile, indirect loans	4.88	1.75	2.75	2.40	2.13	1.56	1.58	2.08	1.95	2.04

NA Not available. [1] Beginning 1983, includes home applicance loans. [2] Beginning 1983, own plan and FHA Title I loans. [3] Seasonally not adjusted.

Source: American Bankers Association, Washington, DC; *Consumer Credit Delinquency Bulletin*, quarterly.

No. 817. CREDIT CARDS—HOLDERS, NUMBERS, SPENDING AND DEBT: 1980 TO 1987

TYPE OF CREDIT CARD	CARDHOLDERS (mil.)			NUMBER OF CARDS (mil.)			CREDIT CARD SPENDING (bil. dol.)			CREDIT CARD DEBT (bil. dol.)		
	1980	1985	1987	1980	1985	1987	1980	1985	1987	1980	1985	1987
Total	(NA)	(NA)	[1] 107.2	(NA)	(NA)	[2] 841.4	205.4	322.7	374.8	81.2	128.0	152.5
Bank	63.3	73.3	79.0	110.6	161.4	204.6	52.9	125.9	165.3	25.0	65.6	91.4
Travel and entertainment	10.5	15.5	15.6	10.3	18.8	21.9	21.2	51.0	80.4	2.7	6.4	10.0
Retail store	83.0	91.0	92.8	290.5	341.0	380.8	74.4	90.0	68.8	47.3	50.5	38.4
Oil company marketers	68.5	78.0	59.9	109.6	117.0	118.8	28.9	28.8	24.1	2.2	2.7	3.2
Other [3]	(NA)	(NA)	[4] 80.0	(NA)	(NA)	[4] 80.0	28.0	27.0	36.2	4.0	2.8	9.5

NA Not available. [1] Cardholders may hold more than one type of card. [2] Includes other types not shown separately. [3] Spending and debt data cover airline and automobile rental cards, telephone company cards and other miscellaneous credit cards. [4] Telephone cards.

Source: HSN Consultants Inc., Los Angeles, CA, *The Nilson Report*, monthly. (Copyright used by permission.)

No. 818. MONTHLY USE OF BANKING ACCOUNTS, CREDIT CARDS, AND CASH: 1984 AND 1986

[**In percent, except as indicated.** Families include one-person units; for definition of family, see text, section 1. Based on sample surveys of 1,885 families in 1984 and 658 families in 1986 residing in the United States. Data are subject to sampling variability, see source. For definition of median, see Guide to Tabular Presentation]

ITEM	1984	1986
Percent of families paying with—		
Cash, checks and credit cards [1]	67	66
Cash and checks [1]	20	19
Cash and money orders	7	8
Cash only	6	7
Percent of aggregate household expenditures paid with—		
Checking [1]	52	48
Savings/money market accts.[2]	10	8
Credit cards	7	8
Money orders	1	2
Cash	30	34
MAIN CHECKING ACCOUNTS		
Percent of families owning these accounts	87	85
Median account balance [3 4]	$580	$650
Median number of checks [5]	14	14
Median size of check [4 5]	$78	$65

ITEM	1984	1986
MONEY ORDER		
Percent of families using money orders	15	14
Avg. size of money order [4 6]	$147	$153
SAVINGS AND MONEY MARKET ACCOUNTS [2]		
Percent of families owning these accounts	69	59
Median balance [3 4]	$3,107	$2,500
Median number of withdrawals [5]	1	2
Median size of withdrawals [4 5]	$401	$138
CREDIT CARDS		
Percent of families—		
Owning credit cards	71	71
Using credit cards [7]	76	82
Revolving credit card accts.[8]	(NA)	49
Median number of: Cards per family [7]	4	5
Transactions per family [9]	4	5
Median amount: Per transaction [4 9]	$33	$35
Charged per family [4 9]	$165	$150

NA Not available. [1] Checks include personal checks, bank checks, automatic payments, and electronic payments. [2] Money market accounts cover money market deposit accounts and money market mutual funds. [3] For account owners. [4] In constant (1986) dollars. [5] For families using the account. Withdrawals are net of transfers, cash withdrawals, and investments. [6] For families using money orders. [7] For credit card owners. [8] For families who own bank or store credit cards. [9] For families using credit cards during the month.

No. 819. MAIN CHECKING ACCOUNT FEATURES, ELECTRONIC FUND TRANSFERS, AND AUTOMATED TELLER MACHINES (ATM): 1986

[**Percent of all checking accounts, except as indicated.** See headnote, table 818]

ITEM	Percent
Checking accounts:	
Location of checking account—	
Commercial bank	67
Savings and loan	23
Credit union or brokerage house	11
Interest and service charge payments—	
Account receives interest only	27
Service charges only	35
Neither interest nor service charges	26
Both interest and service charges	12
Balance in account kept higher to avoid fees	49
Interest rate dependent on balance [1]	74

ITEM	Percent
Service charge: [2]	
Dependent only on account balance	30
Dependent only on number of checks	31
Dependent on both checks and account balance	24
Flat or dependent on other factors	16
Overdraft protection	43
Electronic fund transfers:	
Percent of families using—	
Direct deposit	32
Automatic payment	28
Automated teller machines:	
Percent of families owning ATM access card [3]	46
Percent of owners using ATM to withdraw cash	69
Median number of ATM cash withdrawals in month [4]	4

[1] For all accounts paying interest. [2] For all accounts paying service charges. [3] For families owning at least one transaction account. [4] For families who used an ATM to withdraw cash during the month.

Source of tables 818 and 819: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, March 1987.

No. 820. BANK DEBITS AND DEPOSIT TURNOVER: 1975 TO 1987

[**Debits in trillions of dollars; turnover as ratio of debits to deposits.** Annual averages of monthly data]

ITEM	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Debits to—												
Demand deposits, all banks [1]	25.1	34.3	40.2	49.9	63.1	81.3	96.5	112.3	131.6	156.3	188.8	217.3
Major New York City banks	9.7	13.8	15.0	18.5	25.3	34.1	39.8	47.6	57.3	70.7	91.6	104.6
Other banks	15.4	20.5	25.2	31.3	37.9	47.2	56.7	64.7	74.2	85.6	97.1	112.7
ATS/NOW accounts [2]	(NA)	(Z)	(Z)	.1	.2	.7	1.0	1.4	1.6	1.8	2.2	2.4
Money market deposit accounts (MMDA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	.6	.9	1.2	1.6	2.0
Savings deposits [3]	(NA)	.3	.4	.6	.7	.7	.7	.7	.4	.4	.4	.5
Deposit turnover:												
All banks [1]	105	129	139	164	203	266	343	386	441	501	557	613
Major New York City banks	358	503	543	645	816	1,116	1,354	1,522	1,840	2,200	2,500	2,677
Other banks	73	86	96	113	135	186	225	249	278	306	322	357

NA Not available. Z Less than $50 billion. [1] Represents accounts of individuals, partnerships, and corporations, and of States and political subdivisions at insured commercial banks. [2] Accounts authorized for negotiable orders of withdrawal (NOW) and accounts authorized for automatic transfer to demand deposits (ATS). [3] Excludes ATS and NOW accounts, MMDA and special club accounts, such as Christmas and vacation clubs.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and *Annual Statistical Digest*.

No. 821. Money Stock and Liquid Assets: 1970 to 1988

[In billions of dollars. As of December. Seasonally adjusted averages of daily figures. See *Historical Statistics, Colonial Times to 1970,* series X 410–417 for similar data]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988, Mar.
M1, total	**215**	**288**	**386**	**412**	**439**	**476**	**522**	**552**	**620**	**725**	**751**	**763**
Currency [1]	47	73	105	115	123	134	146	156	168	180	197	201
Travelers checks [2]	1	2	4	4	4	4	5	5	6	7	7	7
Demand deposits [3]	165	212	258	261	231	234	239	244	267	303	288	288
Other checkable deposits [4]	(Z)	1	20	31	81	105	132	146	179	235	259	267
M2, total	**628**	**1,023**	**1,500**	**1,633**	**1,796**	**1,954**	**2,185**	**2,364**	**2,563**	**2,808**	**2,902**	**2,969**
M1	215	288	386	412	439	476	522	552	620	725	751	763
Nontransaction components in M2 [5]	414	736	1,114	1,221	1,357	1,478	1,663	1,812	1,943	2,082	2,151	2,206
Overnight repurchase (RP) agreements and Eurodollars [6]	1	6	21	28	36	39	54	56	70	78	78	75
Money market funds, general purpose and broker/dealer [6]	(Z)	3	33	62	151	185	138	168	177	208	222	235
Money market deposit accounts [6]	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	379	417	514	573	525	525
Commercial banks	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	231	267	333	380	358	361
Thrift institutions	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	149	149	181	193	167	164
Savings deposits	327	389	424	400	344	357	306	286	301	371	414	420
Commercial banks	128	161	195	186	159	164	133	123	125	156	178	183
Thrift institutions	199	228	229	214	185	193	172	163	177	215	236	237
Small time deposits [7]	266	338	634	728	823	851	784	883	880	853	913	954
Commercial banks	117	142	236	286	348	380	351	386	383	365	385	398
Thrift institutions	149	196	399	442	475	471	434	497	496	489	529	556
M3, total	**677**	**1,172**	**1,807**	**1,991**	**2,237**	**2,443**	**2,693**	**2,978**	**3,196**	**3,490**	**3,662**	**3,746**
M2	628	1,023	1,500	1,633	1,796	1,954	2,185	2,364	2,563	2,808	2,902	2,969
Nontransaction components in M3 [5]	49	149	306	358	441	489	508	615	633	683	760	777
Large time deposits [8]	45	130	223	260	303	327	327	417	436	439	485	491
Commercial banks [9]	45	123	191	215	249	263	231	270	285	289	324	326
Thrift institutions	1	6	32	45	54	64	97	147	152	150	161	165
Term RP's and term Eurodollars [6] [10]	4	18	74	84	104	116	143	145	142	168	196	197
Money market funds, institution only [6]	(Z)	(Z)	10	15	38	51	43	63	65	84	90	97
L, total	**816**	**1,367**	**2,120**	**2,328**	**2,599**	**2,853**	**3,154**	**3,519**	**3,825**	**4,134**	**4,334**	**4,426**
M3	677	1,172	1,807	1,991	2,237	2,443	2,693	2,978	3,196	3,490	3,662	3,745
Savings bonds	52	67	80	72	68	68	71	74	79	92	100	104
Short-term Treasury securities [11]	49	68	109	134	149	184	212	261	301	284	267	256
Bankers acceptances	4	10	27	32	40	45	45	46	43	38	46	41
Commercial paper [12]	35	49	98	99	105	114	133	160	207	230	259	280

Z Less than $500 million. [1] Currency outside U.S. Treasury, Federal Reserve Banks and the vaults of depository institutions. [2] Outstanding amount of nonbank issuers. [3] At commercial banks and foreign-related institutions. [4] Consists of negotiable order of withdrawal (NOW) and automatic transfer service (ATS) accounts at all depository institutions, credit union share draft balances and demand deposits at thrift institutions. [5] This sum is seasonally adjusted as a whole. [6] Not seasonally adjusted. [7] Issued in amounts of less than $100,000. Includes retail repurchase agreements. Excludes individual retirement accounts (IRAs) and Keogh accounts. [8] Issued in amounts of $100,000 or more. Excludes those booked at international banking facilities. [9] Excludes those held by money market mutual funds, depository institutions and foreign banks and official institutions. [10] Excludes those held by depository institutions and money market mutual funds. [11] U.S. Treasury bills and coupons with remaining maturities of less than 12 months held by other than depository institutions, Federal Reserve banks, money market mutual funds and foreign entities. [12] Excludes commercial paper held by money market mutual funds.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin,* monthly, and *Money Stock, Liquid Assets, and Debt Measures, Federal Reserve Statistical Release H.6,* weekly.

No. 822. Federal Reserve Bank of New York—Discount Rates: 1976 to 1988

[**Percent per year.** Rates for short-term adjustment credit. For rates applicable to other types of discount window credit, see source. See also *Historical Statistics, Colonial Times to 1970,* series X 454–455]

EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate
1976: Jan. 19	5½	**1979:** July 20	10	**1981:** May 5	14	**1984:** April 9	9
Nov. 22	5¼	Aug. 17	10½	Nov. 2	13	Nov. 21	8½
1977: Aug. 31	5¾	Sept. 19	11	Dec. 4	12	Dec. 24	8
Oct. 26	6	Oct. 8	12	**1982:** July 20	11½	**1985:** May 20	7½
1978: Jan. 9	6½	**1980:** [1] Feb. 15	13	Aug. 2	11	**1986:** March 7	7
May 11	7	May 30	12	Aug. 16	10½	April 21	6½
July 3	7¼	June 13	11	Aug 27	10	July 11	6
Aug. 21	7¾	July 28	10	Oct. 12	9½	Aug. 12	5½
Sept. 22	8	Sept. 26	11	Nov. 22	9	**1987:** Sept. 4	6
Oct. 16	8½	Nov. 17	12	Dec. 15	8½		
Nov. 1	9½	Dec. 5	13			In effect, **June 30, 1988**	6

[1] See table 823, footnote 5.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin,* monthly, and *Annual Statistical Digest*

No. 823. Money Market Interest Rates and Mortgage Rates: 1970 to 1987

[Percent per year. Annual averages of monthly data, except as indicated. See also *Historical Statistics, Colonial Times to 1970,* series X 444–453]

TYPE	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Federal funds, effective rate	7.18	5.82	7.93	11.19	13.36	16.38	12.26	9.09	10.23	8.10	6.80	6.66
Commercial paper, 3-month [1] [2]	(NA)	6.25	7.94	10.97	12.66	15.33	11.89	8.88	10.10	7.95	6.49	6.81
Prime rate charged by banks	7.91	7.86	9.06	12.67	15.27	18.87	14.86	10.79	12.04	9.93	8.33	8.20
Eurodollar deposits, 3-month	8.52	7.03	8.78	11.96	14.00	16.79	13.12	9.57	10.75	8.27	6.70	7.07
Finance paper, 3-month [2] [3]	7.18	6.15	7.80	10.47	11.49	14.08	11.23	8.70	9.73	7.77	6.38	6.54
Bankers acceptances, 90-day [2] [4]	7.31	6.29	8.06	10.99	12.72	15.32	11.89	8.90	10.14	7.92	6.39	6.74
Large negotiable certificates of deposit, 3-month, secondary market	7.56	6.44	8.22	11.22	13.07	15.91	12.27	9.07	10.37	8.05	6.52	6.86
Federal Reserve discount rate [5]	5½–6	6–7¾	6–9½	9½–12	10–13	12–14	8½–12	8½	8–9	7½–8	5½–7½	5½–6
U.S. Government securities: [6]												
3-month Treasury bill	6.39	5.78	7.19	10.07	11.43	14.03	10.61	8.61	9.52	7.48	5.98	5.77
6-month Treasury bill	6.51	6.09	7.58	10.06	11.37	13.80	11.07	8.73	9.76	7.65	6.03	6.03
1-year Treasury bill	6.48	6.28	7.74	9.75	10.89	13.14	11.07	8.80	9.92	7.81	6.08	6.32
Prime 1-year municipals [7]	4.35	3.91	4.15	5.34	6.25	7.92	7.88	5.29	6.05	5.12	4.33	4.44
Home mortgages (HUD series [8]):												
FHA insured, secondary market [9]	9.03	9.19	9.70	10.87	13.44	16.31	15.31	13.11	13.82	12.24	9.91	10.12
Conventional, new-home [10] [11]	8.52	9.10	9.68	11.15	13.95	16.52	15.79	13.43	13.80	12.28	10.07	10.13
Conventional, existing-home [10]	8.56	9.14	9.70	11.16	13.95	16.55	15.82	13.45	13.81	12.29	10.09	10.14

NA Not available. [1] Based on daily offering rates of dealers. [2] Yields are quoted on a bank-discount basis, rather than an investment yield basis (which would give a higher figure). [3] Placed directly; averages of daily offering rates quoted by finance companies. [4] Based on the most representative daily offering rates of dealers. Beginning Aug. 15, 1974, closing rates were used, and from Jan. 1, 1981, rates of top-rated banks only. [5] Federal Reserve Bank of New York, low and high. The discount rates for 1980 and 1981 do not include the surcharge applied to frequent borrowings by large institutions. The surcharge reached 3 percent in 1980 and 4 percent in 1981. Surcharge was eliminated in Nov. 1981. [6] Averages based on daily closing bid yields in secondary market, bank discount basis. [7] Averages based on quotations for one day each month. Source: Salomon Brothers, Inc., New York, NY, *An Analytical Record of Yields and Yield Spreads.* [8] HUD=Housing and Urban Development.

[9] Averages based on quotations for 1 day each month as compiled by FHA. [10] Primary market. [11] Average contract rates on new commitments.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin,* monthly, and *Annual Statistical Digest.*

No. 824. Bond and Stock Yields: 1970 to 1987

[Percent per year. Annual averages of monthly data, except as indicated. See also *Historical Statistics, Colonial Times to 1970,* series X 474–491]

TYPE	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
U.S. Treasury, constant maturities: [1] [2]											
3-year	7.29	7.49	9.72	11.55	14.44	12.92	10.45	11.89	9.64	7.06	7.67
5-year	7.38	7.77	9.52	11.48	14.24	13.01	10.80	12.24	10.13	7.31	7.94
10-year	7.35	7.99	9.44	11.46	13.91	13.00	11.11	12.44	10.62	7.68	8.38
U.S. Govt., long-term bonds [2] [3]	6.58	6.98	8.74	10.81	12.87	12.23	10.84	11.99	10.75	8.14	8.63
State and local govt. bonds, Aaa [4]	6.12	6.42	5.92	7.86	10.42	10.88	8.80	9.61	8.60	6.95	7.12
State and local govt. bonds, Baa [4]	6.75	7.62	6.73	9.02	11.76	12.48	10.17	10.38	9.58	7.75	8.17
High-graded municipal bonds (Standard & Poor's) [5]	6.51	6.89	6.39	8.51	11.23	11.57	9.47	10.15	9.18	7.38	7.73
Municipal (Bond Buyer, 20 bonds)	6.35	7.05	6.52	8.59	11.33	11.66	9.51	10.10	9.11	7.32	7.65
Corporate Aaa seasoned [4]	8.04	8.83	9.63	11.94	14.17	13.79	12.04	12.71	11.37	9.02	9.38
Corporate Baa seasoned [4]	9.11	10.61	10.69	13.67	16.04	16.11	13.55	14.19	12.72	10.39	10.58
Corporate Aaa utility bonds [6]	8.72	9.17	9.92	12.68	15.65	14.71	12.25	13.40	11.67	9.09	9.40
Corporate, by years to maturity: [7]											
5 years	8.10	7.70	9.40	12.80	13.25	13.78	9.90	10.20	10.40	7.35	6.80
10 years	8.00	8.00	9.35	12.40	13.00	13.99	10.55	11.80	11.60	8.05	7.65
20 years	7.60	8.35	9.08	12.30	13.00	14.00	11.00	12.60	12.50	8.50	8.00
30 years	7.60	8.35	9.10	12.30	13.00	14.00	11.00	12.60	12.50	8.50	8.00
Corporate (Moody's) [4]	8.51	9.57	10.12	12.75	15.06	14.94	12.78	[8] 13.49	12.05	9.71	9.91
Industrials (37 bonds) [9]	8.26	9.25	9.85	12.35	14.50	14.54	12.25	13.21	11.80	9.96	9.83
Railroads (13 bonds) [10]	8.77	9.39	9.60	11.48	13.22	13.68	12.08	13.07	11.94	9.85	9.63
Public utilities (40 bonds)	8.68	9.88	10.39	13.15	15.62	15.33	13.31	[8] 14.03	12.29	9.46	9.98
Stocks (Standard & Poor's): [5]											
Preferred (10 stocks) [11]	7.22	8.36	9.11	10.60	12.36	12.53	11.02	11.59	10.49	8.76	8.37
Common: Composite (500 stocks)	3.83	4.31	5.47	5.26	5.20	5.81	4.40	4.64	4.25	3.48	3.08
Industrials (400 stocks)	3.62	3.96	5.20	4.95	4.90	5.48	4.04	4.05	3.76	3.09	2.62

[1] Yields on the more actively traded issues adjusted to constant maturities by the U.S. Treasury. [2] Yields are based on closing bid prices quoted by at least five dealers. [3] Averages (to maturity or call) for all outstanding bonds neither due nor callable in less than 10 years, including several very low yielding "flower" bonds. [4] Source: Moody's Investors Service, New York, NY. [5] Source: Standard & Poor's Corp., New York, NY, *Standard & Poor's Outlook,* weekly. [6] Based on first trading day of each month, deferred call, new issue estimate. Source: Salomon Brothers, Inc., New York, NY, *An Analytical Record of Yields and Yield Spreads.* [7] Source: Scudder, Stevens & Clark, New York, NY, unpublished data. [8] The Aaa public utility average was suspended on Jan. 17, 1984 because of a lack of appropriate issues. The average corporate does not include Aaa utilities from Jan. 17 to Oct. 12. The Aaa utility average was reinstated on Oct. 12. Thirty public utility bonds were used during the period Jan. 17–Oct. 12, 1984. [9] Covers 40 bonds for period 1970–1983 and 38 bonds for 1984–1986. [10] Covers 23 bonds for period 1970–1981, 15 bonds for 1982, and 17 bonds for 1983. [11] Yields based on 10 stocks, 4 yields. Issues converted to a price equivalent to $100 par and a 7 percent annual dividend before averaging.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin,* monthly.

NO. 825. SELECTED TIME DEPOSITS AND OTHER ACCOUNTS AT INSURED COMMERCIAL BANKS—DEPOSITS AND INTEREST RATES: 1984 TO 1988

[Estimates based on data collected from a sample of about 500 banks]

TYPE OF DEPOSIT	AMOUNT OUTSTANDING (mil. dol.)					AVERAGE RATE PAID (percent)				
	1984, Dec.	1985, Dec.	1986, Dec.	1987, Dec.	1988, Mar.	1984, Dec.	1985, Dec.	1986, Dec.	1987, Dec.	1988, Mar.
"Super NOW" accounts [1]	34,686	44,545	164,247	174,752	176,212	7.01	5.99	5.00	4.95	4.89
Money market deposit accounts [2]	271,160	330,077	379,998	353,807	357,647	8.10	6.71	5.19	5.43	5.34
Money market certificates: [3]										
7–31 day	5,354	5,318	6,101	7,145	6,249	8.01	6.85	5.45	6.02	5.82
32–91 day	17,953	20,968	21,601	23,306	21,951	8.07	7.16	5.62	6.26	6.03
92–182 day	165,349	147,777	131,483	132,440	129,932	8.77	7.50	5.70	6.75	6.50
183 day–1 year	59,429	66,131	72,227	96,799	103,729	9.11	7.77	5.93	7.14	6.86
1–2½ year	69,875	81,172	83,761	89,619	95,626	9.73	8.24	6.22	7.46	7.19
2½ year or more	107,119	115,355	120,699	121,325	123,323	10.16	8.73	6.61	7.86	7.57
All IRA and Keogh Plan deposits	44,033	59,352	73,127	83,241	86,039	(NA)	(NA)	(NA)	(NA)	(NA)
Retail repurchase agreements [4]	1,228	1,294	1,062	767	989	7.49	6.77	5.37	5.46	5.47

NA Not available. [1] Negotiable order of withdrawal accounts containing an agreement between depositor and depository such that some or all funds deposited are eligible to earn more than 5.25 percent. As of January 1, 1986 interest rate ceilings were removed from all NOW accounts. Beginning with the December 1986 data the "Super NOW" accounts category includes all NOW accounts, including those accounts which were subject to a 5.25 percent regulatory interest rate restriction prior to January 1, 1986. Estimates for NOW accounts beginning in December 1986 are based on reports of deposits. [2] Deposits with no minimum balance requirement and no required minimum maturity but institutions must reserve the right to require at least seven days' notice prior to withdrawal, no restrictions on depositor eligibility, or limitations on the amount of interest that may be paid; such accounts may allow up to six transfers per month, no more than three of which may be draft and may permit unlimited withdrawals by mail, messenger, or in person. Estimates based on reports of deposits. [3] All interest-bearing time certificates and open account time deposits with balances of less than $100,000, including those held in IRAs and Keogh Plan deposits. [4] Retail repurchase agreements are in denominations of less than $100,000 with maturities of less than 90 days that arise from the transfer of direct obligations of, or obligations fully-guaranteed as to principal and interest by, the U.S. Government or an agency thereof.

Source: Board of Governors of the Federal Reserve System, *Money Stock, Liquid Assets, and Debt Measures, Federal Reserve Statistical Release H.6*, weekly.

NO. 826. SECURITY PRICES: 1970 TO 1987

[Annual averages of monthly figures, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series X 492-498]

CLASS OR ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Bond prices (dollars per $100 bond):										
Standard & Poor's: Municipal [1] [2]	72.3	68.9	57.4	43.2	41.8	51.4	48.0	53.0	65.1	62.7
Dow Jones and Co., Inc.: [3]										
Yearly high	69.7	69.7	76.6	65.8	71.5	77.8	72.9	83.7	93.7	95.5
Yearly low	64.4	66.2	61.0	55.0	55.7	69.4	64.8	72.3	83.7	81.3
Stock prices:										
Standard & Poor's common index (500 stocks) (1941–43=10) [4]	83.2	86.2	118.7	128.0	119.7	160.4	160.5	186.8	236.3	268.8
Industrial	91.3	96.6	134.5	144.2	133.6	180.5	181.3	207.8	262.2	330.5
N.Y. Stock Exchange common stock index (Dec. 31, 1965=50):										
Composite	45.7	45.7	68.1	74.0	68.9	92.6	92.5	108.1	136.0	161.7
Yearly high [5]	52.4	51.2	81.0	79.1	82.4	99.6	98.1	121.9	145.8	188.0
Yearly low [5]	37.7	37.1	55.3	65.0	58.8	79.8	85.1	94.6	117.8	125.9
Industrial	48.0	50.5	78.6	85.4	78.2	107.5	108.0	123.8	155.9	195.3
Transportation	32.1	31.1	60.5	72.6	60.4	89.4	85.6	104.1	119.9	140.4
Utility	37.2	31.5	37.3	38.9	39.8	47.0	46.4	56.8	71.4	74.3
Finance	54.6	47.1	64.3	73.5	72.0	95.3	89.3	114.2	147.2	146.5
American Stock Exchange Market Value Index (Aug. 31, 1973=50)	48.3	41.6	150.6	171.8	141.3	216.5	208.0	229.1	264.4	316.4
NASDAQ OTC composite [6]	(NA)	77.6	202.3	195.9	232.4	278.6	247.4	324.9	348.8	402.9
Industrial	(NA)	81.0	261.4	229.3	273.6	323.7	260.7	330.2	349.3	422.9
Insurance	(NA)	80.9	166.8	194.3	226.4	257.6	283.1	382.1	404.1	425.5
Banks	(NA)	72.4	118.4	143.1	156.4	203.8	229.8	349.4	412.5	465.1
Dow Jones and Co., Inc., total (65 stocks) [1] [7]	243.9	247.3	328.2	364.6	345.4	472.2	463.1	541.6	702.5	849.5
Industrial (30 stocks)	753.2	802.8	891.4	932.9	884.4	1,190.3	1,178.5	1,328.2	1,792.8	2,276.0
Transportation (20 stocks)	152.4	163.4	307.2	396.6	359.8	544.6	513.8	645.1	785.4	929.2
Public utility (15 stocks)	108.8	79.8	110.4	108.6	112.0	130.0	131.8	157.6	195.2	201.7
Wilshire 5000 equity index [8] (Dec. 31, 1980=1404.596)	[9] 830.3	763.8	1,220.7	1,343.7	1,233.7	1,691.5	1,644.6	1,923.8	2,418.8	2,843.7
Standard & Poor's:										
Dividend-price ratio (percent)	3.83	4.31	5.26	5.20	5.81	4.40	4.64	4.25	3.48	3.08
Earnings-price ratio (percent)	6.45	9.14	12.66	11.67	11.60	8.02	10.02	8.12	6.09	5.48

NA Not available. [1] Source: U.S. Bureau of Economic Analysis. [2] Derived from average yields on basis of assumed 4 percent, 20-year bond; Wednesday closing prices. [3] Source: Dow Jones and Co., Inc., New York, NY. Effective June 30, 1976, the Dow Jones averages of 20 income railroad bonds were discontinued. With the dropping of the rail averages, which had been part of the Dow-Jones 40-bond average, the 40-bond average became a 20-bond average consisting of 10 utility bonds and 10 industrial bonds. [4] Effective July 1976, the index includes 400 industrial stocks (formerly 425), 20 transportation (formerly 15 rail), 40 public utility (formerly 60), and 40 financial stocks, not previously covered. [5] Source: New York Stock Exchange, Inc., New York, NY, *Fact Book*, annual. [6] Source: National Association of Securities Dealers, Washington, DC, *Fact Book*, annual. OTC=over-the-counter. [7] Based on stocks listed on the New York Stock Exchange. [8] Represents return on the market value of all common equity securities for which daily pricing is available. For 1970–1975, annual average of end of month figures; thereafter, annual average of daily figures. Source: Wilshire Associates, Santa Monica, CA, releases. [9] Represents Dec. 31, 1970.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 827. FOREIGN PURCHASES AND SALES OF U.S. SECURITIES, BY TYPE OF SECURITY, 1980 TO 1987, AND BY SELECTED COUNTRY, 1986 AND 1987

[In **billions of dollars.** Covers transactions in all types of long-term domestic and foreign securities by foreigners as reported by banks, brokers, and other entities in the United States (except non-marketable U.S. Treasury notes, foreign series; and nonmarketable U.S. Treasury bonds and notes, foreign currency series). Data cover new issues of securities, transactions in outstanding issues, and redemptions of securities. Includes transactions executed in the U.S. for the account of foreigners, and transactions executed abroad for the account of reporting institutions and their domestic customers. Data by country show the country of domicile of the foreign buyers and sellers of the securities; in the case of outstanding issues, this may differ from the country of the original issuer. The term "foreigner" covers all institutions and individuals domiciled outside the U.S., including U.S. citizens domiciled abroad, and the foreign branches, subsidiaries and other affiliates abroad of U.S. banks and businesses; the central governments, central banks, and other official institutions of foreign countries; and international and regional organizations. "Foreigner" also includes persons in the U.S. to the extent that they are known by reporting institutions to be acting on behalf of foreigners. Minus sign (–) indicates net sales by foreigners or a net outflow of capital from the U.S.]

YEAR AND COUNTRY	NET PURCHASES					TOTAL TRANSACTIONS [4]				
	Total	Treasury bonds and notes [1]	U.S Govt. corporations [2] bonds	Corporate bonds [3]	Corporate stocks	Total	Treasury bonds and notes [1]	U.S. Govt. corporations [2] bonds	Corporate bonds [3]	Corporate stocks
1980	15.8	4.9	2.6	2.9	5.4	198.0	97.4	16.9	8.5	75.2
1983	11.7	5.4	(–Z)	.9	5.4	435.2	253.9	28.1	19.0	134.1
1984	31.4	21.5	1.2	11.7	–3.0	639.5	451.2	32.5	33.2	122.6
1985	78.2	29.2	4.3	39.8	4.9	1,256.1	968.0	45.6	83.5	159.0
1986, total [5]	**88.8**	**19.4**	**7.0**	**43.7**	**18.7**	**2,622.5**	**2,149.3**	**67.2**	**128.5**	**277.5**
United Kingdom	43.3	4.5	1.0	32.9	4.8	597.1	443.7	15.2	73.6	64.6
Japan	12.9	(–Z)	4.5	5.1	3.3	719.1	659.3	20.2	12.8	26.9
Canada	2.2	.9	.3	.2	.8	114.7	75.6	1.0	3.5	34.6
West Germany	7.8	7.7	.1	–.3	.3	79.2	59.2	1.5	8.5	10.0
Switzerland	6.4	.3	.1	4.5	1.6	93.6	46.6	.4	9.6	37.0
France	.1	–.7	.1	.3	.5	32.4	19.4	1.5	1.8	9.6
1987, total [5]	**69.7**	**25.8**	**5.0**	**22.7**	**16.2**	**3,314.8**	**2,648.9**	**80.6**	**103.3**	**481.9**
United Kingdom	24.4	4.0	1.5	18.4	.5	781.4	604.5	17.5	55.6	103.8
Japan	13.8	.9	1.1	.5	11.4	1,196.7	1,051.0	30.8	12.4	102.6
Canada	6.9	4.5	.3	1.0	1.0	182.3	127.8	1.5	3.1	49.9
West Germany	13.2	13.3	.2	–.2	–.1	112.2	89.7	1.4	4.8	16.2
Switzerland	2.4	1.9	(–Z)	1.7	–1.2	94.9	28.4	.6	6.3	59.5
France	1.4	.3	(–Z)	.2	.9	42.7	19.8	.6	2.2	20.1

Z Less than $50 million. [1] Marketable bonds and notes. [2] Includes federally sponsored agencies. [3] Includes transac- ons in directly placed issues abroad by U.S. corporations and issues of States and municipalities. [4] Total purchases plus total ales. [5] Includes other countries, not shown separately.

NO. 828. UNITED STATES PURCHASES AND SALES OF FOREIGN STOCKS AND BONDS, 1980 TO 1987, AND BY SELECTED COUNTRY, 1986 AND 1987

n **billions of dollars**. See headnote, table 827. Minus sign (–) indicates net sales by U.S. investors or a net inflow of capital into the United States]

YEAR AND COUNTRY	NET PURCHASES			TOTAL TRANSACTIONS [1]			PURCHASES		SALES	
	Total	Bonds	Stocks	Total	Bonds	Stocks	Bonds	Stocks	Bonds	Stocks
980	3.1	1.0	2.1	53.1	35.2	17.9	18.1	10.0	17.1	7.9
983	7.0	3.2	3.8	106.2	75.9	30.3	39.6	17.0	36.3	13.3
984	5.0	3.9	1.1	146.7	116.0	30.7	59.9	15.9	56.0	14.8
985	7.9	4.0	3.9	212.1	166.4	45.7	85.2	24.8	81.2	20.9
1986, total [2]	**5.5**	**3.7**	**1.9**	**437.8**	**337.7**	**100.2**	**170.7**	**51.0**	**167.0**	**49.1**
nited Kingdom	15.0	13.7	1.3	184.3	151.8	32.6	82.7	17.0	69.0	15.6
pan	–7.5	–6.1	–1.4	110.6	85.0	25.6	39.5	12.1	45.5	13.5
anada	.9	–.2	1.1	26.4	16.5	9.8	8.2	5.5	8.4	4.4
est Germany	1.7	1.2	.5	19.0	12.9	6.1	7.1	3.3	5.8	2.8
witzerland	1.3	1.0	.3	8.1	4.8	3.2	2.9	1.8	1.9	1.5
ance	-	–.5	.5	8.9	4.8	4.2	2.2	2.3	2.6	1.8
1987, total [2]	**6.5**	**7.6**	–1.1	**595.1**	**405.8**	**189.3**	**206.7**	**94.1**	**199.1**	**95.2**
nited Kingdom	12.4	9.2	3.2	231.8	164.0	67.8	86.6	35.5	77.4	32.3
pan	–5.6	.9	–6.5	143.2	95.5	47.7	48.2	20.6	47.3	27.1
anada	4.1	1.7	2.3	40.7	21.9	18.8	11.8	10.6	10.1	8.3
est Germany	–1.7	–1.3	–.4	43.0	34.3	8.6	16.5	4.1	17.8	4.5
witzerland	1.0	.3	.7	12.4	6.1	6.3	3.2	3.5	2.9	2.8
ance	1.1	1.3	–.2	18.0	11.9	6.1	6.6	3.0	5.3	3.2

- Represents or rounds to zero. [1] Total purchases plus total sales. [2] Includes other countries, not shown separately.

Source of tables 827 and 828: U.S. Dept. of Treasury, *Treasury Bulletin*, quarterly.

NO. 829. SALES OF STOCKS AND OPTIONS ON REGISTERED EXCHANGES: 1970 TO 1987

[Excludes over-the-counter trading. See also *Historical Statistics, Colonial Times to 1970*, series X 517-530]

EXCHANGE	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Market value of all sales, all exchanges [1] [2]	**Bil. dol**	**136**	**173**	**522**	**532**	**657**	**1,023**	**1,004**	**1,260**	**1,858**	**2,482**
New York	Bil. dol	108	143	398	416	515	816	815	1,024	1,453	1,987
American	Bil. dol	15	6	47	40	34	48	32	38	63	102
Midwest	Bil. dol	5	7	21	25	35	60	62	79	102	122
Chicago	Bil. dol	-	6	28	22	32	39	35	38	58	184
Pacific	Bil. dol	5	5	13	13	21	31	31	40	55	71
Philadelphia	Bil. dol	3	3	11	11	14	20	19	23	35	48
STOCKS [3]											
Shares sold, all exchanges [2]	Million	4,539	6,226	15,488	15,910	22,414	30,146	30,456	37,046	48,338	63,771
New York	Million	3,213	5,056	12,390	12,843	18,211	24,253	25,150	30,222	39,258	53,038
American	Million	879	541	1,659	1,472	1,550	2,209	1,584	2,115	2,999	3,486
Midwest	Million	149	252	598	735	1,144	1,662	1,843	2,274	2,784	3,329
Pacific	Million	165	199	435	457	810	1,070	1,008	1,352	1,750	2,034
Market value, all exchanges [2]	Bil. dol	131	157	476	491	603	957	951	1,200	1,705	2,284
New York	Bil. dol	103	134	398	416	514	815	814	1,023	1,450	1,983
American	Bil. dol	14	6	35	26	20	31	21	26	43	53
Midwest	Bil. dol	5	7	21	25	35	60	62	79	102	122
Pacific	Bil. dol	5	5	11	11	18	27	28	37	51	57
OPTIONS [4]											
Contracts traded, all exchanges [2]	Million	(NA)	18	97	109	137	140	197	233	289	305
Chicago	Million	(NA)	14	53	58	76	82	123	149	180	182
American	Million	(NA)	4	29	35	39	39	40	49	65	71
Market value of contracts traded, all exchanges [2]	Bil. dol	(NA)	6.4	45.8	41.7	53.7	64.2	53.0	59.1	87.9	118.9
Chicago	Bil. dol	(NA)	6.3	27.9	22.4	32.3	39.4	34.9	38.4	55.9	78.9
American	Bil. dol	(NA)	(NA)	12.5	13.8	14.3	15.8	10.5	11.6	19.0	25.7
Options exercised:											
Number of contracts	Million	(NA)	.3	4.9	7.4	9.2	13.6	11.9	10.5	14.5	17.0
Value	Bil. dol	(NA)	1.3	20.4	34.8	37.1	65.1	55.6	49.2	72.8	85.9

- Represents zero. NA Not available. [1] Includes market value of rights and warrants and, through 1975, bond sales. Excludes the value of options exercised. [2] Includes other registered exchanges, not shown separately. [3] Includes voting trust certificates, American Depository Receipts, and certificate of deposit for stocks. [4] Includes non-equity options as of October 1982.

Source: U.S. Securities and Exchange Commission, *SEC Monthly Statistical Review*.

NO. 830. VOLUME OF TRADING ON NEW YORK STOCK EXCHANGE: 1970 TO 1987

[**Round lot:** A unit of trading or a multiple thereof. On the NYSE the unit of trading is generally 100 shares in stocks. For some inactive stocks, the unit of trading is 10 shares. **Odd lot:** An amount of stock less than the established 100-share unit or 10-share unit of trading]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Shares traded	**Million**	**3,124**	**4,839**	**8,336**	**11,562**	**12,049**	**16,669**	**21,846**	**23,309**	**27,774**	**36,009**	**48,143**
Round lots	Million	2,937	4,693	8,156	11,352	11,854	16,458	21,590	23,071	27,511	35,680	47,801
Average daily shares	Million	11.6	18.6	32.2	44.9	46.9	65.1	85.3	91.2	109.2	141.0	189.0
High day	Million	21.3	35.2	81.6	84.3	92.9	149.4	129.4	236.6	181.0	244.3	608.1
Low day	Million	6.7	8.7	18.3	16.1	23.9	36.8	53.0	46.4	62.1	48.9	86.7
By size: [1]												
At 100-900 shares	Percent	(NA)	42.1	27.5	24.7	21.1	16.2	14.6	11.3	10.6	10.8	13.6
At 1,000-4,900 shares	Percent	(NA)	31.4	33.7	32.2	31.0	28.5	26.7	25.1	24.1	25.7	21.1
At 5,000-9,900 shares	Percent	(NA)	8.7	11.4	11.4	12.1	12.8	12.7	13.8	13.8	13.9	14.1
At 10,000 or more shares [2]	Percent	(NA)	17.9	27.4	31.7	35.8	42.5	46.0	49.8	51.5	49.6	51.2
Odd lots	Million	186	146	180	209	195	211	256	238	263	329	342
Value of shares traded	**Bil. dol**	**102.5**	**131.7**	**244.5**	**382.4**	**396.1**	**495.1**	**775.3**	**773.4**	**980.8**	**1,388.8**	**1,888.7**
Round lots	Bil. dol	95.3	126.7	238.2	374.9	389.2	488.4	765.3	764.7	970.5	1,374.3	1,873.6
Odd lots	Bil. dol	7.2	5.0	6.3	7.5	6.9	6.7	10.1	8.7	10.3	14.5	15.1
Bond volume [3]	**Mil. dol**	**4,495**	**5,178**	**4,088**	**5,190**	**5,733**	**7,155**	**7,572**	**6,982**	**9,046**	**10,464**	**9,727**
Daily average	Mil. dol	17.7	20.5	16.2	20.5	22.7	28.3	29.9	27.6	35.9	41.4	38.4

NA Not available. [1] Share volume of reported trades by size (percent of total) on New York Stock Exchange. [2] Includes bunched orders at the opening and re-opening of trading. [3] Par value.

Source: New York Stock Exchange, Inc., New York, NY, *Fact Book*, annual.

NO. 831. NASDAQ—SECURITIES LISTED AND VOLUME OF TRADING: 1975 TO 1987

ITEM	Unit	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Companies listed	Number	2,467	2,543	2,894	3,353	3,264	3,901	4,097	4,136	4,417	4,706
Issues	Number	2,579	2,670	3,050	3,687	3,664	4,467	4,723	4,784	5,189	5,537
Shares traded	Million	1,390	3,651	6,692	7,823	8,432	15,909	15,159	20,699	28,737	37,890
Average daily volume	Million	5.5	14.4	26.5	30.9	33.3	62.8	59.9	82.1	113.6	149.8
Value of shares traded	Bil. dol	21.2	44.3	68.7	71.1	84.2	188.3	153.5	233.5	378.2	499.9

Source: National Association of Securities Dealers, Washington, DC, *Fact Book*, annual.

No. 832. Securities Listed on N.Y. Stock Exchange: 1970 to 1987

[As of **December 31**, except **cash dividends** are for **calendar year**]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Bonds:												
Number of issuers	Number	843	1,066	1,043	1,045	1,049	1,031	1,034	1,024	1,010	951	885
Number of issues	Number	1,729	2,632	2,939	3,057	3,110	3,233	3,600	3,751	3,856	3,611	3,346
Face value	Bil. dol	135	334	526	602	681	793	965	1,084	1,327	1,380	1,651
Market value	Bil. dol	113	315	460	508	574	766	898	1,022	1,339	1,458	1,621
Average price	Percent	83.60	91.89	87.36	84.41	84.24	96.67	93.04	94.29	100.90	105.66	98.20
Stocks:												
Companies	Number	1,351	1,557	1,565	1,570	1,565	1,526	1,550	1,543	1,541	1,575	1,647
Number of issues	Number	1,840	2,111	2,192	2,228	2,220	2,225	2,307	2,319	2,298	2,257	2,244
Shares listed	Billion	16.1	22.5	30.0	33.7	38.3	39.5	45.1	49.1	52.4	59.6	72.0
Market value	Bil. dol	636	685	961	1,243	1,144	1,305	1,584	1,586	1,950	2,199	2,216
Average price	Dollars	39.61	30.48	31.99	36.87	29.87	33.03	35.11	32.31	37.20	36.89	30.87
Cash dividends on common stock	Bil. dol	19.8	26.9	46.9	53.1	60.6	62.2	67.1	68.2	74.2	76.2	84.4

No. 833. Stock Ownership—Characteristics of Shareowners: 1970 to 1985

[**In thousands.** Represents all publicly owned issues of common and preferred stocks including stock mutual funds. Based on national probability samples; see source for detailed explanation]

CHARACTERISTIC	1970	1975	1980	1983	1985
Total [1]	**30,850**	**25,270**	**30,200**	**42,360**	**47,040**
Male	15,689	12,698	15,666	20,864	23,699
Female	15,161	12,508	14,534	21,496	23,341
Under 21 years	2,221	1,818	2,308	2,749	2,260
21-34 years	4,500	2,838	6,407	10,552	11,093
35-44 years	5,801	3,976	5,925	8,346	10,982
45-54 years	7,556	5,675	5,456	6,586	7,899
55-64 years	6,084	5,099	5,144	6,850	8,217
65 years and over	4,330	5,800	4,589	7,277	6,589

CHARACTERISTIC	1970	1975	1980	1983	1985
Education:					
High school: [2]					
3 years or less	3,566	1,621	1,746	2,356	2,513
4 years	8,697	6,580	5,737	8,788	7,869
College: [2]					
1-3 years	5,867	5,301	9,353	13,529	13,937
4 years or more	9,999	9,886	10,613	14,375	19,854
Minors [3]	2,221	1,818	2,308	2,749	2,260

[1] Includes small number of shareowners not distributed by breakdown. [2] Persons 21 years old and over. [3] Shareowners whose stockholdings are registered in accordance with the Gifts to Minors Statutes.

Source of tables 832 and 833: New York Stock Exchange, Inc., New York, NY, *Shareownership*, periodic, and *Fact Book*, annual.

No. 834. Mutual Funds—Summary: 1970 to 1987

[See also *Historical Statistics, Colonial Times to 1970*, series X 536-539]

TYPE OF FUND	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Number of funds, total	**Number**	**361**	**426**	**564**	**665**	**857**	**1,026**	**1,246**	**1,531**	**1,843**	**2,324**
Money market funds	Number	(x)	36	96	159	261	307	329	348	360	389
Equity funds	Number	294	286	267	286	320	374	466	574	700	847
Income and bond funds	Number	67	104	149	154	169	201	240	323	409	566
Municipal bond funds	Number	(x)	(x)	42	46	50	78	114	174	247	368
Short-term municipal bond funds [1]	Number	(x)	(x)	10	20	37	66	97	112	127	154
Shareholder accounts, total	**Millions**	(NA)	**9.9**	**12.1**	**17.5**	**21.4**	**24.6**	**28.2**	**35.0**	**46.1**	**54.7**
Equity, bond, and income funds	Millions	(NA)	9.7	7.3	7.2	8.2	12.1	14.4	20.0	29.8	37.0
Money market funds and short-term municipal bond funds [1]	Millions	(NA)	.2	4.8	10.3	13.2	12.5	13.8	15.0	16.3	17.7
Assets, total	**Bil. dol**	**47.6**	**45.8**	**134.7**	**241.4**	**296.6**	**292.9**	**370.7**	**495.5**	**716.3**	**769.9**
Money market funds	Bil. dol	(x)	3.6	74.4	181.9	206.6	162.5	209.7	207.5	228.3	254.7
Equity funds	Bil. dol	45.1	37.5	44.4	41.2	53.6	77.0	83.1	116.9	161.5	180.6
Income and bond funds	Bil. dol	2.5	4.7	11.1	11.0	15.8	22.0	33.3	95.4	187.0	196.2
Municipal bond funds	Bil. dol	(x)	(x)	2.9	3.1	7.4	14.6	20.8	39.4	75.7	77.0
Short-term municipal bond funds [1]	Bil. dol	(x)	(x)	1.9	4.2	13.2	16.8	23.8	36.3	63.8	61.4
Sales, total	**Bil. dol**	**4.6**	**10.1**	**247.5**	**472.2**	**627.0**	**547.8**	**680.1**	**953.8**	**1,205.7**	**1,251.6**
Money market funds	Bil. dol	(x)	6.8	232.2	451.9	581.8	463.0	572.0	730.1	792.3	869.1
Equity funds	Bil. dol	4.2	2.6	5.6	6.0	8.3	22.4	20.3	30.1	57.7	72.1
Income and bond funds	Bil. dol	.4	.7	2.6	2.3	4.0	8.8	15.7	64.8	118.3	89.7
Municipal bond funds	Bil. dol	(x)	(x)	1.8	1.5	3.5	9.1	9.8	19.4	39.9	28.9
Short-term municipal bond funds [1]	Bil. dol	(x)	(x)	5.3	10.5	29.4	44.5	62.3	109.4	197.5	191.8
Redemptions, total	**Bil. dol**	**3.0**	**9.6**	**216.5**	**362.6**	**588.4**	**565.8**	**607.0**	**864.9**	**1,015.6**	**1,178.8**
Money market funds	Bil. dol	(x)	5.9	204.5	346.7	559.6	508.7	531.0	732.3	776.3	865.7
Equity funds	Bil. dol	2.8	3.3	5.7	5.1	5.2	9.3	10.9	18.2	27.2	40.2
Income and bond funds	Bil. dol	.2	.4	1.5	1.6	1.7	3.1	5.1	11.1	30.7	58.6
Municipal bond funds	Bil. dol	(x)	(x)	1.0	.8	.7	2.3	4.1	4.3	9.1	17.4
Short-term municipal bond funds [1]	Bil. dol	(x)	(x)	3.8	8.3	21.2	42.4	55.9	98.8	172.3	196.9

NA Not available. X Not applicable. [1] The average maturity of the portfolio is generally less than two years.

Source: Investment Company Institute, Washington, DC, *Mutual Fund Fact Book*, annual. (Copyright.)

No. 835. COMMODITY FUTURES TRADING ON U.S. EXCHANGES—VOLUME OF TRADING: 1970 TO 1987

[In **thousands**. 1970 for year ending **June 30**; thereafter, for years ending **Sept. 30**]

COMMODITY	1970	1980	1981	1982	1983	1984	1985	1986	1987
Number of contracts traded	**12,398**	**82,691**	**101,124**	**107,644**	**136,077**	**148,822**	**152,590**	**183,098**	**213,547**
Grain	2,162	18,287	19,808	14,885	17,794	15,889	10,726	10,315	10,945
Oilseeds/products	3,677	15,692	20,315	15,763	19,823	23,489	14,883	13,799	14,152
Livestock/products	3,432	11,808	9,804	10,968	11,063	8,429	7,926	8,571	8,755
Other agriculturals	2,017	7,787	4,578	4,885	6,324	5,958	5,141	6,700	5,719
Energy products	-	1,087	3,261	2,301	3,204	4,946	7,025	11,531	20,306
Metals	1,110	14,099	17,870	19,307	26,316	22,447	18,383	16,234	19,426
Financial instruments	-	10,213	20,091	31,251	40,155	51,003	72,127	96,887	114,337
Currencies	-	3,719	5,398	8,284	11,398	16,661	16,377	19,061	19,907

- Represents zero.

Source: U.S. Commodity Futures Trading Commission, *Annual Report.*

No. 836. U.S. LIFE INSURANCE COMPANIES—SUMMARY: 1970 TO 1987

[As of **December 31** or **calendar year**, as applicable. Covers domestic and foreign business of U.S. companies. See also *Historical Statistics, Colonial Times to 1970,* series X 879 and X 890-917]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
U.S. companies	Number	1,780	1,746	1,958	1,991	2,060	2,117	2,193	2,261	2,254	2,265
Sales [1]	**Bil. dol**	**207**	**317**	**655**	**1,139**	**920**	**1,279**	**1,390**	**1,530**	**1,578**	**1,666**
Ordinary	Bil. dol	135	207	462	700	661	972	1,074	1,187	1,178	1,267
Group [1]	Bil. dol	65	103	190	436	257	306	315	342	400	388
Industrial	Bil. dol	7	7	4	3	2	2	1	1	(Z)	(Z)
Income	**Bil. dol**	**49.1**	**78.0**	**130.9**	**151.9**	**170.0**	**176.0**	**206.1**	**234.0**	**282.3**	**314.3**
Life insurance premiums	Bil. dol	21.7	28.3	40.8	46.3	50.8	50.3	51.3	60.1	66.2	76.7
Percent of total	Percent	44.2	37.6	31.2	30.5	29.9	28.6	24.9	25.7	23.5	24.4
Annuity considerations	Bil. dol	3.7	10.2	22.4	27.6	34.6	30.5	42.8	53.9	83.7	88.7
Health insurance premiums	Bil. dol	11.4	19.1	29.4	31.8	35.0	38.2	40.7	41.8	44.2	47.6
Investment and other	Bil. dol	12.3	19.4	38.3	46.2	49.6	57.0	71.3	78.2	88.2	101.3
Disbursements	**Bil. dol**	**39.0**	**58.2**	**88.2**	**101.8**	**113.3**	**123.5**	**138.5**	**151.8**	**186.5**	**202.3**
Payments to policyholders [2] [3]	Bil. dol	25.6	38.1	59.0	65.1	71.2	80.9	89.8	95.7	131.4	144.4
Percent of total	Percent	65.6	65.5	66.9	63.9	62.8	65.5	64.8	63.0	70.5	71.4
Death payments	Bil. dol	7.2	9.3	12.9	13.6	14.5	16.8	17.6	18.5	19.6	20.7
Matured endowments	Bil. dol	1.0	1.0	.8	.7	.6	.6	.7	.8	.8	.8
Annuity payments	Bil. dol	1.7	3.2	7.4	9.6	10.3	12.7	18.0	19.7	17.8	20.3
Policy dividends	Bil. dol	3.8	5.1	8.1	9.3	9.6	10.8	11.4	12.4	12.4	13.0
Surrender values [3]	Bil. dol	2.9	3.8	6.4	7.1	9.8	12.5	14.5	15.9	49.6	53.7
Disability benefits	Bil. dol	.2	.4	.5	.6	.5	.5	.4	.5	.5	.5
Commissions, expenses, etc.[3]	Bil. dol	12.9	19.4	27.8	35.1	40.3	40.7	46.0	53.1	51.4	54.7
Dividends to stockholders	Bil. dol	.5	.7	1.4	1.6	1.8	1.9	2.7	3.0	3.7	3.2
BALANCE SHEET											
Assets	**Bil. dol**	**207.3**	**289.3**	**479.2**	**525.8**	**588.2**	**654.9**	**723.0**	**825.9**	**937.6**	**1,044.5**
Government securities	Bil. dol	11.1	15.2	33.0	39.5	55.5	76.6	99.8	124.6	144.6	151.4
Corporate securities	Bil. dol	88.5	133.9	227.0	241.5	268.5	297.0	322.5	374.3	432.9	502.2
Percent of total assets	Percent	42.7	46.3	47.4	45.9	45.7	45.3	44.6	45.3	46.2	48.1
Bonds	Bil. dol	73.1	105.8	179.6	193.8	212.8	232.1	259.1	296.8	342.0	405.7
Stocks	Bil. dol	15.4	28.1	47.4	47.7	55.7	64.9	63.4	77.5	90.9	96.5
Mortgages	Bil. dol	74.4	89.2	131.1	137.7	142.0	151.0	156.7	171.8	193.8	213.5
Real estate	Bil. dol	6.3	9.6	15.0	18.3	20.6	22.2	25.7	28.8	31.6	34.2
Policy loans	Bil. dol	16.1	24.5	41.4	48.7	53.0	54.1	54.5	54.4	54.1	53.6
Other	Bil. dol	10.9	16.9	31.7	40.1	48.6	54.0	63.8	72.0	80.6	89.6
Interest earned on assets [4]	Percent	5.30	6.36	8.02	8.57	8.91	8.96	9.45	9.63	9.35	9.09
Liabilities [2] [5]	Bil. dol	189.9	268.7	444.8	488.4	546.7	608.5	672.6	769.1	873.4	977.1
Policy reserves [2]	**Bil. dol**	**167.8**	**237.1**	**390.4**	**428.0**	**479.4**	**532.4**	**584.2**	**665.3**	**761.9**	**862.1**
Annuities	Bil. dol	48.9	80.8	181.5	209.1	252.4	296.5	341.7	410.6	488.6	561.7
Group	Bil. dol	34.0	59.9	140.4	161.0	191.9	221.7	254.6	303.0	355.8	392.5
Individual [6]	Bil. dol	14.9	20.9	41.0	48.1	60.5	74.8	87.1	107.6	132.8	169.2
Life insurance	Bil. dol	115.4	150.1	197.9	207.0	213.8	221.0	225.9	235.9	252.0	278.4
Health insurance	Bil. dol	3.5	6.3	11.0	11.9	13.2	15.0	16.6	18.8	21.3	24.0
Capital and surplus [2]	Bil. dol	17.3	20.6	34.4	37.4	41.5	46.4	50.4	56.8	64.1	67.4

Z Less than $500 million. [1] Includes Servicemen's Group Life Insurance: $16.8 billion in 1970, $1.7 billion in 1975, $44.5 billion in 1981, and $50.8 billion in 1986; as well as Federal Employees' Group Life Insurance: $81.5 billion in 1981 and $10.8 billion in 1986. [2] Includes operations of accident and health departments of life insurance companies. [3] Beginning 1986, data not comparable to prior years due to change in accounting method. [4] Net rate. [5] Includes other obligations not shown separately. [6] Includes reserves for supplementary contracts with and without life contingencies.

Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book,* biennial, and unpublished data.

No. 837. U.S. Life Insurance Companies—New Long-Term Investments: 1970 to 1987

[**In billions of dollars, except percent.** Long-term investments are investments of over 1 year in length. Minus sign (–) indicates decrease]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**23.9**	**42.5**	**66.6**	**68.8**	**72.6**	**77.9**	**83.7**	**110.5**	**169.9**	**202.5**	**295.3**	**421.9**	**456.7**
Annual percent change [1]	–.3	19.7	20.3	3.2	5.6	7.3	7.4	32.1	53.7	19.2	45.8	42.9	8.3
Government securities	.8	3.7	7.5	6.5	6.9	7.0	10.6	24.3	49.1	62.9	99.9	154.3	155.7
Corporate securities	10.9	22.5	37.8	36.0	33.5	36.4	42.5	58.8	86.9	104.0	144.6	205.4	239.5
Bonds	6.8	16.6	30.2	28.0	23.1	22.3	23.0	33.0	50.8	68.7	98.3	137.5	165.1
Stocks	4.1	5.9	7.6	8.0	10.4	14.1	19.5	25.8	36.1	35.3	46.3	67.9	74.4
Mortgages	7.2	9.6	14.2	17.8	20.7	19.7	13.5	11.5	20.1	20.1	35.1	45.4	44.2
Real estate	.9	2.1	2.0	2.2	2.8	3.3	4.5	4.5	4.3	6.0	6.0	7.1	7.1
Policy loans	4.1	4.6	5.1	6.3	8.7	11.5	12.6	11.4	9.5	9.5	9.7	9.7	10.2

[1] Change from immediate prior year.

No. 838. Life Insurance in Force in the U.S.—Summary: 1970 to 1987

[As of **December 31** or **calendar year**, as applicable. Covers life insurance with life insurance companies only. Represents all life insurance in force on lives of U.S. residents whether issued by U.S. or foreign companies. For definition of household, see text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series X 879–889]

YEAR	LIFE INSURANCE IN FORCE						AVERAGE SIZE POLICY IN FORCE (dollars)				AVERAGE AMOUNT ($1,000)		Disposable personal income per household ($1,000)
	Number of policies, total (mil.)	Value (bil. dol.)											
		Total	Ordinary	Group	Industrial	Credit [1]	Ordinary	Group	Industrial	Credit [1]	Per household	Per insured household	
1970	355	1,402	731	545	38.6	87.9	6,110	6,910	500	1,000	22.1	26.6	11.3
1974	380	1,985	1,009	827	39.4	109.6	7,690	8,840	550	1,310	28.4	34.2	14.9
1975	380	2,140	1,083	905	39.4	112.0	8,090	9,360	570	1,410	30.1	36.2	16.1
1976	382	2,343	1,178	1,003	39.2	123.6	8,610	10,010	580	1,580	32.2	38.7	17.2
1977	390	2,583	1,289	1,115	39.0	139.4	9,240	10,550	590	1,760	34.8	42.0	18.6
1978	401	2,870	1,425	1,244	38.1	163.1	10,010	11,260	600	1,950	37.8	45.5	20.4
1979	407	3,222	1,586	1,419	37.8	179.3	10,890	12,350	610	2,120	41.7	50.8	22.4
1980	402	3,541	1,761	1,579	36.0	165.2	11,920	13,410	620	2,110	43.8	53.5	23.7
1981	400	4,064	1,978	1,889	34.5	162.4	13,310	15,400	630	2,220	49.3	60.2	25.8
1982	390	4,477	2,217	2,066	32.8	161.1	15,140	16,630	630	2,410	53.6	66.2	27.1
1983	387	4,966	2,544	2,220	31.4	170.7	17,380	17,530	630	2,650	59.2	73.1	28.9
1984	385	5,500	2,888	2,392	30.1	190.0	19,970	18,780	630	2,880	64.5	79.6	31.3
1985	386	6,053	3,247	2,562	28.2	216.0	22,780	19,720	640	3,100	69.7	86.1	32.7
1986	391	6,720	3,656	2,801	27.2	233.9	25,540	20,720	650	3,310	76.0	93.8	34.2
1987	395	7,452	4,139	3,043	26.6	243.0	28,510	22,380	650	3,330	82.8	102.2	35.3

[1] Insures borrower to cover consumer loan in case of death.

Source of tables 837 and 838: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book*, biennial.

No. 839. Life Insurance Ownership by Households and Adults: 1984

["All types" includes coverage with legal reserve life insurance companies, veterans life insurance, and life insurance issued by savings banks, fraternal organizations, mutual aid and burial societies, and similar types of coverage. "Individual life" comprises ordinary and/or industrial life insurance. Based on a survey conducted for the source and the Life Insurance Marketing and Research Association]

TYPE OF HOUSEHOLD AND HOUSEHOLD INCOME	PERCENT OF HOUSEHOLDS IN WHICH AT LEAST ONE MEMBER OWNS LIFE INSURANCE			MEDIAN COVERAGE [2] ($1,000)			AGE	PERCENT OF ADULTS OWNING LIFE INSURANCE	
	All types	Individual life [1]	Employee group life	All types	Individual life [1]	Employee group life		Male	Female
Total	**81**	**57**	**54**	**35.0**	**16.5**	**20.0**	**Total, 18 yrs. and over**	75	65
Family households [3]	85	63	58	40.0	20.0	20.0	18–24 yrs. old	61	50
Married couple	88	68	60	45.0	23.0	21.5	25–29 yrs. old	63	64
Female householder [4]	74	47	49	20.0	11.0	20.0	30–34 yrs. old	79	70
Nonfamily households	70	42	41	11.5	5.0	16.5	35–44 yrs. old	84	70
Male householder	70	41	48	40.0	11.4	30.0	45–54 yrs. old	86	72
Female householder	70	43	37	6.0	2.0	10.0	55–64 yrs. old	86	71
Under $10,000	63	46	27	10.0	5.1	10.0	65 yrs. old and over	69	57
$10,000–$17,499	78	49	46	16.5	8.5	12.0			
$17,500–$24,999	87	64	60	30.0	16.4	15.0			
$25,000–$34,999	92	66	70	56.5	25.0	28.0			
$35,000 and over	92	66	74	87.0	40.0	45.0			

[1] Purchased from an agent, company, or fraternal society. [2] Among those households with this type of coverage. Includes coverage of dependents. [3] Includes male householder with no spouse present. [4] With no spouse present.

Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book Update, 1985.*

No. 840. Life Insurance—Insurance in Force and Benefit Payments by State: 1986

[Applies to policyholders and payments in the U.S. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	INSURANCE IN FORCE: Policies (1,000)	INSURANCE IN FORCE: Value (bil. dol.)	INSURANCE IN FORCE: Avg. per household (dol.)	Benefit payments [1] (mil. dol.)
U.S.	**394,883**	**7,452**	**82,800**	**71,432**
Region:				
Northeast	83,229	1,686	89,800	19,665
Midwest	97,407	1,854	83,700	18,907
South	154,709	2,496	80,800	20,562
West	59,538	1,416	77,800	12,298
New England	**20,893**	**443**	**92,500**	**4,567**
Maine	1,935	31	68,800	291
New Hampshire	1,667	33	85,000	305
Vermont	852	15	73,600	169
Massachusetts	8,755	200	91,300	2,108
Rhode Island	1,823	31	85,300	304
Connecticut	5,861	133	111,700	1,390
Middle Atlantic	**62,336**	**1,243**	**88,900**	**15,098**
New York	27,958	590	87,800	7,498
New Jersey	12,042	286	102,000	3,365
Pennsylvania	22,336	367	82,500	4,235
East North Central	**69,832**	**1,304**	**84,200**	**13,690**
Ohio	18,451	334	82,900	3,483
Indiana	9,099	161	78,500	1,641
Illinois	19,907	388	90,800	4,160
Michigan	14,510	283	84,400	2,981
Wisconsin	7,865	138	77,100	1,425
West North Central	**27,575**	**550**	**82,500**	**5,217**
Minnesota	6,221	139	87,500	1,252
Iowa	4,578	86	80,200	998
Missouri	8,324	153	79,100	1,402
North Dakota	991	21	84,300	154
South Dakota	905	19	73,000	178
Nebraska	2,427	52	84,600	525
Kansas	4,129	80	84,700	708
South Atlantic	**79,754**	**1,281**	**81,800**	**10,898**
Delaware	1,313	26	109,000	238
South Atlantic—Con.				
Maryland	8,192	154	92,700	1,534
District of Columbia	2,053	46	185,600	337
Virginia	13,284	203	93,500	1,471
West Virginia	3,090	40	56,900	435
North Carolina	13,498	186	77,900	1,517
South Carolina	7,757	96	79,800	664
Georgia	12,646	208	92,200	1,427
Florida	17,921	322	67,300	3,275
East South Central	**32,949**	**412**	**73,800**	**3,325**
Kentucky	6,069	86	62,800	710
Tennessee	9,988	143	78,600	1,348
Alabama	12,704	123	83,200	849
Mississippi	4,188	60	65,600	418
West South Central	**42,006**	**803**	**83,100**	**6,339**
Arkansas	2,766	47	53,000	401
Louisiana	9,065	129	82,600	1,031
Oklahoma	4,445	87	96,700	916
Texas	25,730	540	90,500	3,991
Mountain	**19,007**	**370**	**77,500**	**3,214**
Montana	1,109	21	67,800	197
Idaho	1,308	23	65,000	215
Wyoming	630	13	74,900	125
Colorado	5,303	113	90,000	942
New Mexico	1,858	36	68,400	308
Arizona	5,057	94	75,400	885
Utah	2,437	45	87,600	364
Nevada	1,305	25	62,800	178
Pacific	**40,531**	**1,046**	**77,900**	**9,084**
Washington	5,025	125	71,100	1,135
Oregon	3,310	68	63,300	674
California	29,674	800	79,400	6,832
Alaska	656	15	84,800	123
Hawaii	1,866	38	112,000	320

[1] Comprises death payments, matured endowments, disability and annuity payments, surrender values, and policy dividends.

Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book,* biennial.

No. 841. Property and Liability Insurance: 1970 to 1987

[**In millions of dollars.** Premiums written represent total premiums on all insurance policies written by companies, with inception dates in years shown. Minus sign (–) indicates loss. See also *Historical Statistics, Colonial Times to 1970,* series X 918, 923, 928, 933, and 940]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986	1987
Premiums written [1]	**32,867**	**49,967**	**95,569**	**103,968**	**108,983**	**118,166**	**144,186**	**176,552**	**193,246**
Auto liability	8,958	13,315	23,319	26,226	28,080	30,217	36,087	44,081	49,205
Physical damage, auto	4,824	7,623	15,833	18,005	19,748	21,766	25,247	29,306	31,995
Liability, other than auto	2,140	3,981	7,692	7,159	7,247	8,254	14,313	22,857	24,878
Medical malpractice	(NA)	895	1,276	1,490	1,568	1,775	2,769	3,492	4,004
Fire [2]	3,147	3,691	4,784	4,836	4,608	4,853	6,173	6,933	7,656
Homeowners multiple peril	2,565	4,729	9,821	11,747	12,512	13,213	14,066	15,222	16,653
Commercial multiple peril	1,331	3,176	6,886	7,009	7,293	8,287	12,097	16,190	17,231
Workers' compensation	3,492	6,186	14,239	13,945	14,005	15,108	17,048	20,431	23,429
Inland marine	812	1,266	2,291	2,510	2,649	3,017	3,672	3,899	4,120
Ocean marine	465	861	1,065	1,101	1,096	1,155	1,177	1,225	1,355
Surety and fidelity [3]	562	789	1,248	1,454	1,649	1,997	2,853	2,116	2,450
Financial guaranty [3]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	575	582
Burglary and theft	135	120	136	115	106	109	122	121	127
Crop-hail	125	312	417	532	444	509	447	379	351
Boiler and machinery	115	173	293	293	356	439	618	531	586
Glass	40	32	32	29	27	28	25	27	25
Statutory underwriting gain/loss	77	–3,594	–1,712	–8,303	–11,088	–19,379	–22,597	–13,748	–7,079
Policyholders' dividends	504	633	1,622	1,987	2,234	2,098	2,196	2,165	2,546
Net underwriting gain/loss	–426	–4,227	–3,334	–10,290	–13,322	–21,477	–24,794	–15,913	–9,625
Net investment income	2,005	4,150	11,063	14,907	15,973	17,660	19,508	21,924	23,960
Net income/loss before taxes	1,579	–77	7,730	4,617	2,651	–3,817	–5,286	6,012	14,336
Assets	58,594	94,118	197,661	231,693	249,121	264,734	311,365	374,088	428,711
Policyholders' surplus	18,520	25,303	52,196	60,395	65,606	63,809	75,511	94,288	103,986

NA Not available. [1] Total includes all property, liability, and allied lines; other data are for principal lines only. [2] Includes extended coverage and allied lines. [3] Prior to 1986, financial guaranty was included in surety.

Source: Insurance Information Institute, New York, NY, *Insurance Facts,* annual. Data from A. M. Best Company, Oldwick, NJ

NO. 842. AUTOMOBILE INSURANCE: 1970 TO 1987

[In billions of dollars, except as indicated. Premiums earned basis. See also *Historical Statistics, Colonial Times to 1970,* series Q 163–174]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987 Total	1987 Private passenger	1987 Commercial
TOTAL INSURANCE												
Premiums earned	14.6	23.9	37.6	39.8	42.6	48.2	50.5	57.1	70.3	76.9	63.0	13.9
Losses paid [1]	11.2	19.7	27.9	30.6	35.1	39.2	42.2	49.2	56.9	60.9	50.9	10.0
Percent of premiums	76.6	82.4	74.1	77.0	82.4	81.3	83.6	86.1	81.0	79.2	80.7	72.3
BODILY INJURY LIABILITY [2]												
Premiums earned	9.6	15.2	22.5	23.6	25.4	28.6	29.5	33.5	42.1	46.8	37.0	9.7
Losses paid [1]	7.5	12.3	17.2	19.2	21.8	24.9	26.5	31.9	37.9	41.8	33.8	8.0
Percent of premiums	79.0	81.0	76.6	81.1	85.9	87.0	89.9	95.0	90.1	89.4	91.4	81.9
PHYSICAL DAMAGE [3]												
Premiums earned	5.1	8.7	15.1	16.1	17.2	19.6	21.0	23.5	28.2	30.1	26.0	4.1
Losses paid [1]	3.7	7.4	10.7	11.5	13.1	14.3	15.7	17.3	19.0	19.1	17.0	2.0
Percent of premiums	72.3	84.7	70.4	71.0	76.3	72.9	74.7	73.5	67.5	63.4	65.6	49.5

[1] Includes adjusting expenses. [2] Includes property damage. [3] Covers auto fire, theft, collision, and comprehensive.

Source: The National Underwriter Co., Cincinnati, OH, *Argus F. C. & S. Chart,* annual (copyright).

NO. 843. PRIVATE HEALTH INSURANCE ORGANIZATIONS—INCOME AND EXPENSES: 1970 TO 1985

[In millions of dollars, except percent. Minus sign (−) indicates loss. Expenses are on incurred basis. See also *Historical Statistics, Colonial Times to 1970,* series X 957–962]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
All organizations:											
Total premium income	16,871	33,178	48,016	53,577	62,011	72,595	84,419	98,679	109,684	121,464	130,139
Claims expense	15,320	31,223	42,959	49,078	56,905	67,504	78,400	89,929	97,990	104,863	113,000
Percent of premium income	90.8	94.1	89.5	91.6	91.8	93.0	92.9	91.1	89.3	86.3	86.8
Operating expense	2,269	3,969	5,227	5,874	6,740	7,938	9,378	11,242	12,808	14,271	16,252
Net underwriting gain	−718	−2,014	−169	−1,375	−1,634	−2,848	−3,359	−2,492	−1,114	2,330	886
Blue Cross-Blue Shield:											
Premium income	7,371	14,446	19,553	21,547	23,471	26,334	30,447	34,338	37,611	39,954	41,508
Claims expense	7,060	14,192	17,826	19,465	21,724	25,467	29,209	32,144	34,398	35,522	37,540
Operating expense	534	1,063	1,330	1,502	1,716	1,951	2,250	2,476	2,710	3,159	3,728
Net underwriting gain	−224	−809	397	580	31	−1,083	−1,012	−282	503	1,273	240
Insurance companies: [1]											
Premium income	8,304	14,075	19,060	21,059	24,386	28,913	33,966	41,434	46,872	50,878	53,089
Claims expense	7,104	12,826	16,435	19,058	21,830	25,774	30,271	36,424	40,109	41,298	43,112
Net underwriting gain	−447	−1,374	−758	−1,760	−1,698	−1,848	−2,256	−2,397	−1,689	445	−128
Other plans:											
Premium income	1,196	4,657	9,403	10,971	14,154	17,347	20,006	22,907	25,201	30,632	35,542

[1] Excludes administrative service agreements and hospital indemnity. Hospital indemnity is a form of health insurance which provides a stipulated daily, weekly, or monthly indemnity during hospital confinement. Indemnity is payable on an unallocated basis without regard to actual expense of hospital confinement.

Source: U.S. Health Care Financing Administration, *Health Care Financing Notes,* Sept. 1987, and unpublished data.

NO. 844. HEALTH INSURANCE—PREMIUM INCOME AND BENEFIT PAYMENTS OF INSURANCE COMPANIES: 1970 TO 1986

[In billions of dollars. Beginning 1975, includes Puerto Rico and other U.S. outlying areas. Represents premium income of and benefits paid by insurance companies only. Excludes Blue Cross-Blue Shield plans, medical-society sponsored plans, and all other independent plans]

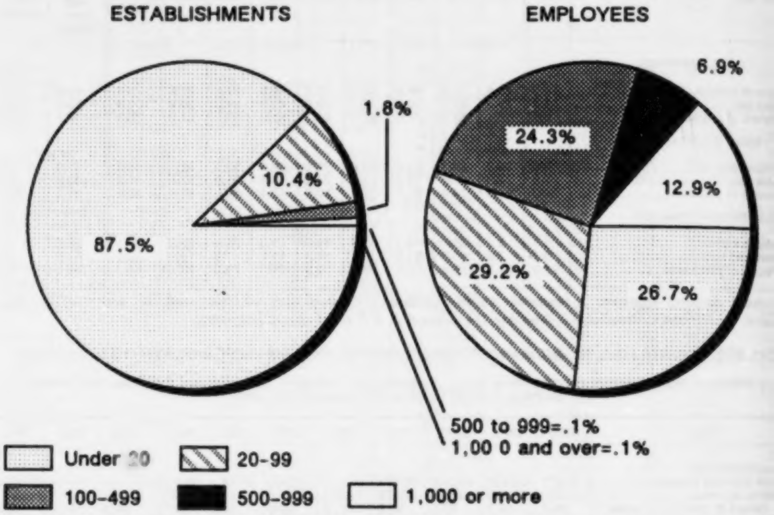
ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Premiums [1]	**11.5**	**20.8**	**28.7**	**32.7**	**37.9**	**43.7**	**49.0**	**58.3**	**63.2**	**70.4**	**75.2**	**75.5**
Group policies [2]	8.1	15.9	23.2	26.9	31.7	36.8	42.5	50.0	54.9	60.8	64.4	65.9
Individual and family policies	3.4	4.9	5.4	5.8	6.2	6.9	6.5	8.3	8.3	9.6	10.8	9.6
Benefit payments	**9.1**	**16.5**	**22.1**	**26.4**	**31.7**	**37.0**	**41.6**	**49.2**	**51.7**	**56.0**	**60.0**	**64.3**
Group policies [2]	7.5	14.2	19.5	22.9	27.9	33.0	37.7	44.2	46.9	50.3	53.7	58.9
Individual and family policies	1.6	2.3	2.6	3.5	3.8	4.0	3.9	4.9	4.8	5.7	6.3	5.4
Type of coverage:												
Loss of income	1.8	2.7	3.1	3.4	4.7	5.3	5.2	5.5	4.9	5.2	5.6	5.6
Medical expense	7.1	13.2	17.6	21.2	24.8	28.9	33.0	39.6	42.4	45.9	49.0	53.4
Dental	.1	.6	1.5	1.8	2.2	2.8	3.5	4.0	4.4	4.9	5.3	5.3

[1] 1970 refers to written premiums; thereafter, refers to earned premiums. [2] Beginning 1975, insurance company group premiums and benefit payments include administrative service agreements and minimum premium plans. Amounts for 1970 contain only a portion of these data.

Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data,* annual.

Figure 17.1

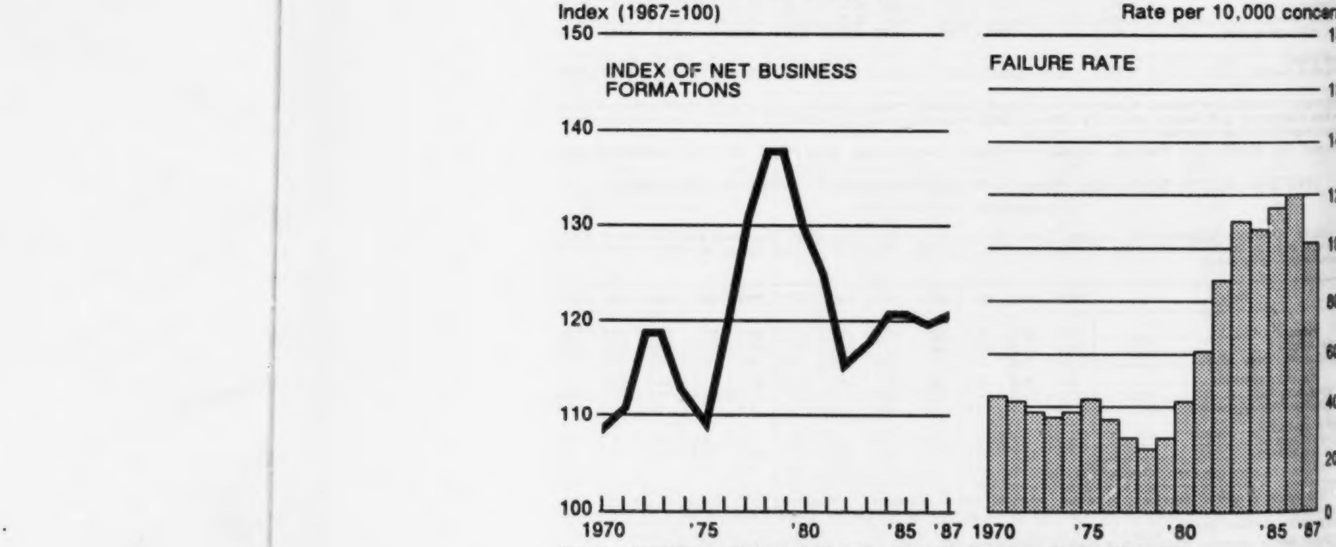
Establishments and Employees, by Employee Size Class–Percent Distribution: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 859.

Figure 17.2

Index of Net Business Formations and Business Failure Rates: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 863.

Section 17

Business Enterprise

This section relates to the place and behavior of the business firm, and to business initiative in the American economy. It includes data on the number, type, and size of businesses; financial data of domestic and multinational U.S. corporations and their foreign affiliates; business investment, expenditures, and profits; business sales and inventories; consumer cooperatives; and business failures. Additional business data may be found in other sections, particularly 27 and 28.

The principal sources of these data are the *Survey of Current Business,* published by the Bureau of Economic Analysis (BEA); the *Federal Reserve Bulletin,* issued by the Board of Governors of the Federal Reserve System; the annual *Statistics of Income* reports of the Internal Revenue Service (IRS); *The Failure Record Through 1987,* issued by the Dun & Bradstreet Corporation, New York; and *Fortune* and *The Fortune Directory,* issued by Time, Inc., New York. Other sources are publications of the Securities and Exchange Commission (SEC), the Bureau of the Census, and the Administrative Office of the United States Courts.

Business firms.—A firm is generally defined as a business organization under a single management and may include one or more establishments (i.e., a single physical location at which business is conducted). The terms firm, business, company, and enterprise are used interchangeably throughout this section. Examples of series where the industrial distribution is based on data collected from establishments are those on capital stock (table 879), those on gross national product by industry (table 686), and those on employment and earnings (section 13). Examples of company-based series are those on business expenditures for new plant and equipment (table 878), those from IRS *Statistics of Income* (tables 855 and 856), and those on corporation profits by industry (tables 889 and 890). A firm doing business in more than one industry is classified by industry according to the major activity of the firm as a whole. The industrial classification is based on the *Standard Industrial Classification (SIC) Manual* (see text, section 13).

The IRS concept of a business firm relates primarily to the legal entity used for tax reporting purposes. The IRS *Statistics of Income* reports present data, based on a sample of tax returns before audit, separately for sole proprietorships, partnerships, and active corporations. A *sole proprietorship* is an unincorporated business owned by one person including large enterprises with many employees and hired managers to the part-time operations in which the owner is the only person involved. A *partnership* is an unincorporated business owned by two or more persons, each of whom has a financial interest in the business. The "persons" could be individuals, estates, trusts, other partnerships or corporations. A *corporation* is a business that is legally incorporated under State laws. The IRS recognizes many types of businesses as corporations, including joint-stock companies; mutual and other insurance companies; and unincorporated associations such as business trusts, etc. While many corporations file consolidated tax returns, most corporate tax returns represent individual corporations, some of which are affiliated through common ownership or control with other corporations filing separate returns.

Assets and liabilities.—In its annual report, *Statistics of Income, Corporation Income Tax Returns,* the IRS presents balance sheet and income estimates for all active U.S. corporations. The Bureau of the Census issues the *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations* (QFR), which presents quarterly income account and balance sheet data for manufacturing, mining, and trade industries. The Federal Reserve Board issues *Working Capital of U.S. Nonfinancial Corporations,* which presents data on components of current assets and liabilities of all nonfinancial U.S. corporations. Both of these reports were prepared by the Federal Trade Commission until responsibilities for QFR were transferred to Census beginning with the 4th quarter 1982 report.

One of the most comprehensive measures of the investment position of the business sector (and the only measure adjusted to current replacement cost) is the BEA capital stock series. See *Survey of Current Business,* August 1988.

Income, profits, dividends, and taxes.—Several agencies, among them IRS and BEA, compile corporate income account data. These data, however, are not comparable because of differing methods of compilation. A reconciliation of the two can be found in table 8.13 of *National Income and Product Accounts of the United States, 1929-82,* and *Survey of Current Business* (normally the July issue), published by BEA. The IRS publishes financial data for all business enterprises. These data appear in *Statistics of Income—Corporation Income Tax Returns* and the *Statistics of Income Bulletin* (partnerships and sole proprietorships). Data on international income and taxes reported by U.S. corporations are also included in the *Statistics of Income Bulletin* and in the periodic *Compendium of Studies of International Income and Taxes.*

Corporate data issued by BEA are a part of its national income and product accounts (see text, section 14). The primary sources for BEA estimates of profits, taxes, dividends, and undistributed profits are the original corporate tax returns submitted to IRS. Various adjustments of IRS data are required by the national income treatment—particularly with respect to profits which would be disclosed if all tax returns were audited; depletion; capital gain or loss; treatment of bad debts; measurement of income received from abroad; and intercorporate dividends—to make the figures comparable with other entries in the national income accounts. For a discussion of two types of adjustments (inventory valuation and capital consumption), see text, section 14. The BEA's corporate profits data also include net earnings of Federal Reserve banks, credit unions, private noninsured pension funds, and several quasi-government credit agencies not included in IRS data.

Comparability of employment data.—Throughout various sections, employment statistics are presented by Bureau of the Census, Bureau of Labor Statistics, and Small Business Administration. Readers should note that all three data sources are not strictly comparable, due to differences in industrial coding and the treatment of closed businesses. In addition, the Small Business Administration omits startup retail amd service businesses, and some mining firms are reported as owned by companies in the petroleum industry. Also, the classification of Bureau of the Census and Bureau of Labor Statistics data by establishment (not owning firm) produces some additional differences in industry classification.

NO. 845. EMPLOYMENT GROWTH BY MAJOR INDUSTRY FROM ALTERNATIVE SOURCES: 1980-1986

[In thousands, except percent change. Covers nonfarm, nongovernment employment. Minus sign (-) indicates decrease]

INDUSTRY	SMALL BUSINESS ADMINISTRATION			BUREAU OF LABOR STATISTICS			BUREAU OF THE CENSUS		
	Employment		Percent change 1980-1986	Employment		Percent change 1980-11985	Employment		Percent change 1980-1986
	1980	1986		1980	1986		1980	1986	
Total	**82,071**	**91,180**	**11.10**	**74,165**	**82,832**	**10.09**	**[1]74,844**	**[1]83,380**	11.41
Agriculture, forestry, fishing	811	945	16.52	(NA)	(NA)	(NA)	290	412	42.07
Mining	1,128	1,137	.80	1,027	777	-24.34	994	847	-14.79
Construction	4,748	5,011	5.54	4,346	4,816	10.81	4,473	4,659	4.16
Manufacturing	24,417	22,875	-6.32	20,285	18,965	-6.51	21,165	19,142	-9.56
Transportation, communications, utilities	5,872	6,160	4.90	5,146	5,255	2.12	4,623	4,884	5.65
Wholesale trade	5,499	6,262	13.88	5,275	5,753	9.06	5,211	5,725	9.86
Retail trade	15,011	17,143	14.20	15,035	17,930	19.26	15,047	17,550	16.63
Finance, insurance, real estate	5,736	7,099	23.76	5,160	6,283	21.76	5,295	6,371	20.32
Services	18,849	24,549	30.24	17,890	23,053	28.86	17,186	22,878	33.12

NA Not available. [1] Total includes nonclassifiable establishments, not shown separately.

Source: U.S. Small Business Administration, Office of Advocacy, *Small Business Data Base,* USEEM files, unpublished data, 1988; U.S. Bureau of Labor Statistics, *Employment, Hours and Earnings, United States, 1909-84,* and *Supplement to Employment and Earnings, 1988;* and U.S. Bureau of the Census, *County Business Patterns, U.S. Summary,* annual.

Sources and uses of corporate funds.—These data (table 895) show capital requirements of corporations and the manner in which they are financed. Sources of funds should be equal to their uses. Certain discrepancies, however, interfere with this equality due to omission of (1) money accruing to corporations from an excess of sales over purchases of used plant and equipment, (2) transactions in securities held as permanent investments except public offerings, and (3) net purchases of land. Also, the balance sheet data upon which many of the financial flow estimates are based are not fully comparable with the tax-return based estimates of internal sources, or the establishment series underlying the figures on inventory change.

Plant and equipment expenditures.—Estimates of actual and planned expenditures for new plant and equipment in the United States by most private nonagricultural business firms are based on quarterly sample surveys conducted by the Bureau of Economic Analysis.

For quarterly data, see current issues of the *Survey of Current Business*. For a discussion of coverage, concepts, and methodology, see the February 1985 issue of the *Survey*.

Sales and inventories.—Sales are estimated aggregate values, and inventories are book values at the end of the period. Sales signifies sales or shipments for retail and wholesale trade and billings or shipments for manufacturing. Trade inventories are valued at cost of merchandise on hand, while manufacturers' inventories are valued at approximate current costs or at book values, as reported by the manufacturer. Inventories (see table 883) are based on data from censuses (conducted every five years, for years ending in "2" and "7") and annual surveys. Monthly data for manufacturing appear in the Bureau of the Census Current Industrial Reports, *Manufacturers' Shipments, Inventories, and Orders*, series M3-1; for data on retail and wholesale trade, see section 28.

Sales, assets, net income, stockholder's equity, and total returns to investors.—**Sales** include service and rental revenues but exclude dividends, interest, and other non-operating revenues. All companies must have derived more than 50 percent of their sales from manufacturing and/or mining. Sales of subsidiaries are included when they are consolidated. **Assets** are those shown at the company's year-end. **Net income** is shown after taxes and after extraordinary credits or charges when any are shown on the income statement. **Stockholder's equity** is the sum of capital stock, surplus and retained earnings at the company's year-end. Redeemable preferred stock is excluded when its redemption is either mandatory or outside the control of the company, except in the case of cooperatives. **Total returns to investors** include both price appreciation and dividend yield. Returns are adjusted for stock splits, stock dividends, recapitalizations, and corporate reorganizations as they occur. For further discussion, see Time, Inc., New York, NY, *The Fortune Directory*, May and June issues.

Economic censuses.—The economic censuses constitute comprehensive and periodic canvasses of the Nation's industrial and business activities. The first economic census of the United States was conducted as part of the 1810 decennial census, when inquiries on manufacturing were included with the census of population. Minerals data were collected in 1840. The first censuses of construction and business were taken for 1929. An integrated economic census program was begun for 1954. In that year, the censuses covered the retail and wholesale trades, selected service industries, manufactures, and mineral industries. The economic censuses are taken at 5-year intervals covering years ending in "2" and "7".

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 846. NUMBER OF RETURNS, RECEIPTS, AND NET INCOME, BY TYPE OF BUSINESS: 1970 TO 1985

[Figures are estimates based on samples; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series V 1-12. For further information regarding corporations, see table 854]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985
Number	**1,000**	**12,001**	**13,979**	**16,187**	**16,793**	**13,858**	**14,546**	**15,245**	**16,077**	**16,920**
Receipts	**Bil. dol**	**2,082**	**3,685**	**6,345**	**7,159**	**7,725**	**7,755**	**7,891**	**8,752**	**9,306**
Net income (less loss) [1]	**Bil. dol**	**109**	**196**	**361**	**302**	**264**	**198**	**245**	**301**	**310**
Proprietorships, number [2]	1,000	9,400	10,882	12,330	12,702	9,585	10,106	10,704	11,262	11,929
Business receipts [3]	Bil. dol	238	339	488	506	427	434	465	516	540
Net income (less loss) [1]	Bil. dol	33	45	61	55	53	51	60	71	79
Partnerships, number	1,000	936	1,073	1,300	1,380	1,461	1,514	1,542	1,644	1,714
Total receipts [4]	Bil. dol	93	147	258	292	272	297	291	375	368
Net income (less loss) [1]	Bil. dol	10	8	15	8	−3	−7	−3	−3	−9
Corporations, number	1,000	1,665	2,024	2,557	2,711	2,812	2,926	2,999	3,171	3,277
Total receipts [4]	Bil. dol	1,751	3,199	5,599	6,361	7,026	7,024	7,135	7,861	8,398
Net income (less loss) [1]	Bil. dol	66	143	285	239	214	154	188	233	240

[1] Net income (less loss) is defined differently by form of organization, basically as follows: (a) Proprietorships: Total taxable receipts less total deductions, including cost of sales and operations (except charitable contributions and owners' salary), investment and other income are excluded; (b) Partnerships: Total taxable receipts less total deductions, including cost of sales and operations (except foreign taxes and oil depletion), investment and other income (except capital gains); (c) Corporations: Total taxable receipts less total deductions, including cost of sales and operations; investment and other income, such as capital gains and income from foreign corporations considered received for tax purposes only; net income is before income tax. [2] Through 1980, includes both individually owned businesses and farms; beginning 1981, includes only nonfarm businesses. [3] Receipts from sales and services; excludes capital gains and losses and other investment income not associated with taxpayer's business. [4] Receipts from sales and services plus investment income (for partnerships, excludes capital gains and losses).

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Returns*, and *Statistics of Income Bulletin*.

NO. 847. NUMBER OF RETURNS AND BUSINESS RECEIPTS, BY SIZE OF RECEIPTS AND TYPE OF BUSINESS: 1970 TO 1985

[Figures are estimates based on sample of unaudited tax returns; see Appendix III. The industrial distribution is based on data collected from companies; see text, section 17. Due to minor variations in estimating techniques, totals differ slightly from those shown in other IRS tables in this section. See also *Historical Statistics, Colonial Times to 1970*, series V 1–12. For further information regarding corporations, see table 854]

SIZE-CLASS OF RECEIPTS	1970		1975		1980		1983		1984		1985	
	Returns (1,000)	Receipts (bil. dol.)	Returns (1,000)	Receipts (bil. dol.)	Returns (1,000)	Receipts (bil. dol.)	Returns (1,000)	Receipts (bil. dol.)	Returns (1,000)	Receipts (bil. dol.)	Returns (1,000)	Receipts (bil. dol.)
Corporate returns [1] [2]	**1,666**	**1,621**	**2,024**	**2,962**	**2,712**	**5,732**	**2,999**	**6,335**	**3,171**	**6,948**	**3,277**	**7,370**
Under $25,000	452	2	469	2	557	3	629	3	686	3	711	4
$25,000–$49,999	171	5	186	5	208	6	213	7	213	7	237	8
$50,000–$99,999	220	14	261	17	323	21	330	22	339	23	330	22
$100,000–$499,999	517	116	674	155	926	215	1,043	250	1,084	261	1,110	270
$500,000–$999,999	141	95	184	125	280	192	318	217	345	238	352	244
$1,000,000 or more	165	1,391	250	2,658	418	5,294	468	5,835	505	6,417	538	6,823
Partnership returns [1] [2]	**936**	**90**	**1,073**	**146**	**1,380**	**286**	**1,541**	**243**	**1,643**	**318**	**1,714**	**303**
Under $25,000	502	3	550	4	638	4	781	2	820	2	840	2
$25,000–$49,999	125	4	140	5	182	7	177	3	197	4	195	3
$50,000–$99,999	120	8	133	10	184	13	204	8	200	8	200	8
$100,000–$499,999	162	33	204	44	290	64	282	42	313	46	356	49
$500,000–$999,999	17	12	26	17	48	33	54	25	61	27	67	29
$1,000,000 or more	10	30	18	66	37	164	44	163	52	232	56	212
Non-farm proprietorship returns [2]	[3] **6,494**	**199**	[3] **7,760**	**274**	[3] **9,730**	**411**	**10,704**	**465**	**11,262**	**516**	**11,929**	**540**
Under $25,000	4,738	30	5,627	35	6,916	44	7,591	49	7,832	52	8,250	54
$25,000–$49,999	746	27	850	30	1,079	39	1,187	42	1,261	45	1,394	50
$50,000–$99,999	562	40	645	45	836	59	919	65	1,061	74	1,094	77
$100,000–$499,999	420	76	590	113	796	159	889	178	984	203	1,060	213
$500,000–$999,999	21	14	35	24	74	50	83	57	86	61	89	61
$1,000,000 or more	7	12	13	26	29	61	35	74	37	81	41	65

[1] Includes firms with no receipts. [2] Business receipts. Active firms only. [3] Number of businesses. Number of non-farm sole proprietorship returns is not available prior to 1981. However, the number of returns and the number of businesses are very closely related. Since 1970, the ratio of number of returns to the number of businesses has remained approximately 1 to 1.1.

Source: U.S. Internal Revenue Service, *Statistics of Income, Statistics of Income Bulletin*, and unpublished data.

No. 848. Number of Returns, Receipts, and Net Income, by Type of Business and Industry: 1985

[See headnote, table 847. For further information regarding corporations, see table 854. See *Historical Statistics, Colonial Times to 1970*, series V 42-53, for number of active corporations. Minus sign (–) indicates net loss]

INDUSTRY	NUMBER OF RETURNS (1,000)			BUSINESS RECEIPTS [1] (bil. dol.)			NET INCOME (less loss) [2] (bil. dol.)		
	Nonfarm proprietorships	Active partnerships	Active corporations	Nonfarm proprietorships	Active partnerships	Active corporations	Nonfarm proprietorships	Active partnerships	Active corporations
Total [3]	**11,929**	**1,714**	**3,277**	**540.0**	**302.7**	**7,369.5**	**78.8**	**–8.9**	**240.1**
Agriculture, forestry, and fishing [4]	319	136	103	11.9	6.5	65.4	.9	–1.0	–.1
Mining	176	62	41	12.5	19.9	126.7	.5	1.5	–2.5
Construction	1,454	57	318	70.8	21.4	374.6	11.1	2.2	4.4
Manufacturing	326	30	277	16.9	22.5	2,656.3	1.3	–1.1	113.8
Transportation, public utilities	546	25	138	25.9	11.2	733.9	2.4	–3.1	25.1
Wholesale and retail trade [5]	2,289	201	917	205.4	69.0	2,408.2	8.3	2.0	33.1
Wholesale	281	27	310	31.0	23.5	1,187.6	2.5	.5	16.0
Retail	1,956	173	604	172.5	45.4	1,216.6	5.5	1.5	17.2
Finance, insurance, real estate	1,014	844	518	31.4	[6] 92.3	[6] 1,182.0	9.8	–25.9	60.7
Services	5,532	341	939	157.3	104.1	498.0	43.0	16.5	5.9

[1] See footnote 3, table 846. [2] See footnote 1, table 846. [3] Includes business not specifically allocated to industries below. See also exception in footnote 6. [4] Represents agricultural services only. [5] Includes trade business not identified as wholesale or retail. [6] Includes total receipts from all sources (including investment income) for businesses in this category; therefore, the industry detail in this column exceeds the total.

Source: U.S. Internal Revenue Service, *Statistics of Income*, various publications.

No. 849. Number of Returns, Receipts, and Net Income, by Industry, Type of Business, and Size of Business Receipts: 1985

[**Number in thousands; receipts and net income in millions of dollars.** Figures are estimates based on a sample of unaudited tax returns; see Appendix III. The industrial distribution is based on data collected from establishments; see text, section 17. See *Historical Statistics, Colonial Times to 1970*, series V 42-53, for number of active corporations. Minus sign (–) indicates net loss]

INDUSTRY	Nonfarm proprietorships,[1] total	ACTIVE PARTNERSHIPS			ACTIVE CORPORATIONS				
		Under $100,000 [2]	$100,000–$499,999	$500,000 or more	Under $1,000,000 [2]	$1,000,000–$4,999,999	$5,000,000–$9,999,999	$10,000,000–$49,999,999	$50,000,000 or more
All industrial divisions: [3]									
Number	11,929	1,235	356	123	2,740	408	65	53	11
Business receipts [4]	540,045	12,763	49,481	240,489	546,880	832,403	427,259	976,236	4,586,762
Net income (less loss)	78,772	–20,176	1,655	9,637	–3,521	10,262	7,796	26,274	199,307
Agriculture, forestry, fishing: [6]									
Number	319	126	8	2	94	8	1	1	(Z)
Business receipts [4]	11,927	416	1,673	4,440	16,382	15,754	5,657	11,760	15,866
Mining:									
Number	176	50	9	3	36	4	1	1	(Z)
Business receipts [4]	12,503	621	2,012	17,289	4,698	9,289	4,787	12,531	95,406
Construction:									
Number	1,454	30	22	5	254	53	7	4	(Z)
Business receipts [4]	70,790	1,146	5,178	15,152	63,865	108,278	48,844	80,042	73,561
Manufacturing:									
Number	326	17	10	3	185	63	14	12	3
Business receipts [4]	16,937	259	2,027	20,301	48,768	140,509	95,623	244,828	2,126,617
Transportation, public utilities:									
Number	546	18	4	2	115	18	3	2	1
Business receipts [4]	25,886	806	892	9,555	22,363	38,672	17,420	36,406	619,083
Wholesale and retail trade:									
Number	2,289	107	71	23	685	175	29	25	4
Business receipts [4]	205,412	3,140	15,577	50,362	187,413	378,718	203,911	488,015	1,150,119
Finance, insurance, real estate:									
Number	1,014	654	138	52	479	26	6	6	2
Business receipts [4] [5]	31,418	956	4,041	40,915	34,554	25,515	11,843	40,735	389,347
Services:									
Number	5,532	221	88	32	869	61	6	3	1
Business receipts [4]	157,334	5,251	17,244	81,701	167,417	114,544	38,888	61,009	116,124

Z Less than 500 returns. [1] Individually owned businesses. [2] Includes businesses without receipts. [3] Includes businesses not allocable to individual industries. [4] Represents receipts from sales and services. [5] Excludes investment income reflected in table 848 for partnerships and corporations. [6] Represents agricultural services only.

Source: U.S. Internal Revenue Service, *Statistics of Income*, various publications and unpublished data.

No. 850. Nonfarm Sole Proprietorship Returns—Selected Income and Deduction Items: 1970 to 1986

[**In millions of dollars, except as indicated.** All figures are estimates based on sample. Tax law changes have affected the comparability of the data over time. See *Statistics of Income* reports for a description of appropriate years tax law changes; see Appendix III. See also *Historical Statistics, Colonial Times to 1970,* series V 4-6]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986[1]
Number of returns, total (1,000)	**5,770**	**7,221**	[2] **8,932**	[2] **10,106**	**10,704**	**11,262**	**11,929**	**12,393**
Businesses with net income (1,000)	(NA)	(NA)	(NA)	6,761	7,390	8,003	8,641	9,248
Inventory, end of year	11,061	15,578	21,996	21,805	(NA)	23,233	24,970	24,477
Business receipts, total [3]	**198,582**	**273,955**	**411,206**	**433,665**	**465,169**	**516,037**	**540,045**	**559,384**
Income from sales and operations	(NA)	272,343	407,169	426,312	455,382	507,234	526,675	548,273
Business deductions, total [3]	**168,045**	**234,318**	**356,258**	**383,092**	**404,809**	**445,270**	**461,273**	[illegible]
Cost of goods sold/operations	109,149	146,261	209,890	205,471	212,631	229,906	232,294	232,135
Purchases	88,586	117,722	168,302	161,295	(NA)	(NA)	(NA)	(NA)
Labor costs	7,704	8,791	10,922	11,425	9,671	13,009	14,504	17,316
Materials and supplies	6,216	9,091	12,909	12,736	(NA)	(NA)	(NA)	(NA)
Commissions	1,274	2,226	3,333	4,464	(NA)	(NA)	(NA)	5,461
Salaries and wages (net)	15,107	20,226	26,561	30,403	31,666	34,686	38,266	38,591
Car and truck expenses	(NA)	(NA)	13,378	(NA)	14,758	17,524	17,044	16,381
Rent paid	4,637	6,676	9,636	11,797	11,831	14,278	15,259	15,664
Repairs	2,445	3,044	5,032	6,006	(NA)	(NA)	(NA)	(NA)
Taxes paid	3,776	5,424	7,672	7,748	(NA)	(NA)	(NA)	(NA)
Utilities	(NA)	(NA)	4,790	(NA)	(NA)	(NA)	(NA)	(NA)
Insurance	2,310	3,504	6,003	6,448	(NA)	(NA)	(NA)	10,763
Interest paid	1,784	3,391	7,190	10,143	9,926	11,025	11,914	11,504
Depreciation	5,452	7,958	13,953	19,122	22,070	23,900	26,291	28,416
Pension and profit sharing plans	73	125	141	136	123	258	311	539
Net income (less loss)	**30,537**	**39,637**	**54,947**	**50,573**	**60,359**	**70,767**	**78,773**	**90,433**
Businesses with net income	33,736	45,625	68,010	68,647	78,618	89,849	98,776	110,497

NA Not available. [1] Preliminary. [2] Includes breakeven businesses. [3] Includes other amounts not shown separately.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin.*

No. 851. Partnership Returns—Selected Income Statement and Balance Sheet Items: 1970 to 1986

[**In millions of dollars, except as indicated.** All figures are estimates based on samples. See headnote, table 850. See also Appendix III and *Historical Statistics, Colonial Times to 1970,* series V 7-9]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Active partnerships, number (1,000)	**936**	**1,073**	**1,380**	**1,461**	**1,514**	**1,542**	**1,644**	**1,714**	**1,703**
Number with net income (1,000)	640	661	774	749	791	784	845	876	861
Number with balance sheets (1,000)	556	783	1,194	1,198	1,223	1,191	1,215	1,227	1,233
Number of partners (1,000)	**3,696**	**4,951**	**8,420**	**9,448**	**9,765**	**10,589**	**12,427**	**13,245**	**15,339**
Assets, total [1] [2]	**116,753**	**235,468**	**597,504**	**715,233**	**845,261**	**886,993**	**1,030,849**	**1,269,434**	**1,403,7[illegible]**
Depreciable assets (net)	(NA)	113,125	239,140	367,270	310,846	345,897	581,643	695,879	779,836
Inventories, end of year	(NA)	11,965	33,218	59,650	100,729	77,059	61,756	27,279	47,386
Land	(NA)	36,732	70,241	76,333	87,820	98,427	122,037	152,179	179,142
Liabilities, total [1]	(NA)	**193,876**	**488,734**	**580,034**	**701,630**	**745,153**	**855,373**	**1,269,434**	**1,175,737**
Accounts, payable	(NA)	12,302	33,899	29,092	37,255	34,725	32,780	46,872	43,802
Short-term debt [3]	(NA)	22,709	48,002	55,692	73,278	67,295	68,626	102,760	92,457
Long-term debt [4]	(NA)	[5] 136,297	178,044	196,509	236,218	268,268	322,327	381,961	429,196
Nonrecourse loans	(NA)	([5])	118,910	138,134	154,509	194,829	260,167	327,558	365,044
Partner's capital accounts	(NA)	41,593	108,770	135,199	143,651	141,840	175,476	200,213	228,023
Total receipts [1]	**93,348**	**148,418**	**291,998**	**272,130**	**296,690**	**291,319**	**375,193**	**367,117**	**397,582**
Business receipts	90,209	142,506	271,109	230,027	251,609	243,248	318,342	302,733	327,435
Interest received [6]	942	2,447	10,869	13,773	15,260	15,006	16,651	20,559	21,716
Deductions, total [1]	**83,558**	**140,680**	**283,749**	**274,865**	**304,005**	**293,929**	**378,693**	**376,001**	**414,673**
Cost of goods sold/operations	46,041	64,673	113,886	130,044	144,595	125,331	180,858	146,315	164,199
Salaries and wages	8,129	12,489	22,336	21,953	23,205	24,734	28,523	33,884	36,305
Taxes paid	3,159	5,771	9,553	5,040	5,289	5,910	6,673	7,746	7,886
Interest paid	4,470	12,097	28,362	19,586	21,517	22,364	25,438	28,683	29,452
Depreciation	4,579	10,109	21,576	27,263	32,362	37,340	19,782	22,576	23,446
Net income (less loss)	**9,790**	**7,738**	**8,249**	**−2,735**	**−7,315**	**−2,610**	**−3,500**	**−8,884**	**−17,371**
Businesses with net income	14,419	22,432	45,062	50,567	53,557	60,308	69,697	77,045	80,215

NA Not available. [1] Includes other amounts not shown separately. [2] Total assets, total liabilities, and partner's capital accounts are somewhat understated because not all partnership returns filed contained a complete balance sheet. [3] Represents mortgages, notes, and bonds payable in less than one year. [4] Represents mortgages, notes, and bonds payable in one year or more. [5] Tax year 1975 long term debt included nonrecourse loans. [6] Beginning 1982, includes both interest and dividends.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin,* various publications.

No. 852. Partnerships—Selected Items by Industrial Division: 1980 to 1986

[In millions of dollars, except partners and partnerships in thousands. Includes partnership not allocable by nature of business. Figures are estimates based on samples. See Appendix III]

INDUSTRY AND YEAR	NUMBER OF PARTNERSHIPS			Number of partners	Total assets	Business receipts [1] [2]	Total deductions [2]	Net income less loss [2]	Net income	Net loss
	Total	With net income	With net losses							
All industries:										
1980	1,380	774	605	8,420	597,504	285,967	283,749	8,249	45,062	36,813
1982	1,514	791	723	9,765	845,281	284,037	304,005	-7,315	53,557	60,871
1983	1,542	784	758	10,589	886,993	278,347	293,929	-2,610	60,308	62,918
1984	1,644	845	799	12,427	1,030,849	357,803	378,693	-3,500	69,697	73,197
1985	1,714	876	838	13,245	1,269,434	349,169	376,001	-8,884	77,045	85,928
1986	1,703	851	851	15,229	1,403,750	343,511	414,673	-17,371	80,215	97,586
Agriculture, forestry, and fishing:										
1980	126	72	54	381	24,595	21,611	22,859	472	2,539	2,067
1982	133	68	65	450	24,814	5,004	8,403	-701	2,452	3,153
1983	137	73	63	466	24,717	5,949	8,772	-145	2,626	2,771
1984	139	73	66	494	26,739	5,886	9,242	-749	2,478	3,227
1985	136	76	60	585	27,027	6,529	10,495	-1,049	2,797	3,846
1986	147	78	69	642	24,749	6,085	9,825	-938	2,746	3,684
Mining:										
1980	35	15	20	722	24,742	13,201	18,248	-4,208	3,920	8,128
1982	56	23	33	1,574	45,550	17,563	28,628	-8,830	5,795	14,625
1983	60	24	36	2,083	49,775	17,077	23,586	-4,110	6,369	10,479
1984	57	31	26	2,007	52,415	16,638	21,985	69	7,857	7,788
1985	62	33	30	2,207	66,930	19,922	21,920	1,482	7,884	6,402
1986	53	23	30	2,351	66,969	14,749	21,290	-3,458	5,214	8,672
Oil and gas extraction:										
1980	31	14	17	686	18,881	9,252	13,659	-3,694	3,577	7,271
1982	51	22	29	1,512	38,048	13,717	23,525	-7,727	5,493	13,220
1983	56	23	33	1,988	41,067	13,226	19,048	-3,546	5,917	9,463
1984	51	27	24	1,833	41,266	14,177	16,674	787	7,349	6,561
1985	56	31	25	2,130	55,760	15,577	16,479	2,272	7,280	5,008
1986	49	22	27	2,270	55,987	10,995	16,382	-2,657	4,660	7,317
Construction:										
1980	67	51	16	160	9,811	18,407	17,202	1,560	2,119	559
1982	66	47	19	152	11,654	18,052	17,181	1,419	2,061	642
1983	64	46	18	149	14,965	21,623	20,759	2,168	3,087	919
1984	65	47	18	173	13,783	23,198	21,655	2,193	2,966	773
1985	57	41	16	134	15,008	21,476	20,080	2,207	2,743	536
1986	61	41	20	137	16,556	26,823	25,123	2,498	3,206	703
Transportation and public utilities:										
1980	20	11	10	73	9,291	5,868	5,821	248	1,092	844
1982	18	8	10	93	17,671	6,570	7,577	-761	1,098	1,859
1983	20	9	11	103	19,809	7,155	8,194	-703	1,128	1,831
1984	21	14	7	142	21,109	10,733	13,332	-2,007	1,280	3,288
1985	25	15	10	186	26,468	11,253	14,814	-3,066	1,360	4,426
1986	21	7	14	223	33,567	12,599	16,276	-3,029	1,682	4,712
Manufacturing:										
1980	30	20	10	92	11,252	15,327	16,142	-472	1,199	1,671
1982	23	14	9	77	13,022	14,824	15,960	-816	940	1,756
1983	26	12	14	91	13,966	14,179	15,291	-744	890	1,634
1984	30	15	15	94	19,574	18,326	20,046	-1,101	1,165	2,266
1985	30	12	18	105	24,838	22,588	24,225	-1,085	1,228	2,314
1986	28	17	11	108	25,299	22,227	23,187	-458	1,512	1,970
Wholesale and retail trade:										
1980	200	123	77	487	17,727	65,793	63,988	2,475	3,374	900
1982	205	118	87	491	19,279	69,736	68,980	1,601	3,043	1,442
1983	194	102	92	479	19,804	59,880	59,140	1,540	3,012	1,472
1984	185	98	87	444	21,222	72,335	71,707	1,666	3,238	1,572
1985	201	113	88	493	20,568	69,079	68,119	1,977	3,467	1,490
1986	174	105	69	409	23,007	68,495	67,216	2,272	3,717	1,445
Finance, insurance, and real estate:										
1980	637	313	325	5,566	454,531	87,133	91,382	-4,249	15,169	19,418
1982	726	334	392	5,757	647,465	85,905	97,061	-11,156	19,465	30,621
1983	730	327	403	5,927	670,225	76,784	89,889	-13,105	22,542	35,647
1984	791	350	441	7,408	770,457	94,362	113,606	-19,244	25,646	44,890
1985	844	369	475	7,755	979,787	92,309	118,237	-25,929	30,383	56,311
1986	853	350	503	9,459	1,068,220	112,594	145,574	-32,980	32,477	65,457
Real estate:										
1980	464	211	253	3,212	275,895	60,637	63,924	-3,287	8,125	11,412
1982	568	245	323	3,738	394,966	33,798	45,089	-11,100	11,940	23,039
1983	585	245	341	4,328	465,891	41,355	56,234	-14,879	14,601	29,480
1984	637	262	375	5,131	598,425	53,718	74,922	-21,204	18,548	39,752
1985	694	285	409	5,992	724,342	59,746	89,505	-29,759	21,007	50,766
1986	713	276	437	7,436	811,817	65,721	102,338	-36,617	22,512	59,129
ervices:										
1980	263	169	94	938	45,510	58,627	48,106	12,424	15,649	3,224
1982	279	175	104	1,147	64,798	65,835	59,627	11,902	18,558	6,656
1983	306	188	118	1,275	73,186	75,069	67,639	12,457	20,570	8,113
1984	331	204	127	1,578	87,984	90,244	82,239	15,583	24,800	9,217
1985	341	207	134	1,713	106,597	104,197	96,202	16,541	26,942	10,400
1986	325	208	117	1,744	123,461	111,701	102,362	18,563	29,021	10,458

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[1] Business plus investment receipts for partnerships in finance, insurance, and real estate, and business receipts for all other ndustries. [2] Beginning 1982, the agriculture, forestry, and fishing industries are based on revised collection procedure. See ource for detail.

Source: U.S. Internal Revenue Service, *Statistics of Income, Partnership Returns—1978-1982,* and *Statistics of Income Bulletin.*

No. 853. Nonfinancial Corporate Business-Sector Balance Sheet: 1970 to 1987

[In billions of dollars. Represents year-end outstandings]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	19
Total assets	**1,305**	**2,210**	**3,077**	**3,516**	**4,001**	**4,461**	**4,632**	**4,864**	**5,202**	**5,456**	**5,716**	[illegible]
Tangible assets (current cost)	935	1,652	2,311	2,618	2,988	3,363	3,508	3,611	3,850	3,997	4,145	[illegible]
Reproducible	823	1,487	2,076	2,352	2,671	2,993	3,107	3,186	3,386	3,502	3,616	[illegible]
Land	112	164	235	267	318	370	401	425	464	495	528	552
Financial assets	370	559	766	898	1,013	1,098	1,124	1,242	1,352	1,459	1,571	1,672
Liquid assets	60	125	160	186	214	255	297	351	388	415	472	513
Demand deposits and currency	44	54	58	60	65	65	74	80	87	97	108	106
Time deposits	5	22	31	36	42	60	72	88	101	111	121	130
Consumer credit	11	16	21	22	22	24	24	28	31	35	38	35
Mutual fund shares	1	1	1	1	2	2	3	5	7	13	15	19
Trade credit	195	256	367	437	486	509	493	555	602	637	640	691
Miscellaneous assets	94	160	217	252	290	309	306	303	324	360	389	413
Total liabilities	**540**	**767**	**1,071**	**1,233**	**1,377**	**1,532**	**1,609**	**1,731**	**1,990**	**2,213**	**2,432**	[illegible]
Credit market instruments	354	545	740	835	912	1,018	1,088	1,151	1,347	1,519	1,709	[illegible]
Profit taxes payable	11	14	25	27	25	19	4	10	11	9	10	10
Trade debt	162	180	264	317	356	387	392	433	467	500	503	522
Foreign direct investment in U.S.	13	28	42	54	83	109	125	137	165	185	209	244
Net worth	**765**	**1,443**	**2,006**	**2,283**	**2,625**	**2,929**	**3,023**	**3,122**	**3,212**	**3,343**	**3,284**	[illegible]

Source: Board of Governors of the Federal Reserve System, *Balance Sheets for the U.S. Economy.*

No. 854. Corporation Income Tax Returns—Selected Financial Items: 1970 to 1985

[**In billions of dollars, except number of returns.** Federal returns and active corporations only. All corporations are required to file returns except those specifically exempt. See source for changes in law affecting comparability of historical data. Based on samples; see Appendix III. See also *Historical Statistics, Colonial Times to 1970,* series Y 381-392]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	198
Number of returns, total (1,000)	**1,665**	**2,024**	**2,578**	**2,711**	**2,812**	**2,926**	**2,999**	**3,171**	**3,277**
Number with net income (1,000)	1,008	1,226	1,599	1,597	1,597	1,606	1,676	1,778	1,820
S Corporation returns [1] (1,000)	257	358	519	545	541	564	648	701	725
BALANCE SHEET									
Assets, total [2]	**2,635**	**4,287**	**6,846**	**7,617**	**8,547**	**9,358**	**10,201**	**11,107**	**12,773**
Cash	177	290	462	529	533	541	590	596	660
Notes and accounts receivable	615	1,062	1,817	1,985	2,240	2,420	2,677	2,897	3,316
Inventories	190	318	504	535	566	561	599	664	715
Investments in Government obligations	197	316	421	472	515	606	685	726	917
Mortgage and real estate	328	548	841	894	934	942	982	1,127	1,259
Other investments	401	686	1,028	1,214	1,368	1,605	1,798	1,973	2,414
Depreciable assets	869	1,277	1,897	2,107	2,353	2,583	2,730	2,913	3,174
Depletable assets	19	39	58	72	84	95	108	115	112
Land	47	67	85	93	102	110	119	128	141
Liabilities [2]	**2,635**	**4,287**	**6,836**	**7,617**	**8,547**	**9,358**	**10,201**	**11,107**	**12,773**
Accounts payable	149	263	483	542	620	679	671	741	692
Mortgages, notes, and bonds [3]	171	272	452	505	586	667	760	867	1,001
Mortgages, notes, and bonds [4]	363	587	865	987	1,058	1,224	1,323	1,494	1,696
Capital stock	201	252	353	417	533	658	787	839	920
Paid-in or capital surplus	197	299	448	532	671	782	874	1,086	1,421
Retained earnings [5]	356	568	959	1,070	1,170	1,228	1,274	1,308	1,386
Net worth	**752**	**1,097**	**1,720**	**1,944**	**2,244**	**2,470**	**2,645**	**2,884**	[illegible]
INCOME STATEMENT									
Receipts, total [2]	**1,751**	**3,199**	**5,616**	**6,361**	**7,026**	**7,024**	**7,135**	**7,861**	[illegible]
Business receipts	1,621	2,962	5,153	5,732	6,245	6,157	6,335	6,948	7,370
Interest [6]	72	143	289	367	494	530	511	580	635
Rents and royalties	17	27	40	54	68	83	83	90	105
Deductions, total [2]	**1,683**	**3,053**	**5,332**	**6,125**	**6,814**	**6,869**	**6,945**	**7,629**	[illegible]
Cost of sales and operations	1,146	2,130	3,722	4,205	4,509	4,271	4,308	4,883	4,894
Compensation of officers	33	58	97	109	120	129	141	157	171
Rent paid on business property	24	41	64	72	82	95	105	119	135
Taxes paid	50	82	128	163	170	166	173	192	207
Interest paid	62	129	262	345	477	515	475	536	595
Depreciation	53	86	138	157	186	213	241	286	304
Advertising	18	27	46	52	60	65	72	82	92
Net income (less loss), total	**66**	**143**	**285**	**239**	**214**	**154**	**188**	**233**	**240**
Net income	84	169	322	297	301	274	297	349	364
Deficit	18	26	37	58	87	120	109	116	124
TAX ITEMS									
Income subject to tax	72	147	280	247	240	205	219	257	265
Income tax before credits [7]	33	66	119	104	101	85	90	106	109
Tax credits, total [2]	**5**	**36**	**54**	**42**	**44**	**40**	**40**	**44**	[illegible]
Foreign tax credit	5	20	37	25	22	19	20	21	[illegible]
Income tax after credits [7]	**28**	**30**	**65**	**62**	**57**	**45**	**51**	**62**	[illegible]

NA Not available. [1] Small business corporations. Represents corporations with no more than 35 shareholders (10 prior to 1983), most of which are individuals, electing to be taxed at the shareholder level. [2] Includes items not shown separately. [3] Payable in less than one year. [4] Payable in one year or more. [5] Appropriated and unappropriated. [6] Includes tax-exempt interest on Government obligations issued by U.S. State and local governments. [7] Consists of regular and alternative tax; excludes minimum tax and adjustments for certain prior year credits. Tax year 1970 includes surcharge of $794 million

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporations Income Tax Returns,* annual.

No. 855. Corporation Income Tax Returns—Financial Summary by Industrial Division: 1970 to 1985

[In billions of dollars, except as indicated. Industrial distribution based on data collected from companies; see text, section 17. Excludes corporations not allocable by nature of business]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985
Agriculture, forestry, and fishing:								
Returns (1,000)	37	56	81	85	91	92	98	103
Assets	11.9	21.2	40.7	46.1	50.4	50.3	50.7	52.7
Liabilities [1]	7.9	14.3	29.3	32.5	36.3	36.7	36.4	37.2
Receipts	14.3	28.1	52.1	65.1	65.4	59.2	66.6	70.5
Deductions	14.2	27.4	51.4	64.7	65.4	59.4	66.4	70.6
Net income (less loss)	60.1	.7	.7	.3	(−Z)	−.2	.2	−.1
Mining:								
Returns (1,000)	14	14	26	33	37	37	41	41
Assets	24.0	64.5	126.9	168.9	192.4	194.4	209.0	240.8
Liabilities [1]	10.6	31.7	72.9	98.4	112.5	108.8	114.7	136.0
Receipts	17.7	65.9	176.7	200.2	203.1	132.4	123.5	142.0
Deductions	15.9	42.3	169.1	195.0	203.0	134.3	124.6	145.4
Net income (less loss)	1.8	23.6	7.8	5.6	.5	−1.6	−.4	−2.5
Construction:								
Returns (1,000)	139	191	272	276	282	284	307	318
Assets	42.7	76.7	132.9	150.8	153.1	161.4	195.3	215.3
Liabilities [1]	30.9	57.7	100.1	113.7	114.2	119.8	144.9	160.6
Receipts	90.6	147.0	267.2	280.2	281.7	290.8	338.6	387.2
Deductions	89.1	144.7	262.1	276.7	279.6	288.6	335.7	382.8
Net income (less loss)	1.5	2.2	5.3	3.5	2.3	2.3	2.9	4.4
Manufacturing:								
Returns (1,000)	198	217	243	251	259	262	272	277
Assets	612.9	944.6	1,709.5	1,933.7	2,060.7	2,233.0	2,417.6	2,644.4
Liabilities [1]	304.0	562.0	980.3	1,085.5	1,163.8	1,279.9	1,392.6	1,544.7
Receipts	723.0	1,296.4	2,404.3	2,613.5	2,486.3	2,552.8	2,768.2	2,831.1
Deductions	692.5	1,230.7	2,280.6	2,509.1	2,423.3	2,469.3	2,661.2	2,733.1
Net income (less loss)	31.8	68.4	125.7	116.8	75.8	95.3	121.2	113.8
Transportation and public utilities:								
Returns (1,000)	67	81	111	109	115	123	126	138
Assets	287.7	443.2	758.4	837.3	919.9	998.9	1,084.9	1,246.4
Liabilities [1]	166.5	266.8	467.7	516.4	567.0	604.6	660.9	755.9
Receipts	135.5	243.5	523.8	598.5	632.3	657.4	725.6	772.4
Deductions	127.9	233.4	504.0	579.2	614.4	638.2	697.2	747.8
Net income (less loss)	7.5	10.1	20.0	19.6	18.3	19.5	28.9	25.1
Wholesale and retail trade:								
Returns (1,000)	518	615	800	817	840	852	897	917
Assets	192.2	323.5	646.9	708.1	753.4	804.2	899.0	1,010.0
Liabilities [1]	115.2	260.8	424.6	472.3	501.9	539.0	609.7	723.7
Receipts	522.5	969.9	1,955.5	2,039.6	2,017.7	2,119.4	2,307.6	2,473.9
Deductions	512.9	947.5	1,919.5	2,006.9	1,989.7	2,084.5	2,265.8	2,440.4
Net income (less loss)	9.7	22.5	35.8	33.3	28.4	35.3	42.0	33.1
Finance, insurance, and real estate:								
Returns (1,000)	406	412	493	470	462	460	497	518
Assets	1,401.2	2,322.0	4,022.2	4,486.2	4,987.5	5,487.2	5,939.0	7,029.5
Liabilities [1]	1,204.7	2,052.2	3,491.7	3,830.0	4,220.5	4,670.4	5,037.3	5,867.5
Receipts	177.3	315.8	697.5	877.8	949.9	902.8	1,033.1	1,182.0
Deductions	161.6	298.0	652.6	838.8	915.2	856.7	985.7	1,104.6
Net income (less loss)	12.2	11.7	33.1	26.3	21.8	31.7	32.7	60.7
Services:								
Returns (1,000)	281	436	671	753	820	848	899	939
Assets	61.9	90.5	178.2	213.7	237.9	269.8	307.9	331.0
Liabilities [1]	42.3	63.7	125.3	152.7	170.1	198.1	223.1	241.1
Receipts	69.6	131.4	279.9	346.8	380.8	416.5	490.3	534.6
Deductions	68.4	128.0	271.8	338.8	373.7	410.5	485.0	528.7
Net income (less loss)	1.2	3.4	8.2	8.2	7.2	6.0	5.5	5.9
ANNUAL PERCENT CHANGE								
Receipts:								
Agriculture, forestry, and fishing	17.7	10.5	−2.4	24.9	.5	−9.4	12.6	5.9
Mining	9.3	1.7	33.3	13.3	1.5	−34.8	−6.7	15.0
Construction	8.0	7.2	5.7	4.9	.6	3.2	16.4	14.4
Manufacturing	1.8	(−Z)	11.7	8.7	−4.8	2.6	8.4	2.3
Transportation and public utilities	8.2	9.6	17.5	14.3	5.6	4.0	10.3	6.4
Wholesale and retail	2.8	5.0	11.6	4.3	−1.1	5.0	8.9	7.2
Finance, insurance, and real estate	7.9	4.2	24.3	25.9	8.2	−5.0	14.4	14.4
Services	15.9	13.7	14.2	23.9	9.8	9.4	17.7	9.0

Z Less than half the measure. [1] Liabilities does not include net worth.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporations Income Tax Returns*, annual.

NO. 856. ACTIVE CORPORATIONS—INCOME TAX RETURNS, BY ASSET SIZE-CLASS, AND BY INDUSTRY, 1985

[**In millions of dollars, except returns.** Excludes corporations not allocable by nature of business. The industrial distribution is based on data collected from companies; see text, section 17. Detail may not add to total because of rounding and the exclusion of data to prevent disclosure of individual taxpayer's identity. See table 854. See also *Historical Statistics, Colonial Times to 1970,* series V 167-183 and V 193-196]

INDUSTRY AND ITEM	Total	ASSET SIZE-CLASS					
		Under 10 mil. dol.[1]	10-24.9 mil. dol.	25-49.9 mil. dol.	50-99.9 mil. dol.	100-249.9 mil. dol.	250 mil. dol. and over
Agriculture, forestry, and fishing: Returns	103,156	102,791	236	75	33	16	5
Assets	52,651	39,483	3,550	2,462	2,245	2,232	2,679
Receipts	70,491	51,160	4,146	2,748	2,923	4,586	4,928
Deductions	70,559	51,521	4,170	2,759	2,917	4,638	4,553
Net income (less loss)	-74	-392	-26	-12	5	54	294
Mining: Returns	41,426	40,392	502	249	130	78	74
Assets	240,816	19,258	7,658	8,841	9,153	13,869	182,037
Receipts	142,039	24,936	5,313	6,038	4,975	9,464	91,314
Deductions	145,390	26,143	5,704	6,404	5,125	9,430	92,586
Net income (less loss)	-2,543	-1,219	-401	-370	-153	26	-427
Construction: Returns	318,276	316,318	1,327	405	140	48	39
Assets	215,296	111,773	19,750	13,751	10,868	7,254	51,903
Receipts	387,233	279,386	29,976	18,932	12,283	9,491	37,166
Deductions	382,823	276,216	29,542	18,847	12,270	9,431	36,517
Net income (less loss)	4,371	3,118	396	30	10	58	760
Manufacturing: Returns	276,545	267,415	4,834	1,883	955	680	784
Assets	2,644,393	176,153	74,373	65,754	70,367	116,531	2,141,194
Receipts	2,831,062	427,657	129,340	101,600	101,521	153,007	1,917,281
Deductions	2,733,105	417,905	125,245	98,203	98,043	147,168	1,846,942
Net income (less loss)	113,759	9,945	4,033	3,385	3,495	6,208	86,705
Transportation and public utilities:							
Returns	138,337	136,517	857	376	142	122	324
Assets	1,246,427	44,615	13,457	13,149	10,124	25,379	1,138,703
Receipts	772,358	109,533	17,630	14,673	10,898	20,876	588,746
Deductions	747,836	109,943	17,393	14,464	10,831	20,423	574,782
Net income (less loss)	25,088	-415	236	207	70	457	24,534
Wholesale and retail trade: Returns	917,301	910,604	4,301	1,256	520	377	344
Assets	1,009,966	351,842	64,491	43,477	36,917	63,343	450,085
Receipts	2,473,865	1,246,444	184,735	111,800	95,724	162,273	672,889
Deductions	2,440,403	1,236,115	181,984	110,225	94,211	159,614	658,255
Net income (less loss)	33,127	10,303	2,730	1,563	1,509	2,675	14,338
Finance, insurance, and real estate:							
Returns	518,432	496,180	7,306	5,546	4,017	2,885	2,495
Assets	7,029,453	187,230	118,925	199,446	261,544	453,010	5,788,298
Receipts	1,162,034	136,414	32,946	35,970	50,139	90,807	835,324
Deductions	1,104,572	132,281	31,753	34,603	47,511	84,828	773,596
Net income (less loss)	60,671	3,335	858	706	1,610	4,409	49,413
Services: Returns	939,390	936,740	1,529	557	264	185	107
Assets	330,983	145,573	23,131	19,623	19,122	28,542	94,992
Receipts	534,586	373,333	27,959	20,900	21,263	24,249	66,864
Deductions	528,686	370,195	27,656	20,604	20,939	23,912	65,378
Net income (less loss)	5,864	3,048	299	291	308	326	1,811

[1] Includes returns with zero assets.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Return,* annual.

NO. 857. WORKING CAPITAL OF NONFINANCIAL CORPORATIONS: 1975 TO 1985

[**In billions of dollars, except ratios.** As of **December 31.** Covers all nonfinancial U.S. corporations]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Current assets	**756.3**	**823.1**	**900.9**	**1,028.1**	**1,200.9**	**1,281.6**	**1,374.5**	**1,425.4**	**1,557.3**	**1,703.0**	**1,778.5**
Cash on hand and in banks[1]	80.0	86.8	94.3	103.7	116.1	121.0	126.6	144.1	165.8	173.6	189.0
U.S. Government securities	19.6	26.0	18.7	17.8	15.6	17.3	19.2	22.4	30.6	36.2	32.3
Receivables, total[2]	272.1	292.4	325.0	381.9	456.8	491.2	528.0	511.0	577.8	633.1	671.2
Inventories	314.7	341.4	375.6	428.3	501.7	525.4	560.2	575.2	599.3	656.9	665.8
Other current assets	69.9	76.4	87.3	96.3	110.7	126.7	140.5	172.7	183.7	203.2	220.2
Current liabilities	**446.9**	**487.5**	**546.8**	**661.9**	**809.1**	**877.2**	**923.2**	**977.8**	**1,043.0**	**1,163.6**	**1,232.7**
Payables	261.2	273.2	313.7	375.1	456.3	498.3	520.4	552.8	577.9	647.8	683.1
Other current liabilities	185.7	214.2	233.1	286.8	352.8	378.9	402.9	425.0	465.1	515.8	548.7
Net working capital	**309.5**	**335.6**	**354.1**	**366.2**	**391.8**	**404.4**	**451.3**	**447.6**	**514.3**	**539.5**	**545.7**
Liquidity ratio[3]	.379	.388	.366	.329	.300	.302	.310	.347	.365	.355	.359
Current ratio[4]	1.693	1.688	1.648	1.555	1.484	1.461	1.489	1.458	1.493	1.464	1.443

[1] Includes time certificates of deposits. [2] Includes U.S. Government receivables. [3] Cash plus U.S. Government securities plus "other current assets," divided by "current liabilities." [4] "Current assets" divided by "current liabilities."

Source: Through 1981, U.S. Federal Trade Commission, thereafter, U.S. Bureau of the Census. Published quarterly in Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin.*

No. 858. ESTABLISHMENTS, EMPLOYEES, AND PAYROLL, BY INDUSTRY: 1975 TO 1986

[See headnote, table 859]

INDUSTRY	ESTABLISHMENTS (1,000)				EMPLOYEES (1,000)				PAYROLL (bil. dol.)			
	1975	1980	1985	1986	1975	1980	1985	1986	1975	1980	1985	1986
All industries [1]	**4,114**	**4,543**	**5,701**	**5,807**	**60,519**	**74,844**	**81,111**	**83,380**	**596**	**1,035**	**1,514**	**1,609**
Agricultural services [2]	40	46	64	68	195	290	380	412	2	3	5	6
Mining	24	30	37	35	720	994	943	847	10	22	28	24
Contract construction	364	416	476	492	3,322	4,473	4,480	4,659	44	75	98	104
Manufacturing	306	319	358	355	18,372	21,165	19,429	19,142	213	355	458	468
Transportation [3]	147	168	203	210	3,908	4,623	4,809	4,884	51	88	123	128
Wholesale trade	350	385	438	440	4,332	5,211	5,624	5,725	52	89	130	138
Retail trade	1,190	1,223	1,407	1,441	12,271	15,047	16,852	17,550	76	124	179	193
Finance and insurance [4]	372	421	488	504	4,247	5,295	6,004	6,371	42	77	132	151
Services	1,118	1,276	1,712	1,811	12,655	17,186	21,549	22,878	102	197	346	381

[1] Includes nonclassifiable establishments, not shown separately. [2] Includes forestry and fisheries. [3] Includes other public utilities. [4] Includes real estate.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 859. ESTABLISHMENTS, EMPLOYEES, AND PAYROLL, BY EMPLOYMENT-SIZE CLASS AND INDUSTRY: 1986

[Excludes government employees, railroad employees, self-employed persons, etc. See "General Explanation" in source for definitions and statement on reliability of data. An establishment is a single physical location where business is conducted or where services or industrial operations are performed]

EMPLOYMENT SIZE-CLASS	Unit	All industries [1]	Agricultural services [2]	Mining	Contract construction	Manufacturing	Transportation [3]	Wholesale trade	Retail trade	Finance and insurance [4]	Services
Establishments, total	**1,000**	**5,807**	**68**	**35**	**492**	**355**	**210**	**440**	**1,441**	**504**	**1,811**
Under 20 employees	1,000	5,082	65	28	445	230	170	374	1,237	450	1,639
20 to 99 employees	1,000	605	3	6	42	88	32	59	184	45	139
100 to 499 employees	1,000	107	(Z)	1	5	32	7	6	19	7	29
500 to 999 employees	1,000	8	(Z)	(Z)	(Z)	4	1	(Z)	1	1	3
1,000 or more employees	1,000	5	(Z)	(Z)	(Z)	2	(Z)	(Z)	(Z)	(Z)	2
Employees, total	**1,000**	**83,380**	**412**	**847**	**4,659**	**19,142**	**4,884**	**5,725**	**17,550**	**6,371**	**22,878**
Under 20 employees	1,000	22,296	235	141	1,877	1,420	823	2,048	6,418	1,836	6,746
20 to 99 employees	1,000	24,311	110	240	1,607	3,900	1,312	2,231	7,321	1,807	5,621
100 to 499 employees	1,000	20,260	52	278	797	6,525	1,352	1,108	3,230	1,418	5,499
500 to 999 employees	1,000	5,780	10	103	142	2,409	418	190	346	427	1,735
1,000 or more employees	1,000	10,734	4	65	236	4,868	980	147	235	882	3,277
Annual payroll	**Bil. dol**	**1,609**	**5.8**	**24.5**	**104.5**	**467.8**	**127.7**	**138.2**	**193.0**	**151.0**	**381.4**
Under 20 employees	Bil. dol	375	3.4	3.3	37.0	27.8	16.3	45.5	68.0	38.5	121.8
20 to 99 employees	Bil. dol	414	1.5	6.1	37.3	79.4	30.1	53.0	78.4	42.0	86.8
100 to 499 employees	Bil. dol	391	.7	8.7	20.3	142.3	35.8	29.3	38.4	34.5	80.7
500 to 999 employees	Bil. dol	132	(Z)	3.6	3.7	59.9	13.0	5.8	5.6	11.0	29.5
1,000 or more employees	Bil. dol	298	(Z)	2.8	6.2	158.5	32.4	4.7	5.0	25.3	62.6

Z Less than 500 establishments or $500 million. [1] Includes nonclassifiable establishments not shown separately. [2] Includes forestry and fisheries. [3] Includes other public utilities. [4] Includes real estate.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 860. EMPLOYEES AND PAYROLL, BY EMPLOYMENT-SIZE CLASS: 1975 TO 1986

[See headnote, table 859]

EMPLOYMENT-SIZE CLASS	Unit	1975	1979	1980	1981	1982	1983	1984	1985	1986
Employees, total [1]	**1,000**	**60,519**	**75,411**	**74,844**	**74,848**	**74,287**	**72,974**	**78,021**	**81,111**	**83,380**
Under 20 employees	1,000	16,393	19,406	19,423	19,515	19,698	20,136	21,171	21,810	22,296
20 to 99 employees	1,000	16,272	20,992	21,168	21,231	21,143	20,806	22,449	23,539	24,311
100 to 499 employees	1,000	13,713	17,527	17,840	17,977	17,444	16,794	18,348	19,410	20,260
500 to 999 employees	1,000	4,872	5,780	5,659	5,497	5,436	5,186	5,614	5,716	5,780
1,000 or more employees	1,000	9,315	10,976	10,716	10,630	10,376	10,050	10,413	10,645	10,734
Annual payroll [1]	**Bil. dol**	**596**	**952**	**1,035**	**1,076**	**1,198**	**1,269**	**1,339**	**1,514**	**1,609**
Under 20 employees	Bil. dol	138	210	231	254	272	298	326	352	375
20 to 99 employees	Bil. dol	147	239	261	288	303	319	358	388	414
100 to 499 employees	Bil. dol	135	224	249	279	286	297	334	362	391
500 to 999 employees	Bil. dol	53	84	91	90	104	107	120	126	132
1,000 or more employees	Bil. dol	123	196	208	220	234	248	269	286	298

[1] Prior to 1986, totals for employees and annual payroll have been revised. Detail may not add to totals because revisions for size class are not available.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 861. Sources of Job Growth, by State: 1980-1986

[**In thousands, except percent change.** Excludes government employment. Covers approximately 93 percent of full-time business activity, generally firms with at least one paid employee, with a Dun and Bradstreet credit rating, or using insurance markets. Based on the Small Business Data Base, USELM file, version 8, 1987, a longitudinally weighted 50 percent sample of SBA's universe U.S. Establishment and Enterprise Microdata (USEEM) files. Minus (−) sign indicates decrease]

DIVISION AND STATE	All jobs, 1986	CHANGE, 1980-1986		JOB CHANGE DUE TO ESTABLISHMENT—			
		Number	Percent	Births	Expansions	Deaths	Contractions
U.S.	**91,247.7**	**10,470.0**	**12.96**	**31,846.5**	**12,684.5**	**−25,205.2**	**−8,855.8**
New England	**5,758.8**	**776.4**	**15.58**	**1,812.8**	**901.7**	**−1,460.7**	**−477.4**
Maine	419.2	32.0	8.26	114.6	70.8	−118.7	−34.7
New Hampshire	416.5	84.8	25.55	147.6	71.0	−98.2	−35.7
Vermont	180.4	25.2	16.27	50.0	26.4	−45.5	−14.7
Massachusetts	2,745.7	354.4	14.82	847.7	451.1	−709.8	−234.6
Rhode Island	404.1	34.9	9.46	115.7	64.6	−113.5	−31.9
Connecticut	1,592.9	245.0	18.18	528.1	217.7	−374.9	−125.9
Middle Atlantic	**14,417.6**	**1,158.5**	**8.74**	**4,575.2**	**2,035.8**	**−4,056.1**	**−1,396.4**
New York	6,872.2	622.0	9.95	2,134.4	1,003.2	−1,903.2	−612.3
New Jersey	3,225.3	453.3	16.36	1,151.1	451.3	−906.1	−243.0
Pennsylvania	4,320.1	83.1	1.96	1,289.7	581.2	−1,246.7	−541.0
East North Central	**16,184.9**	**248.6**	**1.56**	**4,948.3**	**2,028.3**	**−4,580.4**	**−2,147.6**
Ohio	4,267.7	106.1	2.55	1,343.4	513.0	−1,202.2	−548.1
Indiana	2,064.7	−21.7	−1.04	660.8	247.9	−621.7	−308.7
Illinois	4,855.2	85.2	1.79	1,510.2	614.8	−1,342.6	−697.2
Michigan	3,134.3	16.1	.52	916.5	415.2	−933.7	−381.9
Wisconsin	1,863.0	62.6	3.49	517.5	237.4	−480.3	−211.7
West North Central	**6,658.6**	**632.3**	**10.49**	**2,131.6**	**887.4**	**−1,697.6**	**−689.1**
Minnesota	1,728.5	265.4	18.14	551.5	286.7	−399.7	−173.1
Iowa	958.6	−1.0	−.10	294.4	119.9	−277.8	−137.4
Missouri	1,986.5	143.4	7.78	603.5	257.9	−531.2	−186.8
North Dakota	200.6	21.5	12.02	59.2	27.2	−47.7	−17.1
South Dakota	217.7	29.8	15.85	77.7	22.2	−47.0	−23.2
Nebraska	651.8	102.1	18.58	250.5	65.3	−155.8	−57.8
Kansas	915.0	71.0	8.41	294.8	108.1	−238.4	−93.6
South Atlantic	**15,044.8**	**2,717.4**	**22.04**	**5,631.4**	**2,168.1**	**−3,868.4**	**−1,213.7**
Delaware	249.5	72.2	40.75	104.4	38.0	−49.5	−20.7
Maryland	1,623.3	284.0	21.21	594.9	256.3	−434.0	−133.1
District of Columbia	530.0	90.1	20.50	200.7	69.9	−119.6	−60.8
Virginia	2,079.9	384.1	22.65	771.4	292.3	−510.3	−169.3
West Virginia	500.6	−31.3	−5.88	135.7	59.6	−152.2	−74.4
North Carolina	2,307.2	412.3	21.76	750.5	349.9	−513.5	−174.6
South Carolina	1,123.1	135.7	13.74	387.3	135.0	−283.4	−103.3
Georgia	2,461.5	445.3	22.09	906.3	349.4	−638.8	−171.6
Florida	4,160.8	924.9	28.50	1,780.1	617.7	−1,167.1	−305.8
East South Central	**5,037.7**	**467.0**	**10.22**	**1,726.7**	**677.7**	**−1,473.6**	**−463.8**
Kentucky	1,146.5	10.7	.94	359.5	157.7	−378.7	−127.8
Tennessee	1,865.2	254.1	15.77	645.7	261.1	−501.3	−151.4
Alabama	1,241.2	98.4	8.61	443.4	170.7	−390.4	−125.2
Mississippi	784.8	103.8	15.24	278.1	88.2	−203.2	−59.3
West South Central	**10,044.5**	**1,422.4**	**16.50**	**3,968.0**	**1,355.3**	**−2,904.6**	**−996.3**
Arkansas	782.4	61.9	8.60	242.4	102.6	−208.1	−74.9
Louisiana	1,542.1	163.8	11.89	561.5	228.2	−464.7	−161.2
Oklahoma	1,088.6	55.7	5.40	399.4	132.3	−354.7	−121.3
Texas	6,631.4	1,140.9	20.78	2,764.7	892.2	−1,877.2	−638.8
Mountain	**4,615.3**	**831.7**	**21.98**	**1,902.1**	**652.9**	**−1,357.1**	**−366.2**
Montana	241.5	5.2	2.20	81.5	31.9	−86.1	−22.2
Idaho	303.8	30.3	11.08	112.0	33.7	−89.0	−26.3
Wyoming	164.7	−13.8	−7.73	64.1	17.4	−71.4	−23.9
Colorado	1,437.2	304.4	26.87	575.4	211.4	−376.8	−105.5
New Mexico	424.8	28.6	7.21	158.8	54.3	−146.8	−37.7
Arizona	1,033.1	304.4	41.78	470.4	154.9	−253.7	−67.2
Utah	605.3	105.9	21.20	275.6	84.8	−196.4	−58.1
Nevada	404.9	66.7	19.71	164.2	64.5	−136.8	−25.3
Pacific	**13,485.6**	**2,215.8**	**19.66**	**5,150.3**	**1,977.5**	**−3,806.6**	**−1,105.3**
Washington	1,463.7	173.8	13.47	557.7	188.0	−413.3	−158.7
Oregon	1,000.2	81.7	8.90	356.8	128.9	−287.3	−116.5
California	10,442.5	1,864.0	21.73	4,020.6	1,577.5	−2,957.4	−776.8
Alaska	167.1	60.7	57.07	77.4	31.8	−37.7	−10.8
Hawaii	412.2	35.6	9.46	137.8	51.3	−110.9	−42.5

Source: U.S. Small Business Administration, Office of Advocacy, unpublished data.

No. 862. CONSUMER AND FARMER COOPERATIVES, BY TYPE OF ASSOCIATION: 1981 TO 1986

[**Members in thousands; business in millions of dollars.** Business refers to loans outstanding]

TYPE OF ASSOCIATION	1981			1985			1986		
	Associations	Members	Business	Associations	Members	Business	Associations	Members	Business
Credit unions [1]	20,697	45,069	50,394	15,045	45,265	74,409	14,693	46,406	86,139
Electric power cooperatives [2]	869	9,028	7,440	888	10,032	11,032	862	10,251	11,408
Rural telephone cooperatives [3]	254	962	391	250	1,047	607	250	1,062	639
Farmer cooperatives selling producer and consumer goods [4]	5,009	(NA)	17,059	4,288	(NA)	16,641	4,151	(NA)	15,095

NA Not available. [1] Beginning 1985, covers federally insured credit unions. Source: National Credit Union Administration, *Annual Report of the National Credit Union Administration.* [2] Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Electric Borrowers.* [3] Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Telephone Borrowers.* [4] Data for fiscal years ending June 30 or earlier in years shown.

Source: Except as noted, U.S. Dept. of Agriculture, Agricultural Cooperative Service, unpublished data.

No. 863. INDUSTRIAL AND COMMERCIAL STARTS AND FAILURES—NUMBER AND LIABILITIES: 1970 TO 1987

[Excludes Hawaii prior to 1975, Alaska prior to 1976. Commercial and industrial failures only through 1983, excluding failures of banks, railroads, real estate, insurance, holding, and financial companies, steamship lines, travel agencies, etc. Data for 1984-87 based on expanded coverage and new methodology and are therefore not generally comparable with earlier data. See also *Historical Statistics, Colonial Times to 1970,* series V 20-30]

YEAR	Total concerns in business [1] (1,000)	Index of net business formations [2] (1967 = 100)	New incorporations [2] (1,000)	FAILURES [3]		
				Number	Rate per 10,000 concerns	Current liabilities [4] (mil. dol.)
1970	2,442	108.8	264	10,748	44	1,888
1975	2,679	109.9	326	11,432	43	4,380
1980	2,780	129.9	534	11,742	42	4,635
1981	2,745	124.8	581	16,794	61	6,955
1982	2,806	116.4	567	24,908	88	15,611
1983	2,851	117.5	600	31,334	110	16,073
1984	4,885	121.3	635	52,078	107	29,269
1985	4,990	120.9	662	57,078	115	36,937
1986	5,119	120.4	703	61,616	120	44,724
1987, prel.	6,004	120.9	685	61,209	102	36,337

[1] Data through 1983 represent number of names listed in July issue of *Dun & Bradstreet Reference Book.* Data for 1984-87 represent the number of establishments listed in the Dun's Census of American Business. The base has been changed due to expanded business failure coverage. [2] Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest,* January, 1988 and June issues. [3] Includes concerns discontinued following assignment, voluntary or involuntary petition in bankruptcy, attachment, execution, foreclosure, etc.; voluntary withdrawals from business with known loss to creditors; also enterprises involved in court action, such as receivership and reorganization or arrangement which may or may not lead to discontinuance; and businesses making voluntary compromise with creditors out of court. [4] Liabilities exclude long-term publicly held obligations; offsetting assets are not taken into account.

Source: Except as noted, Dun & Bradstreet Corporation, New York, NY, *The Failure Record Through 1987* and *Monthly Failure Report.*

No. 864. NEW BUSINESS INCORPORATIONS AND NUMBER OF FAILURES, BY STATE: 1986 AND 1987

[1987 preliminary. **Business incorporations in thousands.** See headnote, table 863]

DIVISION AND STATE	NEW BUSINESS INCORPORATIONS		NUMBER OF FAILURES		DIVISION AND STATE	NEW BUSINESS INCORPORATIONS		NUMBER OF FAILURES		DIVISION AND STATE	NEW BUSINESS INCORPORATIONS		NUMBER OF FAILURES	
	1986	1987	1986	1987		1986	1987	1986	1987		1986	1987	1986	1987
U.S.	**702.7**	**684.6**	**61,616**	**61,209**	**W.N.C.-Con.**									
N.E.	**41.9**	**42.0**	**1,109**	**1,033**	MO	11.2	10.3	1,633	1,566	**W.S.C**	**63.9**	**57.9**	**12,752**	**12,788**
ME	3.0	3.2	59	59	ND	.9	1.0	101	108	AR	5.8	5.7	377	437
NH	3.9	3.7	56	134	SD	1.0	1.0	152	276	LA	11.7	10.1	1,826	1,818
VT	1.8	2.0	29	48	NE	2.6	2.6	369	681	OK	7.6	7.6	2,869	2,142
MA	17.3	17.2	725	646	KS	4.4	4.3	1,690	988	TX	38.8	34.6	7,680	8,391
RI	3.5	3.7	38	35	**S.A**	**182.7**	**186.1**	**6,290**	**6,985**	**Mt**	**48.6**	**46.4**	**5,920**	**5,903**
CT	12.5	12.1	202	111	DE	31.2	31.4	46	31	MT	1.6	1.4	184	327
M.A	**130.2**	**129.6**	**3,997**	**4,024**	MD	16.0	16.4	461	490	ID	1.8	1.7	313	443
NY	76.9	76.3	1,513	1,717	DC	2.3	2.3	67	64	WY	1.0	.8	282	276
NJ	33.1	31.9	911	764	VA	16.7	17.2	692	865	CO	15.9	14.5	3,274	2,910
PA	20.2	21.4	1,573	1,543	WV	2.6	2.8	228	235	NM	2.5	2.4	271	227
E.N.C	**85.4**	**83.6**	**9,671**	**9,600**	NC	12.7	12.3	582	585	AZ	12.5	11.9	668	824
OH	18.4	18.4	2,082	1,924	SC	6.2	6.3	264	278	UT	3.9	3.8	566	611
IN	10.7	10.4	1,094	1,307	GA	17.6	18.1	617	1,230	NV	9.5	9.9	362	285
IL	27.0	26.8	3,308	3,307	FL	77.6	79.4	3,333	3,207	**Pac**	**89.0**	**80.4**	**13,603**	**12,467**
MI	22.9	21.6	1,620	1,819	**E.S.C**	**27.0**	**26.3**	**3,016**	**3,195**	WA	9.9	9.4	1,787	1,295
WI	6.5	6.2	1,567	1,243	KY	7.7	6.7	959	965	OR	7.3	6.9	1,002	713
W.N.C	**34.0**	**32.3**	**5,258**	**5,214**	TN	9.3	9.1	1,180	1,139	CA	67.2	59.7	10,243	9,972
MN	9.7	9.4	639	685	AL	6.8	6.7	376	495	AK	1.7	1.5	288	312
IA	4.2	3.8	674	910	MS	3.1	3.8	501	596	HI	2.9	2.9	283	175

Source: Dun & Bradstreet Corporation, New York, NY, *New Business Incorporations* and *Business Failure Record.*

No. 865. Business Starts and Failures—Number and Rate by Industry: 1985 to 1987

[Minus sign (–) indicates decrease]

SIC[1] code	INDUSTRY	BUSINESS STARTS				BUSINESS FAILURES			
		Number			Percent change, 1986–1987	Number			Percent change, 1986–1987
		1985	1986	1987		1985	1986	1987	
A	Agriculture, forestry, fishing	3,558	3,818	3,736	–2.1	2,699	2,649	3,767	42.2
B	Mining	2,289	1,739	1,540	–11.4	796	921	622	–32.5
10	Metal mining	65	54	72	33.3	36	26	24	–7.7
11	Anthracite mining	7	11	13	18.2	5	4	3	–25.0
121	Bituminous coal and lignite	258	271	201	–25.8	161	135	100	–25.9
138	Oil and gas extraction	1,862	1,295	1,169	–9.7	565	731	466	–36.3
14	Nonmetallic minerals	97	108	85	–21.3	29	25	29	16.0
C	Construction	34,417	33,079	31,246	–5.5	7,005	7,109	6,735	–5.3
15	General building contractors	13,324	13,039	12,557	–3.7	2,759	2,634	2,495	–5.3
16	Construction, other than bldg	1,822	1,555	1,330	–14.5	419	449	396	–11.8
17	Special trade contractors	19,271	18,485	17,359	–6.1	3,827	4,026	3,844	–4.5
D	Manufacturing[2]	21,054	20,309	19,236	–5.3	4,869	4,772	4,313	–9.6
20	Food and kindred products	904	962	969	.7	261	239	194	–18.0
22	Textile mill products	572	583	558	–4.3	110	72	75	4.2
23	Apparel, other textile products	1,674	1,470	1,413	–3.9	338	287	260	–9.4
24	Lumber and wood products	1,366	1,365	1,192	–12.7	415	392	375	–4.3
25	Furniture and fixtures	883	880	760	–13.6	236	244	204	–16.4
26	Paper and allied products	269	283	294	3.9	55	46	63	37.0
27	Printing and publishing	3,625	3,245	3,292	1.4	659	606	634	4.6
28	Chemicals and allied products	697	717	674	–6.0	172	129	123	–4.7
30	Rubber and misc. products	770	751	700	–6.8	157	145	149	2.8
31	Leather and leather products	155	145	138	–4.8	47	48	33	–31.3
32	Stone, clay, and glass products	615	612	617	.8	159	164	159	–3.0
33	Primary metal products	355	401	378	–5.7	122	133	113	–15.0
34	Fabricated metal products	1,711	1,554	1,449	–6.8	484	528	470	–11.0
35	Machinery, exc. electric	2,865	2,839	2,540	–10.5	721	739	638	–13.7
36	Electric and electronic equipment	1,526	1,415	1,280	–9.5	329	332	267	–19.6
37	Transportation equipment	803	709	676	–4.7	197	226	182	–19.5
38	Instruments and related products	781	821	750	–8.6	110	140	109	–22.1
39	Miscellaneous	1,343	1,445	1,447	.1	271	267	243	–9.0
E	Transportation, public utilities	8,672	8,496	8,060	–5.1	2,536	2,565	2,249	–12.3
40	Railroad transportation	13	32	34	6.3	9	7	6	–14.3
41	Local passenger transit[3]	654	546	577	5.7	148	145	119	–17.9
42	Trucking and warehousing	3,954	3,598	3,358	–6.7	1,617	1,622	1,423	–12.3
44	Water transportation	378	440	374	–15.0	105	112	101	–9.8
45	Air transportation	458	418	394	–5.7	104	92	94	2.2
46	Pipelines, except natural gas	10	7	13	85.7	-	-	3	(NS)
47	Transportation services	1,950	2,123	1,952	–8.1	322	374	313	–16.3
48	Communications	929	967	896	–7.3	173	152	140	–7.9
49	Electric, gas, sanitary services	326	363	459	26.4	58	61	50	–18.0
F	Wholesale trade	26,707	26,749	24,136	–9.8	4,836	4,869	4,321	–11.3
G	Retail trade	72,578	72,509	65,381	–9.8	13,494	13,620	12,242	–10.1
H	Finance, insurance, real estate[2]	15,710	17,146	16,160	–5.8	2,676	2,797	2,547	–8.9
60	Banking	524	474	407	–14.1	139	157	208	–32.5
62	Security, commodity brokers	1,103	1,176	1,149	–2.3	177	160	136	–15.0
63	Insurance agents, brokers, and services	1,304	1,327	1,535	15.7	259	333	293	–12.0
65	Real estate	10,050	11,185	10,459	–6.5	1,638	1,658	1,528	–7.8
I	Services[2]	57,702	59,424	54,788	–10.8	16,649	20,967	23,864	13.8
70	Hotels and other lodgings	1,535	1,731	1,786	3.2	304	314	343	9.2
72	Personal services	6,607	7,165	6,146	–14.2	1,030	1,001	962	–3.9
73	Business services	22,733	24,582	23,701	–3.6	6,132	10,050	10,585	5.3
75	Auto repair, services, and garages	5,997	5,550	5,193	–6.4	1,335	1,464	1,193	–18.5
78,79	Motion pictures, amusement, and recreation	4,554	4,364	3,434	–21.3	654	768	694	–9.6
80	Health services	4,026	4,656	4,298	–7.7	577	701	701	-
81	Legal services	1,296	1,337	1,292	–3.4	191	181	172	–5.0
82	Educational services	674	636	567	–10.8	100	126	127	.8
83	Social services	951	928	783	–15.6	200	196	213	8.7
84	Museums, art galleries, gardens	42	49	54	10.2	5	4	2	–50.0
86	Membership organizations	989	1,281	1,193	–6.9	69	66	54	–18.2

- Represents zero. NS Not significant. [1] Standard Industrial Classification; see text, section 13. [2] Includes ind
not shown separately. [3] Includes interurban.

Source: The Dun and Bradstreet Corporation, New York, NY, *Business Starts Record* and *Business Failure R*

No. 866. BANKRUPTCY PETITIONS FILED, BY TYPE AND CHAPTER: 1975 TO 1987

[For years ending June 30]

ITEM	1975	1979	1980 [1]	1981	1982	1983	1984	1985	1986	1987
Total	**254,484**	**226,476**	**[2] 277,880**	**360,329**	**367,866**	**374,734**	**344,275**	**364,536**	**477,856**	**561,278**
Business	30,130	29,500	36,449	47,415	56,423	69,818	62,170	66,651	76,281	88,278
Non-business	224,354	196,976	241,431	312,914	311,443	304,916	282,105	297,885	401,575	473,000
Voluntary	253,198	225,549	276,691	358,997	366,331	373,064	342,828	362,939	476,214	559,658
Involuntary	1,286	927	1,189	1,332	1,535	1,670	1,447	1,597	1,642	1,620
Chapter 7 [3]	209,330	183,259	214,357	265,721	255,098	251,322	232,994	244,650	332,679	397,551
Chapter 9 [4]	-	1	-	1	4	3	4	3	7	10
Chapter 11 [5]	3,506	3,042	5,302	7,828	14,059	21,207	19,913	21,425	24,443	22,566
Chapter 13 [6]	41,178	39,442	58,216	86,778	98,705	102,201	91,358	98,452	120,726	136,300
Section 304 [7]	(X)	(X)	5	1	-	1	6	6	1	27

- Represents zero. X Not applicable. [1] For the first three months of 1980 the judiciary operated under the Bankruptcy Act and for the last nine months under the new bankruptcy code established by the Bankruptcy Reform Act of 1978. Includes only those petitions filed under the new bankruptcy code. [2] Includes five Section 304 cases filed under the Reform Act in 1980 and 1 in 1981 which are not included in the subcategories of voluntary/involuntary. [3] Chapter 7, liquidation of non-exempt assets of businesses or individuals. [4] Chapter 9, adjustment of debts of a municipality. [5] Chapter 11, individual or business reorganization. [6] Chapter 13, adjustment of debts of an individual with regular income. [7] 11 U.S.C., Section 304, cases ancillary to foreign proceedings.

No. 867. BANKRUPTCY PETITIONS FILED AND PENDING: 1905 TO 1987

[In thousands. For fiscal years ending in year shown; see text, section 9. Covers all U.S. bankruptcy courts. Bankruptcy petitions "Filed" means the commencement of a proceeding through the presentation of a petition to the clerk of the bankruptcy court; "Pending" is a proceeding in which the administration has not been completed]

YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending
1905	17	26	1935	69	65	1965	180	162	1983	375	537
1910	16	28	1940	53	55	1970	194	191	1984	344	576
1915	28	44	1945	13	21	1975	254	202	1985	365	609
1920	14	30	1950	33	38	1980	279	346	1986	478	729
1925	46	60	1955	59	56	1981	360	362	1987	561	809
1930	63	61	1960	110	95	1982	368	461			

Source of tables 866 and 867: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

No. 868. SMALL BUSINESS ADMINISTRATION LOANS TO ALL SMALL BUSINESSES: 1970 TO 1987

[**For fiscal year ending in year shown;** see text, section 9. A small business must be independently owned and operated, must not be dominant in its particular industry, and must meet standards set by the Small Business Administration as to its annual receipts or number of employees. Loans include both direct and guaranteed loans to small business establishments. Does not include Disaster Assistance Loans]

LOANS APPROVED	Unit	1970-1987	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Loans, all businesses	1,000	24.3	31.7	30.2	31.7	28.7	15.4	19.2	21.3	19.3	16.8	17.1
Loans, minority-owned businesses	1,000	5.3	6.1	5.5	6.0	5.2	2.5	2.7	3.1	2.8	2.0	2.1
Percent of all business loans	Percent	22	19	18	19	18	16	14	15	15	12	12
Value of total loans [1]	Mil. dol	2,502	3,314	3,407	3,858	3,668	2,038	3,007	3,450	3,217	3,013	3,232
Value of loans to minority-operated businesses [2]	Mil. dol	314	402	428	470	454	238	295	383	324	265	289

[1] Includes both SBA and bank portions of loans. [2] SBA direct loans and guaranteed portion of bank loans only.

Source: U.S. Small Business Administration, unpublished data.

No. 869. SMALL BUSINESS BIRTH, DEATH, AND NET GROWTH RATES: 1980 TO 1986

[Represents any concern which is independently owned and operated and has fewer than 500 employees. Minus sign (–) indicates decrease]

ITEM	Birth rate [1]	Death rate [2]	Net growth [3]	ITEM	Birth rate [1]	Death rate [2]	Net growth [3]
All industries: 1980–1982	9.5	9.1	.4	Wholesale trade: 1980–1982	9.1	7.5	1.6
1982–1984	10.2	8.9	1.3	1982–1984	9.9	7.5	2.4
1984–1986	9.0	9.9	–.9	1984–1986	8.2	8.6	–.4
Construction: 1980–1982	8.9	9.6	–.7	Retail trade: 1980–1982	8.5	9.6	–1.1
1982–1984	10.8	10.5	.3	1982–1984	8.9	9.5	–.6
1984–1986	9.9	10.8	–.9	1984–1986	8.1	10.4	–2.3
Manufacturing: 1980–1982	8.1	7.3	.8	Services: 1980–1982	11.4	9.3	2.1
1982–1984	8.8	7.1	1.7	1982–1984	11.8	8.7	3.1
1984–1986	7.5	8.0	–.5	1984–1986	10.2	10.0	.2

[1] Business births represent the number of establishments formed during a specified period relative to the number in the initial year. [2] Business deaths represent the disappearance of an establishment or enterprise from the SBDB for financial or nonfinancial reasons relative to the initial year. [3] Net growth rate is the birth rate less the death rate.

Source: U.S. Small Business Administration, Office of Advocacy USELM file, version 9, December 1987. The USELM is a longitudinally weighted 50 percent sample of SBA's universe U.S. Establishment and Enterprise Microdata (USEEM) file.

No. 870. Women-Owned and Minority-Owned Firms—Number and Receipts for Ten Largest SMSA's and Industries by Type of Ownership: 1982

[Represents standard metropolitan statistical areas (SMSA's) established by the Office of Management and Budget, as of January 1, 1982. See Appendix II for newly defined metropolitan statistical areas and definition. The number enclosed within parentheses is the 2 digit Standard Industrial Classification for that industry]

SMSA AND INDUSTRY GROUP	WOMEN-OWNED: Number of firms	WOMEN-OWNED: Receipts (mil. dol.)	SMSA AND INDUSTRY GROUP	BLACK-OWNED: Number of firms	BLACK-OWNED: Receipts (mil. dol.)	SMSA AND INDUSTRY GROUP	HISPANIC-OWNED: Number of firms	HISPANIC-OWNED: Receipts (mil. dol.)	SMSA AND INDUSTRY GROUP	ASIAN- AND OTHER-OWNED: Number of firms	ASIAN- AND OTHER-OWNED: Receipts (mil. dol.)
Los Angeles-Long Beach, CA	117 468	3,789	Los Angeles-Long Beach, CA	23,520	775	Los Angeles-Long Beach, CA	29,992	1,717	Los Angeles-Long Beach, CA	38,331	2,956
New York, NY-NJ	101,223	5,321	New York, NY-NJ	20,242	725	Miami, FL	24,898	2,236	Honolulu, HI	21,676	2,158
Chicago, IL	68,277	2,958	Washington, DC-MD-VA	18,805	556	New York, NY-NJ	12,292	882	San Francisco-Oakland, CA	19,556	1,456
San Francisco-Oakland, CA	64,413	1,940	Chicago, IL	13,660	934	San Antonio, TX	10,341	555	New York, NY-NJ	15,885	916
Dallas-Fort Worth, TX	56,448	1,996	Houston, TX	12,206	328	Houston, TX	9,276	441	Chicago, IL	8,553	491
Washington, DC-MD-VA	51,015	1,305	San Francisco-Oakland, CA	9,368	390	San Francisco-Oakland, CA	7,649	418	Anaheim-Santa Ana-Garden Grove, CA	8,036	441
Houston, TX	48,694	1,710	Detroit, MI	8,731	369	El Paso, TX	5,994	402	San Jose, CA	7,370	393
Philadelphia, PA-NJ	42,630	1,654	Philadelphia, PA-NJ	8,581	354	McAllen-Pharr-Edinburg, TX	5,786	322	Houston, TX	6,563	397
Detroit, MI	40,176	1,300	Dallas-Fort Worth, TX	7,825	210	Anaheim-Santa Ana-Garden Grove, CA	5,317	306	Washington, DC-MD-VA	5,879	289
Denver-Boulder, CO	37,916	1,053	Atlanta, GA	7,077	336	Riverside-San Bernadino-Ontario, CA	5,218	272	San Diego, CA	4,482	216
INDUSTRY			INDUSTRY			INDUSTRY			INDUSTRY		
Eating and drinking places (58)	66,811	6,684	Automotive dealers and service stations (55)	3,448	1,307	Automotive dealers and service stations (55)	3,746	1,309	Food stores (54)	10,281	2,504
Food stores (54)	37,635	6,047	Miscellaneous retail (59)	53,981	993	Wholesale trade—nondurable goods (51)	2,279	1,286	Eating and drinking places (58)	17,028	1,922
Personal services (72)	419,113	5,500	Food stores (54)	9,187	883	Food stores (54)	7,692	1,095	Miscellaneous retail (59)	36,577	1,467
Wholesale trade-nondurable goods (51)	22,231	5,297	Eating and drinking places (58)	11,629	675	Eating and drinking places (58)	10,791	1,076	Health services (80)	20,063	1,446
Automotive dealers and service stations (55)	14,353	4,754	Health services (80)	17,195	595	Special trade contractors (17)	22,017	1,042	Automotive dealers and service stations (55)	2,459	1,004
Real estate (65)	225,551	4,733	Special trade contractors (17)	18,399	578	Health services (80)	8,401	579	Hotels and other lodging places (70)	4,925	643
Health services (80)	128,389	3,989	Personal services (72)	40,394	561	Wholesale trade—durable goods (50)	1,343	531	Wholesale trade—nondurable goods (51)	2,660	638
Wholesale trade—durable goods (50)	12,021	3,893	Wholesale trade—nondurable goods (51)	2,441	550	Trucking and warehousing (42)	9,201	419	Personal services (72)	20,129	498
Special trade contractors (17)	47,219	2,497	Trucking and warehousing (42)	13,029	530	Personal services (72)	22,382	410	Special trade contractors (17)	9,915	490
Apparel and accessory stores (56)	29,130	2,446	Wholesale trade-durable goods (50)	1,210	309	Auto repair, services, and garages (75)	6,873	383	Wholesale trade durable goods (50)	1,574	365

Source: Bureau of the Census, *1982 Survey of Minority-Owned Business Enterprises*, series MB82-1, MB82-2, MB82-3; and *1982 Survey of Women-Owned Businesses*, series WB82-1.

No. 871. Small and Minority-Owned Businesses—Federal Contract Awards, by State: 1986 and 1987

[In millions of dollars, except percent. Excludes Guam and Puerto Rico. Represents contract awards of $10,000 or more. Minus sign (–) indicates decrease]

REGION, DIVISION, AND STATE	TOTAL CONTRACTS AWARDED: 1986	TOTAL CONTRACTS AWARDED: 1987	TOTAL CONTRACTS AWARDED: Percent change 1986-1987	SMALL BUSINESS SHARE: 1986	SMALL BUSINESS SHARE: 1987 Amount	SMALL BUSINESS SHARE: 1987 Percent of total	SMALL BUSINESS SHARE: Percent change 1986-1987	MINORITY-OWNED SHARE: 1986	MINORITY-OWNED SHARE: 1987 Amount	MINORITY-OWNED SHARE: 1987 Percent of total	MINORITY-OWNED SHARE: Percent change 1986-1987
U.S.	**173,326**	**170,024**	**–1.9**	**28,668**	**27,081**	**15.9**	**–5.5**	**4,055**	**4,609**	**2.7**	**13.7**
Region:											
Northeast	36,950	36,411	–1.5	4,781	4,484	12.3	–6.2	423	401	1.1	–5.2
Midwest	29,103	26,812	–7.9	4,886	3,924	14.6	–19.7	552	581	2.2	5.3
South	56,076	56,327	.4	12,618	12,002	21.3	–4.9	2,027	2,363	4.2	16.6
West	51,199	50,475	–1.4	6,382	6,671	13.2	4.5	1,054	1,264	2.5	19.9
New England	**16,805**	**16,716**	**–.5**	**1,496**	**1,557**	**9.3**	**4.1**	**84**	**135**	**.8**	**60.7**
Maine	615	871	41.6	87	81	9.3	–6.9	6	4	.5	–33.3
New Hampshire	494	495	.2	63	92	18.6	46.0	3	3	.6	–
Vermont	142	136	–4.2	14	20	14.7	42.9	–12	–	(X)	(X)
Massachusetts	9,278	9,276	–.2	740	779	8.4	5.3	71	90	1.0	26.8
Rhode Island	444	519	16.9	165	163	31.4	–1.2	3	7	1.3	133.3
Connecticut	5,832	5,418	–7.1	426	421	7.8	–1.2	12	31	.6	158.3
Middle Atlantic	**20,145**	**19,695**	**–2.2**	**3,286**	**2,927**	**14.9**	**–10.9**	**339**	**266**	**1.4**	**–21.5**
New York	11,045	10,895	–1.4	1,337	1,227	11.3	–8.2	151	80	.7	–47.0
New Jersey	3,827	3,833	.2	890	786	20.5	–11.7	91	113	2.9	24.2
Pennsylvania	5,273	4,967	–5.8	1,059	914	18.4	–13.7	97	73	1.5	–24.7
East North Central	**16,253**	**14,345**	**–11.7**	**3,438**	**2,656**	**18.5**	**–22.7**	**367**	**381**	**2.7**	**3.8**
Ohio	6,453	5,696	–11.7	880	798	14.0	–9.3	154	158	2.8	2.6
Indiana	2,607	2,318	–11.1	258	246	10.6	–4.7	28	26	1.1	–7.1
Illinois	2,673	2,924	9.4	679	747	25.5	10.0	146	164	5.6	12.3
Michigan	2,846	2,147	–24.6	654	553	25.8	–15.4	34	23	1.1	–32.4
Wisconsin	1,673	1,258	–24.8	967	311	24.7	–67.8	5	10	.8	100.0
West North Central	**12,850**	**12,467**	**–3.0**	**1,448**	**1,268**	**10.2**	**–12.4**	**185**	**200**	**1.6**	**8.1**
Minnesota	2,614	2,644	1.1	223	178	6.7	–20.2	5	10	.4	100.0
Iowa	776	766	–1.3	105	78	10.2	–25.7	13	17	2.2	30.8
Missouri	6,444	6,819	5.8	409	430	6.3	5.1	40	64	.9	60.0
North Dakota	286	227	–20.6	166	158	69.6	–4.8	84	53	23.3	–36.9
South Dakota	191	138	–27.7	75	65	47.1	–13.3	9	16	11.6	77.8
Nebraska	423	387	–8.5	186	169	43.7	–9.1	8	13	3.4	62.5
Kansas	2,117	1,486	–29.8	283	189	12.7	–33.2	25	27	1.8	8.0
South Atlantic	**30,260**	**33,314**	**10.1**	**6,680**	**7,083**	**21.3**	**6.0**	**1,308**	**1,499**	**4.5**	**14.6**
Delaware	237	223	–5.9	35	43	19.3	22.9	3	2	.9	–33.3
Maryland	6,323	6,794	7.4	1,146	1,253	18.4	9.3	324	387	5.7	19.4
District of Columbia	2,341	2,420	3.4	617	749	31.0	21.4	256	313	12.9	22.3
Virginia	6,790	9,397	38.4	2,096	2,259	24.0	7.8	448	548	5.8	22.3
West Virginia	278	267	–4.0	130	105	39.3	–19.2	14	14	5.2	–
North Carolina	1,433	1,586	10.7	490	566	35.7	15.5	38	40	2.5	5.3
South Carolina	1,730	1,839	6.3	348	363	19.7	4.3	54	48	2.6	–11.1
Georgia	4,054	3,825	–5.6	619	483	12.6	–22.0	74	29	.8	–60.8
Florida	7,074	6,963	–1.6	1,196	1,262	18.1	5.3	96	117	1.7	21.9
East South Central	**9,243**	**8,758**	**–5.2**	**3,034**	**2,300**	**26.3**	**–24.2**	**253**	**412**	**4.7**	**62.8**
Kentucky	2,628	929	–64.6	1,480	410	44.1	–72.3	36	154	16.6	327.8
Tennessee	2,608	3,609	38.4	429	917	25.4	113.8	37	36	1.0	–2.7
Alabama	2,215	2,486	12.2	809	718	28.9	–11.2	151	196	7.9	29.8
Mississippi	1,792	1,733	–3.3	316	255	14.7	–19.3	29	27	1.6	–6.9
West South Central	**16,573**	**14,255**	**–14.0**	**2,905**	**2,619**	**18.4**	**–9.8**	**467**	**452**	**3.2**	**–3.2**
Arkansas	981	838	–14.6	191	266	31.7	39.3	18	15	1.8	–16.7
Louisiana	2,146	2,309	7.6	440	549	23.8	24.8	54	51	2.2	–5.6
Oklahoma	913	755	–17.3	460	358	47.4	–22.2	153	99	13.1	–35.3
Texas	12,532	10,353	–17.4	1,814	1,446	14.0	–20.3	242	286	2.8	18.2
Mountain	**11,692**	**13,837**	**18.3**	**1,535**	**1,798**	**13.0**	**17.1**	**302**	**470**	**3.4**	**55.6**
Montana	132	170	28.8	101	135	79.4	33.7	9	38	22.4	322.2
Idaho	566	563	–.5	82	80	14.2	–2.4	13	14	2.5	7.7
Wyoming	172	122	–29.1	74	93	76.2	25.7	2	5	4.1	150.0
Colorado	2,877	3,696	28.5	332	413	11.2	24.4	66	87	2.4	31.8
New Mexico	2,845	3,018	6.1	236	316	10.5	33.9	53	164	5.4	209.4
Arizona	2,994	3,726	24.4	308	383	10.3	24.4	65	89	2.4	36.9
Utah	1,242	1,603	29.1	300	255	15.9	–15.0	67	50	3.1	–25.4
Nevada	865	939	8.6	103	123	13.1	19.4	28	23	2.4	–17.9
Pacific	**39,507**	**36,638**	**–7.3**	**4,847**	**4,872**	**13.3**	**.5**	**752**	**794**	**2.2**	**5.6**
Washington	3,717	4,479	20.5	487	502	11.2	3.1	72	74	1.7	2.8
Oregon	500	514	2.8	207	203	39.5	–1.9	19	12	2.3	–36.8
California	33,977	30,368	–10.6	3,608	3,584	11.8	–.7	514	528	1.7	2.7
Alaska	708	737	4.1	298	318	43.1	6.7	30	43	5.8	43.3
Hawaii	604	520	–13.9	247	265	51.0	7.3	117	137	26.3	17.1

– Represents zero. X Not applicable.

Source: U.S. Small Business Administration, *The State of Small Business: A Report of the President*, annual. Data from Federal Procurement Data Center, "Special Report T17256," June 1, 1988.

No. 872. Mergers and Acquisitions—Historical Summary: 1965 to 1987

ITEM	Unit	1965	1970	1980	1981	1982	1983	1984	1985	1986
Mergers and acquisitions, net [1]	Number	2,125	5,152	1,889	2,395	2,346	2,533	2,543	3,001	3,336
Dollar value paid	Bil. dol.	(NA)	16.4	44.3	82.6	53.8	73.1	122.2	179.8	173.1
$100 million-plus deals	Number	(NA)	10	94	113	116	138	200	270	346
Method of payment:										
Cash	Percent	67	29	47	42	38	32	43	51	42
Stock	Percent	30	52	31	34	29	35	26	23	32
Combination	Percent	3	16	21	23	31	33	30	26	26
Debt	Percent	([2])	3	1	1	2	-	1	-	-
Divestitures	Number	191	1,401	666	830	875	932	900	1,218	1,259
Acquisitions of publicly traded sellers	Number	(NA)	(NA)	173	168	180	190	211	336	386
Acquisitions of privately held sellers	Number	(NA)	(NA)	988	1,330	1,222	1,316	1,351	1,358	1,598
Foreign sellers, total	Number	(NA)	(NA)	102	101	121	146	147	175	160
Foreign buyers, total	Number	(NA)	(NA)	187	234	154	125	151	197	264
Average P/E paid	Percent	19.4	23.1	15.2	15.6	13.9	16.7	17.2	18.0	22.2
Average premium paid over market	Percent	(NA)	33.4	49.9	48.0	47.4	37.7	37.9	37.1	38.2
Cancelled transactions	Number	(NA)	527	178	163	189	162	218	236	196

- Represents zero. NA Not available. [1] Represents announcement. [2] A separate count for debt payments began 1970.

No. 873. Merger and Acquisition Transactions—Number and Value, by Industry: 1983 to 1987

[Represents transactions for which valuation data are publicly reported]

INDUSTRY CLASSIFICATION OF SELLER	NUMBER OF MERGERS					NOMINAL VALUE (mil. dol.)			
	1983	1984	1985	1986	1987	1983	1984	1985	1986
Total	**2,533**	**2,543**	**3,001**	**3,336**	**2,032**	**73,081**	**122,224**	**179,768**	**173,137**
Oil and gas	111	102	86	58	30	12,076	42,982	23,160	3,247
Banking and finance	331	251	381	415	262	13,628	5,846	14,037	19,442
Insurance	67	66	67	94	38	2,966	3,006	2,694	5,413
Mining and minerals	18	12	16	14	8	2,946	347	356	148
Food processing	74	58	82	101	78	1,164	7,095	11,838	4,707
Conglomerate	13	18	14	20	6	2,745	6,983	16,302	15,307
Transportation	36	36	48	58	34	5,255	1,252	2,877	6,829
Broadcasting	60	83	93	123	64	3,747	1,918	15,013	8,107
Retail	90	130	136	147	150	1,489	6,673	10,030	13,683
Brokerage and investment firms	63	86	49	47	32	1,455	1,460	579	1,710
Other	1,670	1,701	2,029	2,259	1,330	25,609	44,662	82,882	94,544

Source of tables 872 and 873: W.T. Grimm & Co., Chicago, IL, *Mergerstat Review, 1987.* (Copyright.)

No. 874. Patents and Trademarks: 1961 to 1987

[**In thousands.** Calendar year data. Covers patents issued to citizens of the United States and residents of foreign countries. For information on copyrights, see table 917. See also *Historical Statistics, Colonial Times to 1970,* series W 96-108]

ITEM	1961-1970	1971-1980	1980	1981	1982	1983	1984	1985	1986
Patent applications filed	**967.8**	**1,091.5**	**113.0**	**114.5**	**118.4**	**112.4**	**120.6**	**127.1**	**133.0**
Inventions	912.3	1,019.4	104.3	106.4	109.6	103.7	111.3	117.0	122.4
Designs	51.6	65.8	7.8	7.4	8.2	8.1	8.7	9.6	9.9
Botanical plants	1.2	1.7	.2	.2	.2	.3	.3	.2	.3
Reissues	2.7	4.6	.6	.5	.4	.3	.3	.3	.3
Patents issued	**618.3**	**731.0**	**66.2**	**71.0**	**63.3**	**62.0**	**72.7**	**77.2**	**76.9**
Inventions	565.1	687.8	61.8	65.8	57.9	56.9	67.2	71.7	70.9
Individuals	143.3	152.0	13.3	14.1	11.9	10.5	12.3	12.9	13.3
Corporations: U.S	343.1	343.3	29.4	29.5	25.8	25.7	30.1	31.3	29.6
Foreign [1]	83.8	176.4	18.2	21.0	19.2	19.6	23.6	26.4	27.0
U.S. Government	14.9	16.1	1.0	1.1	1.0	1.0	1.2	1.1	1.0
Designs	30.2	38.1	3.9	4.7	4.9	4.6	4.9	5.1	5.5
Botanical plants	1.0	1.6	.1	.2	.2	.2	.2	.2	.2
Reissues	2.1	3.4	.3	.4	.3	.4	.3	.3	.3
Published applications [2]	.6	1.3	(Z)	.1	(Z)	(Z)	(Z)	(Z)	.2
Foreign country residents [3]	124.3	237.3	24.7	26.5	24.0	25.4	30.5	33.9	34.9
Certificates of trademarks issued	**235.1**	**309.0**	**24.7**	**48.6**	**48.4**	**46.8**	**54.0**	**71.7**	**51.8**
Trademarks	196.1	250.6	18.9	42.7	42.4	40.5	48.6	65.8	46.7
Trademark renewals	39.0	58.4	5.9	5.9	6.0	6.2	5.4	5.9	5.1

Z Less than 50. [1] Includes patents to foreign governments. [2] Abstracts of technical disclosure of patent published request of applicant or owner. The practice called "Defensive Publications" began Nov. 1968 and ended July 1986. The cur practice, called "Statutory Invention Registrations," began May 1985. [3] Includes patent inventions and patents for desig botanical plants and reissues. Beginning 1986, also includes published applications.

Source: U.S. Patent and Trademark Office. Fiscal-year figures are published in the *Commissioner of Patents and Tradem Annual Report.*

No. 875. Patents, by Industry: 1970 to 1987

[Includes all patents for inventions granted to residents of the United States, its territories, and foreign citizens. Number of patents by industry may not add to total since a patent may be recorded in more than one industry category]

SIC[1] code	INDUSTRY	1970	1975	1980	1985	1986	1987
(X)	**Total**	**64,429**	**70,002**	**61,819**	**71,661**	**70,860**	**82,952**
(X)	Durable goods:						
32	Stone, clay, glass and concrete products	2,118	2,335	2,106	2,382	2,300	2,553
33, 3462-3	Primary metals	793	1,032	764	783	822	794
34	Fabricated metal products [2]	7,646	8,870	7,429	8,295	8,328	9,748
35	Machinery, except electrical	18,349	20,365	17,056	20,185	19,568	21,907
36, 3825	Electrical and electronic equipment, and supplies	14,333	13,103	11,612	15,295	15,341	19,995
37, 348	Transportation and other public utilities	4,100	5,210	4,047	4,966	4,924	6,047
38	Professional and scientific instruments [3]	8,085	8,930	8,477	10,139	10,567	12,536
(X)	Nondurable goods:						
20	Food and kindred products	508	705	515	576	462	500
22	Textile mill products	717	715	636	800	780	821
28	Chemicals and allied products	9,616	12,909	10,746	11,300	10,123	11,273
13, 29	Petroleum, oil and gas extraction	859	810	783	1,018	849	954
30	Rubber and miscellaneous plastics products	4,728	5,711	4,909	5,897	5,591	6,232
	All other SIC [1] groups	6,260	7,216	6,319	6,684	7,180	8,131

X Not applicable. [1] Standard Industrial Classification. [2] Excludes SIC groups 3462, 3463, 348. [3] Excludes SIC group 3825.

Source: U.S. Patent and Trademark Office, *Patenting Trends in the United States, State Country Report, 1963-1987.*

No. 876. Patents, by State: 1987

[Includes only U.S. patents granted to residents of the United States and territories]

STATE	Total	Inventions	Designs	Botanical plants	Reissue
U.S.	**47,711**	**43,518**	**3,902**	**131**	**160**
AL	303	265	37	-	1
AK	22	20	2	-	-
AZ	716	672	42	-	2
AR	95	71	24	-	-
CA	7,083	6,350	637	69	27
CO	713	640	70	1	2
CT	1,508	1,396	109	-	3
DE	358	344	13	-	1
DC	51	43	8	-	-
FL	1,538	1,366	160	6	6
GA	553	491	59	-	3
HI	46	40	6	-	-
ID	90	85	5	-	-
IL	2,887	2,604	269	-	14
IN	1,054	960	91	1	2
IO	389	357	31	-	1
KS	243	206	36	-	1
KY	278	255	21	-	2
LA	432	408	23	-	1
ME	99	84	13	-	2
MD	764	705	57	-	2
MA	1,926	1,793	123	5	5
MI	2,364	2,211	147	-	6
MN	1,257	1,144	107	-	6
MS	92	77	15	-	-
MO	606	545	58	1	2
MT	87	83	4	-	-
NE	128	120	7	-	1
NV	98	81	16	-	1
NH	249	229	19	-	1
NJ	3,050	2,833	203	2	12
NM	181	175	2	-	4
NY	3,937	3,538	389	1	9
NC	748	659	89	-	-
ND	45	42	3	-	-
OH	2,630	2,379	231	12	8
OK	658	619	35	-	4
OR	585	490	74	21	-
PA	3,029	2,884	136	-	9
RI	125	105	18	-	2
SC	324	289	31	1	3
SD	44	39	5		-
TN	385	347	37	-	1
TX	2,896	2,720	161	6	9
UT	307	274	33	-	-
VT	102	87	14	-	1
VA	625	572	52	-	1
WA	771	698	69	1	3
WV	135	130	5	-	-
WI	1,032	936	90	4	2
WY	50	45	5	-	-
PR	21	11	10	-	-
VI	2	1	1	-	-

- Represents zero.

Source: U.S. Patent and Trademark Office, *Patenting Trends in the United States, State Country Report, 1963-1987.*

No. 877. Gross Stock of Fixed Private Capital, Nonresidential and Residential, by Industry: 1980 to 1987

[In billions of dollars. Estimates as of Dec. 31]

INDUSTRY	CURRENT DOLLARS				CONSTANT (1982) DOLLARS			
	1980	1985	1986	1987	1980	1985	1986	1987
Fixed private capital	**8,942.8**	**12,105.0**	**12,692.9**	**13,511.6**	**9,813.2**	**11,254.4**	**11,601.6**	**11,945.4**
Nonresidential	**4,844.4**	**6,706.4**	**6,993.4**	**7,354.4**	**5,420.0**	**6,348.3**	**6,544.7**	**6,738.5**
Agriculture, forestry and fisheries	**319.2**	**383.6**	**378.7**	**377.5**	**357.4**	**343.7**	**333.7**	**325.0**
Farms	295.2	350.1	344.3	342.1	330.6	312.8	302.4	293.2
Agr. serv., forestry, and fisheries	24.0	33.5	34.4	35.4	26.7	30.9	31.3	31.8
Mining	**358.0**	**448.4**	**420.1**	**420.1**	**441.2**	**548.9**	**541.1**	**530.1**
Metal mining	26.4	35.3	35.3	36.0	30.0	32.0	31.5	31.0
Coal mining	31.7	46.9	46.7	47.3	36.5	43.7	43.1	42.4
Oil and gas extraction	282.5	344.0	316.3	315.2	354.8	452.9	446.9	438.1
Nonmetallic minerals, exc. fuels	17.4	22.3	21.8	21.6	19.9	20.3	19.5	18.6
Construction	**100.3**	**109.4**	**109.9**	**110.8**	**113.1**	**100.5**	**98.8**	**96.7**
Manufacturing	**1,108.1**	**1,497.2**	**1,549.6**	**1,609.3**	**1,236.4**	**1,393.5**	**1,415.7**	**1,435.4**
Durable goods	604.9	821.7	852.6	886.1	674.1	773.3	789.9	805.0
Lumber and wood products	28.8	34.1	34.4	35.1	32.2	30.7	30.2	29.8
Furniture and fixtures	8.9	11.9	12.4	13.2	9.9	10.9	11.1	11.5
Stone, clay, glass products	47.4	55.6	55.9	56.3	52.7	52.5	52.0	51.5
Primary metal industries	141.8	176.2	177.2	179.6	159.1	162.3	159.9	157.8
Fabricated metal products	68.6	91.7	95.6	99.7	76.3	84.9	86.9	88.7
Machinery, exc. electrical	94.9	135.3	140.7	146.2	105.0	134.9	139.3	143.6
Elec. and elec. equipment	70.2	119.5	128.1	138.1	78.8	112.3	118.9	125.5
Motor vehicles and equipment	72.5	91.8	95.8	98.5	80.5	86.0	88.2	88.9
Other transp. equipment	40.3	60.0	64.4	68.9	44.9	55.8	59.1	61.8
Instruments, related products	19.9	30.9	32.8	35.1	22.0	29.3	30.7	32.3
Misc. mfg. industries	11.6	14.7	15.1	15.5	12.9	13.5	13.6	13.5
Nondurable goods	503.2	675.6	697.0	723.2	562.3	620.1	625.8	630.4
Food and kindred products	100.4	134.2	139.2	145.3	112.0	122.1	123.6	125.1
Tobacco manufacturers	5.2	9.5	10.2	11.0	5.9	8.8	9.3	9.7
Textile mill products	33.9	41.4	41.8	42.7	38.0	37.1	36.5	36.1
Apparel; other textile products	11.1	13.4	13.5	13.8	12.4	12.3	12.1	12.0
Paper and allied products	68.5	94.9	99.3	104.5	77.2	87.4	89.6	91.6
Printing and publishing	35.7	51.7	54.9	59.0	39.7	48.2	50.2	52.6
Chemicals, allied products	141.9	183.5	187.8	193.0	158.6	170.0	170.1	169.5
Petroleum and coal products	68.6	98.3	100.0	102.4	76.3	89.6	89.2	88.5
Rubber; misc. plastic products	35.2	45.4	47.0	48.3	39.2	41.8	42.3	42.4
Leather and leather products	2.7	3.2	3.2	3.3	3.0	3.0	2.9	2.9
Transportation and public utilities	**1,464.5**	**1,947.5**	**2,023.6**	**2,107.0**	**1,621.9**	**1,795.5**	**1,836.5**	**1,871.5**
Transportation	501.2	586.2	586.1	592.0	551.1	541.2	536.2	529.7
Railroad transportation	237.6	255.6	248.6	248.4	258.3	232.2	226.4	220.6
Local, interurban pass. transit	9.3	9.6	9.7	9.7	10.2	8.8	8.7	8.5
Trucking and warehousing	75.7	105.0	109.7	112.9	84.7	93.3	95.0	96.0
Water transportation	50.9	65.8	67.0	68.4	57.3	63.9	64.0	63.5
Transportation by air	60.4	74.5	74.6	75.4	69.1	71.6	70.7	69.7
Pipelines, exc. natural gas	34.8	39.1	40.1	40.7	36.8	36.9	36.8	36.8
Transportation services	32.4	36.6	36.4	36.4	34.9	34.5	34.5	34.6
Communication	346.4	552.9	592.4	630.4	392.2	498.0	520.5	540.3
Telephone and telegraph	327.2	522.1	559.6	595.3	370.3	470.6	491.9	510.6
Radio and TV broadcasting	19.2	30.8	32.9	35.1	21.8	27.4	28.7	29.7
Elec., gas, and sanitary services	616.8	808.4	845.0	884.7	678.6	756.3	779.8	801.5
Electric services	467.9	631.9	661.8	695.0	521.0	590.2	611.0	629.7
Gas services	132.2	154.8	160.1	165.0	140.5	145.7	146.9	148.5
Sanitary services	16.7	21.7	23.0	24.7	17.2	20.4	21.8	23.3
Wholesale trade	**152.3**	**247.7**	**272.8**	**298.1**	**167.5**	**243.2**	**267.1**	**291.7**
Retail trade	**258.1**	**401.7**	**433.4**	**471.8**	**285.1**	**360.0**	**379.3**	**400.3**
Finance, insurance, real estate	**716.1**	**1,104.7**	**1,193.9**	**1,297.0**	**789.2**	**1,034.1**	**1,110.7**	**1,191.8**
Banking	78.3	131.6	149.1	168.5	86.3	138.4	159.2	183.4
Credit agencies other than banks	59.9	93.7	102.6	110.7	65.5	95.5	105.2	114.4
Security, commodity brokers, and services	2.9	5.3	6.4	7.4	3.2	6.2	7.9	9.8
Insurance carriers	16.9	31.5	40.8	51.0	18.3	37.9	52.4	69.6
Ins. agents brokers, and services	4.3	5.1	5.3	5.4	4.6	5.6	5.7	5.8
Real estate	546.4	823.3	872.6	934.4	603.3	734.3	759.7	783.6
Holding, other investment companies	7.3	14.2	17.0	19.7	7.9	16.3	20.6	25.1
Services	**367.8**	**566.3**	**611.6**	**662.7**	**408.2**	**526.9**	**561.8**	**596.1**
Hotels, other lodging places	63.2	102.1	111.2	122.0	69.8	90.9	96.7	102.4
Personal services	21.3	26.5	27.2	28.1	23.5	24.1	24.2	24.4
Business services	82.7	134.3	147.0	160.6	92.3	134.5	146.1	158.2
Auto repair; serv., garages	61.5	98.6	107.8	116.7	68.7	90.5	96.5	102.8
Misc. repair services	9.8	13.8	14.5	15.2	11.0	12.7	13.1	13.5
Motion pictures	8.7	11.1	11.7	12.3	9.3	10.8	11.3	11.7
Amusement, recreation services	30.1	41.1	43.1	45.3	33.6	37.8	38.9	40.0
Other services	90.4	138.8	149.2	162.4	100.0	127.5	135.0	143.1
Health services	49.6	85.8	93.2	102.9	55.1	78.4	83.7	89.6
Legal services	6.5	10.0	11.2	12.6	7.1	9.4	10.5	11.8
Educational services	2.3	2.6	2.7	2.9	2.5	3.0	3.3	3.7
Other [1]	32.1	40.5	42.1	44.0	35.3	36.7	37.4	38.1
Residential	**4,098.4**	**5,398.5**	**5,699.5**	**6,157.2**	**4,393.1**	**4,906.1**	**5,056.9**	**5,206.9**
Farms	127.4	145.2	146.3	151.0	137.3	131.7	129.6	128.0
Real estate	3,971.0	5,253.3	5,553.2	6,006.2	4,255.8	4,774.4	4,927.2	5,078.9

[1] Consists of social services, membership organizations, and miscellaneous professional services.

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925-85*, and *Survey of Current Business*, January 1986, and August 1988.

NO. 878. BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT: 1970 TO 1988

[In billions of dollars. Based on sample and subject to sampling variability; see text, section 17. Represents expenditures for new facilities and for expansion or replacement of existing facilities that are chargeable to fixed asset accounts and for which depreciation or amortization accounts are ordinarily maintained. Excludes expenditures for land and mineral rights; maintenance and repair; used plant and equipment, including that purchased or acquired through mergers or acquisitions; assets located in foreign countries; residential structures; etc. They also differ from the nonresidential fixed investment data in type of detail, data sources, coverage, and timing. For further information, see the February 1985 *Survey of Current Business*]

INDUSTRY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988[1]
CURRENT DOLLARS											
All industries[2]	**91.9**	**142.4**	**282.8**	**315.2**	**310.6**	**304.8**	**354.4**	**387.1**	**379.5**	**388.6**	**430.2**
Manufacturing	37.0	53.7	112.3	126.5	120.7	116.2	138.8	153.5	142.7	145.5	163.0
Durable goods[3]	19.8	25.4	55.4	59.8	55.4	53.1	66.2	73.3	69.1	70.9	77.6
Primary metals	3.2	5.4	6.8	7.4	6.9	6.0	7.1	7.8	7.1	8.6	10.3
Fabricated metals	1.2	2.0	3.3	3.6	3.1	2.8	3.4	3.6	4.0	4.0	4.3
Electrical machinery	3.5	3.1	9.8	10.6	11.0	11.4	14.6	15.5	14.2	15.3	18.0
Machinery, except electrical	3.8	4.9	11.4	13.7	13.4	13.5	15.4	16.0	13.6	13.8	14.9
Transportation equipment	4.6	5.5	15.0	15.4	12.6	11.3	16.2	19.5	18.9	16.7	16.4
Stone, clay, and glass	1.1	1.7	4.0	3.4	2.9	2.8	3.1	3.4	3.1	3.4	3.6
Nondurable goods[3]	17.2	28.3	57.0	66.7	65.3	63.1	72.6	80.2	73.6	74.5	85.4
Food and beverage	3.3	4.4	8.2	9.5	8.7	7.8	8.8	10.3	10.6	11.0	12.7
Paper	1.7	2.9	6.5	6.1	5.8	5.9	7.2	8.6	8.8	8.9	11.4
Chemicals	3.4	7.1	11.6	13.1	12.7	13.0	15.3	16.4	16.8	16.4	18.3
Petroleum	5.2	9.1	19.6	26.0	26.4	23.1	25.5	26.7	17.9	16.9	18.7
Rubber	.9	1.2	2.0	2.2	2.2	2.5	3.1	3.9	3.9	3.5	3.9
Mining	2.0	6.1	16.0	21.4	20.0	15.2	16.9	15.9	11.2	11.3	12.4
Public utilities	13.0	20.2	37.7	41.2	45.4	45.0	47.5	48.8	46.4	44.5	47.2
Transportation	7.2	9.9	16.6	15.8	14.8	14.0	16.5	18.0	18.8	18.8	21.2
Wholesale and retail trade	8.8	14.8	28.4	30.2	30.4	37.0	44.9	50.8	55.5	58.1	(NA)
Finance and insurance	3.9	10.0	21.2	26.0	27.2	28.4	33.9	39.4	43.8	48.0	(NA)
Personal and business services[4]	9.6	14.8	25.6	27.2	25.9	25.0	28.7	28.7	28.2	30.0	(NA)
Communication	10.4	12.9	24.9	26.9	26.1	24.0	27.2	32.0	32.9	32.1	(NA)
CONSTANT (1982) DOLLARS[5]											
All industries[2]	**229.9**	**246.1**	**332.7**	**337.1**	**310.6**	**307.0**	**358.0**	**392.5**	**382.4**	**388.8**	**435.2**
Manufacturing	97.2	97.1	133.0	135.6	120.7	119.1	143.6	159.3	147.0	148.6	167.9
Durable goods[3]	48.5	43.8	64.0	63.3	55.4	53.1	66.5	74.6	70.6	72.1	80.4
Primary metals	8.3	9.5	7.9	7.8	6.9	6.0	7.0	7.6	7.0	8.4	(NA)
Fabricated metals	3.0	3.4	3.9	3.8	3.1	2.8	3.4	3.5	3.9	3.9	(NA)
Electrical machinery	8.0	5.1	1.3	11.2	11.0	11.4	14.7	15.9	14.7	15.7	(NA)
Machinery, except electrical	9.1	8.2	13.1	14.4	13.4	13.7	15.9	17.0	14.8	15.1	(NA)
Transportation equipment	11.6	9.7	17.4	16.4	12.6	11.3	16.2	19.6	19.0	16.8	(NA)
Stone, clay, and glass	2.7	2.9	4.6	3.6	2.9	2.7	3.0	3.3	3.0	3.2	(NA)
Nondurable goods[3]	48.7	53.3	69.0	72.3	65.3	66.0	77.1	84.7	76.4	76.5	87.4
Food and beverage	8.2	7.6	9.5	10.1	8.7	7.7	8.5	9.9	10.0	10.2	(NA)
Paper	4.5	5.1	7.6	6.5	5.6	5.9	7.2	8.6	8.8	8.8	(NA)
Chemicals	8.8	12.4	13.6	14.0	12.7	13.1	15.5	16.7	17.0	16.4	(NA)
Petroleum	18.4	20.0	25.4	29.0	25.4	26.0	30.2	31.1	20.9	19.8	(NA)
Rubber	2.3	2.1	2.4	2.3	2.2	2.4	3.0	3.7	3.7	3.3	(NA)
Mining	7.0	13.8	21.4	24.2	20.0	17.5	20.8	19.3	13.5	13.8	14.5
Public utilities	34.6	34.3	43.8	43.6	45.4	43.7	45.4	46.1	43.3	41.1	42.4
Transportation	18.4	17.3	19.3	16.9	14.8	13.6	15.6	16.7	17.1	16.8	18.5
Wholesale and retail trade	20.0	24.4	32.4	31.7	30.4	36.8	44.2	50.2	54.6	56.5	(NA)
Finance and insurance	7.9	14.8	23.6	27.0	27.2	29.0	35.7	44.0	50.6	56.0	(NA)
Personal and business services[4]	23.4	25.3	29.7	28.9	25.9	24.6	27.8	27.8	27.1	28.2	(NA)
Communication	21.4	19.3	29.6	29.3	26.1	22.7	24.9	28.9	29.1	27.6	(NA)

NA Not available. [1] Estimates based on planned capital expenditures as reported by business in April and May 1988. [2] Surveyed quarterly. [3] Includes industries not shown separately. [4] Includes construction. [5] Procedures for preparing constant-dollar estimates are described in the February 1985 *Survey of Current Business*. To estimate real spending plans, BEA adjusts the survey results for assumed price changes.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly.

NO. 879. GROSS PRIVATE DOMESTIC INVESTMENT: 1970 TO 1987

[In billions of dollars]

YEAR	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	Gross private domestic investment				Less: Capital consumption allowances[2]	Equals: Net private domestic investment	Gross private domestic investment				Less: Capital consumption allowances[2]	Equals: Net private domestic investment
	Total[1]	Fixed investment	Nonresidential	Residential			Total[1]	Fixed investment	Nonresidential	Residential		
1970	148.8	145.7	105.2	40.5	88.8	60.0	381.5	373.3	264.0	109.3	229.8	151.8
1975	219.6	225.2	162.9	62.3	161.8	57.8	383.3	396.1	281.2	114.9	287.0	96.3
1980	437.0	445.3	322.8	122.5	303.8	133.1	509.3	516.2	379.2	137.0	356.1	153.2
1981	515.5	491.5	369.2	122.3	347.8	167.7	545.5	521.7	395.2	126.5	369.7	175.8
1982	447.3	471.8	366.7	105.1	383.2	64.1	447.3	471.8	366.7	105.1	383.2	64.1
1983	502.3	509.4	356.9	152.5	396.6	105.7	504.0	510.4	361.2	149.3	394.4	109.6
1984	664.8	597.1	416.0	181.1	415.5	249.4	658.4	596.1	425.2	170.9	407.2	251.2
1985	643.1	631.8	442.9	188.8	437.2	205.9	637.0	627.9	453.5	174.4	426.7	210.3
1986	665.9	650.4	433.9	216.6	455.9	210.0	643.5	628.1	433.1	195.0	443.2	200.3
1987	712.9	673.7	446.8	226.9	480.0	233.0	674.8	640.4	445.1	195.2	460.8	214.0

[1] Includes change in inventories, not shown separately. [2] With capital consumption adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82* and *Survey of Current Business*, July issues.

NO. 880. COMPOSITE INDEXES OF ECONOMIC CYCLICAL INDICATORS: 1978 TO 1987

[1987 figures are preliminary. See source for discussion of composite indexes. Minus sign (–) indicates decrease. **Lea** **indicators** are economic time series that tend to reach their cyclical high and low points earlier than the corresponding p and troughs in the overall economy. **Coincident indicators** are economic time series that tend to reach their cyclical high low points about the same time as the corresponding peaks and troughs in the overall economy. **Lagging indicators** economic time series that tend to reach their cyclical high and low points later than the corresponding peaks and troughs in overall economy]

ITEM	Unit	1978	1979	1980	1981	1982	1983	1984	1985	1986
LEADING INDICATORS										
Composite index [1]	1967=100	**145.8**	**145.1**	**138.2**	**140.9**	**136.8**	**156.0**	**165.3**	**168.6**	**179.3**
Net business formation	1967=100	138.1	138.3	129.9	124.8	116.4	117.5	121.3	120.9	120.4
Building permits [2]	1967=100	145.4	123.6	96.7	80.0	80.7	131.1	134.8	138.1	141.2
Common stock prices, index [3]	1941–43=10	96.0	103.0	118.8	128.0	119.7	160.4	160.5	186.8	236.3
Initial claims, unemployment insurance	1,000	339	379	480	446	578	426	366	383	370
Change in sensitive prices [4] [5]	Percent	1.0	.8	-	–.5	–.7	1.0	–.2	–.5	.2
Change in credit outstanding [6]	Percent	14.5	13.2	6.1	6.7	1.4	8.2	15.8	10.1	6.4
Vendor performance, slower deliveries	Percent	64	63	40	45	37	54	61	45	52
Average workweek, manufacturing [7]	Hours	40.4	40.2	39.7	39.8	38.9	40.1	40.7	40.5	40.7
Change in inventories (1982 dol.) [5]	Bil. dol.	46	18	–15	2	–31	2	49	1	5
Plant and equipment contracts and orders (1982 dol.)	Bil. dol.	381	408	361	352	308	318	366	411	410
New orders, manufacturing, consumer goods and materials (1982 dol.)	Bil. dol.	1,024	1,001	888	886	807	897	962	953	970
Money supply (M2) [8] (1982 dol.)	Bil. dol.	1,982	1,929	1,835	1,819	1,874	2,043	2,113	2,223	2,366
COINCIDENT INDICATORS										
Composite index	1967=100	**144.0**	**150.2**	**144.8**	**146.0**	**136.3**	**139.9**	**154.5**	**160.3**	**164.7**
Industrial production index	1977=100	106.5	110.7	108.6	111.0	103.1	109.2	121.4	123.7	125.1
Employees, nonagricultural payrolls	Million	86.7	89.8	90.4	91.2	89.6	90.2	94.5	97.5	99.6
Personal income less transfer payments (1982 dol.)	Bil. dol.	2,191	2,253	2,233	2,275	2,261	2,301	2,454	2,539	2,640
Sales, mfg. and trade (1982 dol.)	Bil. dol.	4,327	4,455	4,341	4,356	4,183	4,380	4,721	4,864	5,018
LAGGING INDICATORS										
Composite index	1967=100	**114.0**	**122.6**	**124.6**	**122.4**	**124.3**	**115.4**	**124.2**	**135.3**	**141.9**
Labor cost per unit of output, mfg.[9]	Percent	96.0	98.9	102.0	102.9	106.0	100.8	98.6	100.5	100.4
Ratio, consumer installment credit to personal income	Percent	13.4	13.9	13.3	12.1	11.9	12.1	13.2	14.5	15.6
Average prime rate charged by banks	Percent	9.1	12.7	15.3	18.9	14.9	10.8	12.0	9.9	8.3
Average duration of unemployment	Weeks	11.9	10.8	11.9	13.7	15.6	20.0	18.2	15.6	15.0
Ratio inventories to sales, mfg. and trade (1982 dol.)	Ratio	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.5
Commercial and industrial loans outstanding (1982 dol.) [10]	Bil. dol.	207	219	225	233	266	261	296	330	352

- Represents zero. [1] Beginning with data for January 1984, net business formation has been suspended from this in [2] New private housing units authorized. [3] Standard and Poor, 500 stocks. [4] Producer price index of selected crude intermediate materials and spot market price index of raw industrial materials. [5] Weighted 4-term moving average placed at terminal month of the span. [6] Business and consumer borrowing. [7] Production workers. [8] See table 821. [9] Actual as percent of trend. [10] Includes commercial paper issued by nonfinancial companies.

Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, monthly.

NO. 881. BUSINESS CYCLE EXPANSIONS AND CONTRACTIONS—MONTHS OF DURATION: 1919 TO 19

[The lower turning point of a cycle is considered a trough, the upper turning point a peak. Business cycle reference dates ar determined by the National Bureau of Economic Research, Inc.]

BUSINESS CYCLE REFERENCE DATE		Contraction (trough from previous peak)	Expansion (trough to peak)	LENGTH OF CYC
Trough	Peak			Trough from previous trough
March 1919	January 1920	7	10	51
July 1921	May 1923	18	22	28
July 1924	October 1926	14	27	36
November 1927	August 1929	13	21	40
March 1933	May 1937	43	50	64
June 1938	February 1945	13	80	63
October 1945	November 1948	8	37	88
October 1949	July 1953	11	45	48
May 1954	August 1957	10	39	55
April 1958	April 1960	8	24	47
February 1961	December 1969	10	106	34
November 1970	November 1973	11	36	117
March 1975	January 1980	16	58	52
July 1980	July 1981	6	12	64
November 1982	(x)	16	(x)	28
Average, all cycles:				
1919–1945 (6 cycles)		18	35	53
1945–1982 (8 cycles)		11	45	56
Average, peacetime cycles:				
1919–1945 (5 cycles)		20	26	46
1945–1982 (6 cycles)		11	34	46

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, January 1988.

NO. 882. INTERNATIONAL ECONOMIC COMPOSITE INDEXES—AVERAGE ANNUAL PERCENT CHANGE: 1976 TO 1988

[The coincident index changes are for calendar years and the leading index changes are for years ending June 30 because they lead the coincident indexes by about six months, on average. The G-7 countries are United States, Canada, France, West Germany, Italy, United Kingdom and Japan. Average annual percent changes derived from indexes with base 1980 = 100. Minus sign (–) indicates decrease]

COUNTRIES	1976–1977	1977–1978	1978–1979	1979–1980	1980–1981	1981–1982	1982–1983	1983–1984	1984–1985	1985–1986	1986–1987	1987–1988
LEADING INDEX												
Total, 10 countries	5.4	3.0	5.6	1.6	–1.2	–1.1	.9	10.1	2.6	2.8	5.7	8.5
9 countries, excluding U.S	4.6	1.0	6.7	5.8	–2.4	.6	.3	6.1	4.5	2.7	6.7	10.3
G-7 countries	5.4	2.9	5.5	1.5	–1.4	–1.1	.9	10.1	2.6	2.6	5.6	8.4
North America	6.2	5.3	4.6	–3.5	.7	–3.7	1.7	15.6	.6	2.7	4.2	5.8
United States	6.6	5.6	4.1	–4.1	.7	–3.5	1.9	15.8	.3	2.7	4.3	5.7
Canada	1.8	2.9	8.5	3.1	1.0	–6.5	.5	11.8	4.5	3.1	2.7	5.5
4 European countries	3.5	.3	4.0	2.7	–1.5	1.0	1.0	4.2	2.6	2.5	3.2	3.5
France	2.8	–1.9	4.6	3.7	–.6	2.0	.1	3.9	2.7	2.7	5.3	4.3
West Germany	3.4	2.1	5.6	3.0	–3.2	–.9	2.3	6.2	2.4	2.6	1.3	4.8
Italy	2.8	–2.0	3.5	4.4	4.5	–.1	–1.3	2.1	2.3	5.1	3.6	.4
United Kingdom	5.1	2.0	1.8	.5	–4.3	3.5	2.1	3.4	2.4	.5	3.0	2.5
4 Pacific region countries	7.5	1.8	11.5	11.9	–4.6	1.5	–1.0	8.3	7.8	3.0	13.0	20.8
Australia	2.8	–1.1	9.7	5.9	2.0	–4.7	–3.7	9.5	6.8	3.5	3.5	7.2
China: Taiwan	7.0	11.1	11.9	4.8	5.7	5.0	8.1	11.8	6.5	8.1	13.6	14.5
Japan	8.0	1.3	12.0	13.6	–6.0	1.7	–1.6	8.1	8.1	2.3	14.0	23.0
South Korea	10.0	11.5	8.8	–2.5	5.0	6.7	8.1	9.2	4.7	9.7	16.7	12.9
COINCIDENT INDEX												
Total, 10 countries	4.5	5.4	4.4	.2	.5	–2.2	1.8	6.1	3.9	3.2	3.9	(NA)
9 countries, excluding U.S	3.2	3.9	4.9	2.5	.5	.6	1.4	3.7	4.0	3.6	3.9	(NA)
G-7 countries	4.6	5.4	4.4	.1	.3	–2.3	1.9	6.0	3.7	3.0	3.7	(NA)
North America	6.1	7.4	3.5	–2.4	.7	–6.2	2.5	9.7	3.7	2.7	3.9	(NA)
United States	6.3	7.7	3.5	–2.9	.4	–6.3	2.7	9.9	3.6	2.5	3.9	(NA)
Canada	2.5	4.0	5.0	2.0	3.8	–5.0	2.1	6.4	5.2	3.7	4.7	(NA)
4 European countries	2.7	3.3	4.2	1.5	–1.7	–.3	.6	2.1	3.0	3.5	3.4	(NA)
France	2.8	1.6	2.5	1.4	.3	3.0	1.9	.6	1.4	3.5	4.1	(NA)
West Germany	3.0	3.4	4.6	2.6	–.9	–2.5	–.6	2.6	3.7	4.5	2.9	(NA)
Italy	2.1	2.5	4.9	5.2	–1.1	–.3	–.1	2.7	3.1	1.9	1.6	(NA)
United Kingdom	2.5	5.8	5.2	–2.2	–5.7	–1.0	1.6	2.5	4.1	3.0	4.5	(NA)
4 Pacific region countries	4.6	5.0	6.2	4.0	3.6	2.9	2.3	5.9	5.1	3.7	4.7	(NA)
Australia	–.9	1.8	3.7	5.2	5.9	–2.2	–6.9	9.1	7.3	5.1	3.6	(NA)
China: Taiwan	10.6	13.9	9.9	7.5	5.6	2.7	7.1	12.2	4.1	9.6	11.7	(NA)
Japan	4.9	4.6	6.5	4.2	3.1	3.3	2.8	5.1	5.0	2.8	3.9	(NA)
South Korea	11.9	14.7	3.6	–5.0	6.9	5.8	11.1	8.9	5.1	11.7	13.4	(NA)

NA Not available.

Source: Center for International Business Cycle Research, Columbia Business School, New York, NY, *International Economic Indicators*, monthly.

NO. 883. MANUFACTURING AND TRADE—SALES AND INVENTORIES IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1987

[In billions of dollars, except ratios]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS												
Sales, average monthly	**107**	**182**	**261**	**298**	**328**	**357**	**349**	**369**	**409**	**419**	**425**	**453**
Manufacturing	53	87	127	144	154	168	163	171	188	190	189	201
Retail trade	31	49	67	75	80	87	89	98	107	115	120	126
Merchant wholesalers	24	47	67	79	93	102	96	100	113	115	116	127
Inventories [1]	**178**	**289**	**400**	**451**	**494**	**528**	**582**	**574**	**620**	**645**	**657**	**710**
Manufacturing	102	160	211	241	264	283	317	307	326	331	318	334
Retail trade	44	72	103	111	116	127	133	139	157	172	186	211
Merchant wholesalers	32	57	85	99	113	118	130	127	136	143	153	165
Inventory-sales ratio [2]	**1.62**	**1.52**	**1.44**	**1.44**	**1.41**	**1.52**	**1.67**	**1.56**	**1.52**	**1.54**	**1.55**	**1.57**
Manufacturing	1.91	1.77	1.55	1.61	1.61	1.74	1.94	1.80	1.73	1.74	1.68	1.66
Retail trade	1.39	1.38	1.44	1.42	1.40	1.46	1.49	1.42	1.47	1.50	1.55	1.67
Merchant wholesalers	1.30	1.19	1.22	1.16	1.10	1.20	1.35	1.27	1.20	1.24	1.32	1.30
CONSTANT (1982) DOLLARS												
Sales, average monthly [3]	**260**	**306**	**373**	**373**	**372**	**357**	**346**	**383**	**403**	**414**	**432**	**445**
Manufacturing	131	149	183	179	175	167	159	178	186	189	192	201
Retail trade	70	83	97	96	93	91	94	102	108	112	119	119
Merchant wholesalers	60	74	93	98	104	99	93	102	109	113	121	125
Inventories	**428**	**496**	**578**	**589**	**591**	**602**	**582**	**584**	**631**	**638**	**645**	**675**
Manufacturing	248	282	314	325	327	330	315	309	330	321	317	322
Retail trade	97	116	139	137	130	136	133	142	158	169	172	191
Merchant wholesalers	83	99	125	128	134	136	134	133	143	149	155	161
Inventory-sales ratios [4]	**1.64**	**1.62**	**1.55**	**1.58**	**1.59**	**1.68**	**1.68**	**1.53**	**1.56**	**1.54**	**1.49**	**1.52**
Manufacturing	1.90	1.90	1.71	1.81	1.87	1.98	1.99	1.74	1.77	1.70	1.65	1.61
Retail trade	1.39	1.39	1.44	1.42	1.40	1.48	1.41	1.30	1.46	1.51	1.44	1.61
Merchant wholesalers	1.39	1.34	1.34	1.30	1.29	1.37	1.44	1.30	1.31	1.32	1.29	1.29

[1] Book value; seasonally adjusted end-of-year data. See text, section 17. [2] Average inventories to average sales. Average inventories based on weighted averages of end-of-month figures. [3] Average monthly sales for fourth quarter. [4] End of fourth quarter inventories to average monthly sales for fourth quarter.

Source: Current dollars from U.S. Bureau of the Census, *Current Business Reports*, "Manufacturing and Trade Inventories and Sales" April 1988 and unpublished data; constant dollars from U.S. Bureau of Economic Analysis, *Survey of Current Business*, February and September issues, and unpublished data.

NO. 884. MANUFACTURING CORPORATIONS, ASSETS, AND PROFITS, BY ASSET SIZE: 1970 TO 1987

[Corporations and assets as of **end of 4th quarter**; profit for **entire year.** Through 1979, corporations under $10 million based on sample; $10 million and over based on complete canvass, thereafter, under $25 million based on sample and $25 million and over based on complete canvass. For details regarding methodology, see source for first quarter, 1987]

YEAR AND ITEM	Unit	Total	ASSET-SIZE CLASS						
			Under $10 mil.	$10-$25 mil.	$25-$50 mil.	$50-$100 mil.	$100-$250 mil.	$250 mil.-$1 bil.	$1 bil. and over
Corporations:									
1970 [1]	Number	197,807	[2] 195,000	1,202	533	386	289	218	102
1975	Number	(NA)	(NA)	1,750	705	450	392	276	151
1977	Number	(NA)	(NA)	1,793	809	501	409	327	174
1978	Number	(NA)	(NA)	1,780	802	518	408	320	181
1979	Number	(NA)	(NA)	1,918	979	571	470	341	225
1980	Number	(NA)	(NA)	1,777	941	590	491	369	244
1981	Number	(NA)	(NA)	(NA)	845	603	520	376	259
1982	Number	(NA)	(NA)	(NA)	820	642	510	378	275
1983	Number	(NA)	(NA)	872	863	683	559	403	275
1984	Number	(NA)	(NA)	799	872	703	601	420	287
1985	Number	(NA)	(NA)	863	896	744	608	428	281
1986	Number	(NA)	(NA)	914	962	741	628	445	291
1987	Number	(NA)	(NA)	889	1,007	811	676	481	318
Assets:									
1970	Mil. dol	578,234	69,101	20,471	20,138	25,946	47,783	112,475	282,320
1975	Mil. dol	810,910	98,147	31,307	24,720	31,395	62,524	139,113	423,705
1977	Mil. dol	962,996	102,241	35,603	28,595	35,032	63,590	160,107	537,830
1978	Mil. dol	1,086,433	114,006	38,356	30,813	37,429	66,907	164,958	633,963
1979	Mil. dol	1,242,985	124,853	42,007	34,082	40,336	73,172	169,599	758,937
1980	Mil. dol	1,364,474	126,639	43,569	34,930	41,963	75,284	179,959	882,129
1981	Mil. dol	1,560,353	136,915	57,453	39,756	43,924	82,264	188,913	1,011,105
1982	Mil. dol	1,614,018	141,363	55,327	38,333	48,013	78,766	180,047	1,072,169
1983	Mil. dol	1,704,951	149,791	54,506	41,766	52,673	67,391	194,212	1,124,612
1984	Mil. dol	1,853,457	156,671	59,549	49,419	53,517	94,315	206,698	1,233,288
1985	Mil. dol	1,932,766	153,883	64,324	52,669	58,019	96,748	208,403	1,298,720
1986	Mil. dol	1,994,120	[3] 140,864	67,663	55,974	58,233	97,906	217,341	1,356,137
1987	Mil. dol	2,135,266	[3] 147,919	65,623	50,171	60,874	109,458	235,368	1,465,853
Net profit: [4]									
1970	Mil. dol	28,572	2,812	811	836	1,101	2,315	5,862	14,832
1975	Mil. dol	49,135	6,212	1,831	1,327	1,676	3,553	8,165	28,370
1977	Mil. dol	70,366	8,683	2,189	1,867	2,252	4,401	11,206	39,769
1978	Mil. dol	81,165	9,417	2,487	2,264	2,602	4,712	12,311	47,391
1979	Mil. dol	98,698	10,119	2,720	2,347	2,898	5,347	13,412	61,854
1980	Mil. dol	92,443	7,770	2,235	1,904	2,479	4,532	11,485	62,041
1981	Mil. dol	101,302	8,863	3,077	1,944	2,415	4,560	10,087	70,354
1982	Mil. dol	71,028	5,193	2,278	1,196	1,421	2,643	6,892	51,405
1983	Mil. dol	85,834	7,438	2,893	2,149	2,466	3,861	6,134	60,893
1984	Mil. dol	107,648	10,037	3,417	2,527	2,877	4,864	9,278	74,848
1985	Mil. dol	87,647	8,601	2,551	2,305	2,819	3,628	7,312	60,431
1986	Mil. dol	83,122	[3] 6,659	2,988	2,129	2,514	3,884	7,572	57,376
1987	Mil. dol	115,600	[3] 7,273	3,849	2,753	3,338	5,237	9,636	83,514

NA Not available. [1] Source: U.S. Securities and Exchange Commission. [2] Data derived from U.S. Internal Revenue Service, *Statistics of Income,* annual. [3] Excludes estimates for corporations with less than $250,000 in assets at time of sample selection. Prior periods include estimates for corporations in this size category. [4] After taxes.

Source: Except as noted, through 1981, U.S. Federal Trade Commission; thereafter, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations.*

NO. 885. LARGEST INDUSTRIAL CORPORATIONS—SALES, ASSETS, NET INCOME, AND EMPLOYEES, BY SALES GROUP RANK: 1985 TO 1987

[**Sales, assets, and net income in billions of dollars; employees in thousands, except percent.** Excludes large privately owned companies that do not publish sales. Includes service and rental revenues, but companies must derive more than 50 percent of revenues from manufacturing or mining for years ending not later than **Dec. 31 of year stated,** sales exclude excise taxes collected by manufacturer and include discontinued operations]

RANK BY SALES GROUP	SALES			ASSETS [1]			NET INCOME [2]			EMPLOYEES [3]		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
500 largest	**1,807.1**	**1,723.6**	**1,879.5**	**1,519.4**	**1,560.8**	**1,705.7**	**69.6**	**64.1**	**90.6**	**14,065**	**13,362**	**13,144**
Top 100	1,264.1	1,193.7	1,306.9	1,068.6	1,114.7	1,217.2	53.5	48.0	65.7	8,789	8,529	8,333
101-200	265.5	262.4	286.6	224.8	219.6	240.4	7.0	8.4	14.3	2,465	2,302	2,302
201-300	140.7	131.9	142.1	114.0	107.1	123.1	4.9	3.6	5.3	1,390	1,233	1,189
301-400	83.6	82.2	88.2	72.9	75.5	72.8	2.5	2.4	2.3	886	792	787
401-500	53.2	53.5	55.7	39.9	43.9	52.2	1.7	1.7	2.9	525	512	532
Percent of total:												
Top 100	69.9	69.2	69.5	70.3	71.4	71.4	76.9	74.9	72.5	62.5	63.8	63.4
101-200	14.7	15.2	15.2	14.8	14.1	14.1	10.1	13.1	15.8	17.5	17.3	17.5
201-300	7.8	7.6	7.6	7.5	6.9	7.2	7.0	5.6	5.8	9.8	9.2	9.0
301-400	4.6	4.8	4.7	4.8	4.8	4.3	3.6	3.7	2.5	6.3	5.9	6.0
401-500	2.9	3.1	3.0	2.5	2.8	3.1	2.4	2.7	3.2	3.8	3.8	4.0

[1] Total assets employed in business at end of fiscal year, less depreciation and depletion. [2] After taxes, special charges, and credits. [3] As of year end, or yearly average.

Source: Time, Inc., New York, NY, *The Fortune Directories.* (Copyright.)

No. 886. 500 Largest Industrial Corporations—Selected Financial Items: 1970 to 1987

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Sales per employee	$1,000	29.5	50.3	71.1	75.9	91.0	92.2	100.6	106.0	110.7	124.4
Changes in profits	Percent	(NA)	(NA)	(NA)	(NA)	(NA)	12.0	24.9	-19.1	-7.9	41.3
Sales per dollar of stockholder's equity	Dollar	2.4	2.7	3.12	2.97	2.74	2.66	2.78	2.80	2.79	2.77
Return on stockholder's equity	Percent	9.5	11.6	14.1	13.6	10.9	10.7	13.6	11.6	11.6	14.4
Return on sales	Percent	3.9	3.9	4.5	4.3	3.6	3.8	4.5	3.9	4.1	5.1
Total return to investors [1]	Percent	6.5	51.2	21.6	1.4	21.2	30.2	-.8	26.3	16.1	6.6

NA Not available. [1] Includes both price appreciation and dividend yield, i.e., to an investor in the company's stock.

No. 887. 500 Largest Industrial Corporations—Selected Financial Items, by Industry: 1986 and 1987

[Data are medians and are ranked based on sales per employee for latest year shown. See headnote, table 885. Minus sign (-) indicates decrease. For definition of median, see Guide to Tabular Presentation]

INDUSTRY	SALES PER EMPLOYEE ($1,000)		CHANGES IN PROFITS (percent)		SALES PER DOLLAR OF STOCKHOLDER'S EQUITY (dol.)		RETURN ON STOCKHOLDER'S EQUITY (percent)		RETURN ON SALES (percent)		TOTAL RETURN TO INVESTORS [1] (percent)	
	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
Total	**110.7**	**124.4**	(NA)	(NA)	**2.79**	**2.77**	**11.6**	**14.4**	**4.1**	**5.1**	**16.1**	**6.6**
Petroleum refining	409.5	416.5	-45.7	.1	2.93	3.05	5.8	10.2	2.4	3.4	4.0	6.8
Mining, crude-oil production	190.2	248.7	30.7	14.2	1.85	1.86	7.7	7.0	3.8	3.3	-.5	24.5
Soaps, cosmetics	163.0	181.1	22.9	13.6	3.11	3.64	16.7	16.2	5.4	4.9	15.4	6.0
Food	167.3	178.3	14.2	19.5	5.42	5.32	15.8	16.1	2.8	3.5	36.5	3.4
Chemicals	164.4	173.1	25.9	29.4	2.28	2.41	11.8	14.2	5.2	6.0	25.2	8.5
Beverages	151.4	160.6	11.4	11.2	2.26	2.06	18.8	14.0	7.7	7.0	16.4	.2
Metals	134.3	157.1	39.2	53.6	2.52	2.73	5.1	11.1	1.5	4.3	-9.5	50.5
Tobacco	142.2	150.3	8.7	24.6	2.62	2.63	22.1	20.0	7.0	8.3	48.7	19.2
Forest products	131.1	145.6	19.4	59.7	2.30	2.22	11.8	14.7	4.9	6.5	30.9	9.1
Building materials	125.1	140.8	19.5	17.2	2.30	2.14	11.5	13.4	3.6	6.8	15.1	25.2
Transportation equipment [2]	113.2	125.9	-25.0	(NA)	3.45	5.51	5.2	23.1	1.7	3.1	9.3	-1.1
Pharmaceuticals	111.4	123.5	20.3	15.1	1.95	1.97	23.6	22.7	13.1	13.2	27.9	11.7
Rubber products	94.2	107.2	19.6	51.9	3.38	3.48	10.8	13.1	2.3	5.7	38.2	15.7
Metal products	94.9	105.1	10.8	35.3	2.93	2.93	13.3	14.3	4.4	5.4	22.8	12.0
Computers (incl. office equip.)	97.3	105.0	25.6	26.9	1.94	2.17	10.8	14.6	5.5	8.2	16.5	6.3
Publishing, printing	95.1	103.3	10.5	15.6	2.21	2.13	18.7	18.9	8.5	8.4	14.5	8.7
Motor vehicles and parts	105.5	101.9	11.0	20.6	3.48	3.48	10.1	11.6	3.0	3.5	5.2	-7.7
Aerospace	88.7	98.9	-4.3	3.9	4.01	4.21	12.4	11.3	4.1	3.7	.8	-24.5
Industrial and farm equipment	92.1	97.7	18.6	42.4	2.59	2.98	3.7	11.2	1.2	3.3	8.2	10.0
Scientific, photographic equipment	84.7	94.5	4.7	21.9	1.98	1.92	10.3	16.3	4.7	8.3	22.9	.5
Electronics	81.6	85.1	6.1	17.1	2.77	2.46	9.8	14.1	3.4	5.0	6.7	1.4
Furniture	68.9	75.4	-7.2	8.0	3.20	2.61	18.9	15.2	5.8	5.2	17.8	-7.0
Textiles	73.1	71.3	33.1	24.3	3.24	3.26	8.1	12.8	3.0	4.1	36.8	-6.3
Apparel	54.6	52.2	29.7	29.0	3.21	3.14	12.2	14.1	3.3	3.9	21.5	-18.9

NA Not available. [1] Includes both price appreciation and dividend yield, i.e., to an investor in the company's stock. [2] Excludes motor vehicles and aircraft.

Source of tables 886 and 887: Time, Inc., New York, NY, *The Fortune Directories.* (Copyright.)

No. 888. Corporate Profits, Taxes, and Dividends: 1970 to 1987

[**In billions of dollars.** Covers corporations organized for profit. Represents profits to U.S. residents, without deduction of depletion charges and exclusive of capital gains and losses; intercorporate dividends from profits of domestic corporations are eliminated; net receipts of dividends, reinvested earnings of incorporated foreign affiliates, and earnings of unincorporated foreign affiliates are added]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Profits before taxes	76.0	134.8	233.5	257.2	237.1	226.5	169.6	207.6	240.0	224.3	236.4	276.7
Less: Income tax liability [1]	34.4	50.9	83.5	88.0	84.8	81.1	63.1	77.2	93.9	96.4	106.6	133.8
Equals: Profits after taxes	41.7	83.9	150.0	169.2	152.3	145.4	106.5	130.4	146.1	127.8	129.8	142.9
Less: Net dividends [2]	22.5	29.6	44.7	50.1	54.7	63.6	66.9	71.5	79.0	83.3	88.2	95.5
Equals: Undistributed profits	19.2	54.3	105.2	119.1	97.6	81.8	39.6	58.9	67.0	44.6	41.6	47.4
Capital consumption allowances [3]	57.2	90.2	126.3	144.3	164.6	196.3	225.8	259.7	287.2	328.3	336.6	349.2
Profits after tax plus capital consumption allowances [3]	98.9	174.1	276.3	313.5	316.9	341.7	332.3	390.1	433.3	456.1	466.4	492.1

[1] Federal, State and local. [2] Disbursements to U.S. residents, measured after eliminations of intercorporate dividends. [3] Without capital consumption adjustment. Includes depreciation and accidental damages.

Source: U.S. Bureau of Economic Analysis, *The National Income and Products Accounts of the United States, 1929-82,* and *Survey of Current Business,* July issues.

No. 889. Corporate Profits, by Industry: 1980 to 1987

[In billions of dollars. Profits are without inventory valuation and capital consumption adjustments. Minus sign (–) indicates loss. See headnote, table 888]

INDUSTRY	BEFORE TAXES						AFTER TAXES					
	1980	1983	1984	1985	1986	1987	1980	1983	1984	1985	1986	1987
Domestic industries, total	202.7	177.5	209.0	193.1	204.4	240.3	117.9	100.2	115.1	96.7	97.9	108.5
Agriculture [1]	.6	–.2	.1	–.1	–.1	–.1	.2	–.4	–.2	–.4	–.4	–.6
Mining	6.5	–1.8	–1.6	–5.0	–4.7	–1.7	4.7	–2.1	–2.4	–5.2	–4.9	–2.3
Construction	6.5	3.4	4.3	5.7	7.0	7.9	4.4	2.1	3.0	3.9	4.6	4.9
Manufacturing	96.3	74.1	92.1	81.2	75.7	102.9	57.1	42.6	53.7	46.6	39.5	58.2
Transportation	3.7	4.5	6.7	2.8	4.1	5.8	2.1	2.7	4.8	1.0	2.0	2.9
Communications	7.5	9.1	11.7	13.1	17.4	17.5	5.6	7.2	8.1	9.2	13.1	12.1
Public utilities	9.7	14.6	20.1	16.1	13.8	12.8	7.1	10.6	14.6	10.8	7.6	5.1
Wholesale and retail trade	39.0	45.0	52.7	45.1	46.2	50.8	26.8	31.8	37.3	28.2	27.9	27.8
Finance, insurance [2]	22.9	17.4	11.4	20.7	30.5	29.8	3.1	–2.4	–11.4	–8.9	–2.6	–9.5
Services	9.9	11.5	11.3	13.4	14.6	14.7	6.9	8.2	7.7	9.5	10.7	9.7
Rest of world [3]	34.4	30.2	30.9	31.2	31.9	36.4	34.4	30.2	30.9	31.2	31.9	36.4

[1] Includes forestry and fisheries. [2] Includes real estate. [3] Consists of receipts by all U.S. residents, including both corporations and persons, of earnings of unincorporated foreign affiliates, dividends from their incorporated foreign affiliates, and their share of reinvested earnings of their incorporated foreign affiliates, net of corresponding outflows.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82,* and *Survey of Current Business,* July issues.

No. 890. Corporate Profits—Financial and Nonfinancial Industries: 1970 to 1987

[In billions of dollars. Minus sign (-) indicates loss. See headnote, table 888]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Corporate profits with IVA [1] and CCA [2]	74.7	117.6	197.2	200.1	177.2	188.0	150.0	213.7	266.9	282.3	298.9	310.4
Domestic industries	67.8	103.2	175.0	166.4	142.8	159.4	121.9	183.6	236.0	251.2	266.9	274.0
Financial	12.3	11.6	29.1	27.3	19.7	15.2	10.1	18.0	13.6	25.9	36.4	36.5
Nonfinancial	55.4	91.6	146.0	139.1	123.1	144.2	111.9	165.6	222.4	225.3	230.6	237.5
Rest of the world	6.9	14.4	22.2	33.7	34.4	28.5	28.0	30.2	30.9	31.2	31.9	36.4
Corporate profits with IVA [1]	69.5	123.9	208.2	214.1	194.0	202.3	159.2	196.7	234.2	222.6	244.7	258.7
Domestic industries	62.6	109.5	186.0	180.4	159.6	173.8	131.2	166.6	203.3	191.4	212.8	222.3
Financial	12.2	11.2	29.1	27.8	21.0	16.5	11.8	18.1	13.0	22.8	31.8	30.1
Federal Reserve banks	3.6	5.7	7.7	9.6	11.9	14.5	15.4	14.8	16.7	16.8	16.0	16.0
Other	8.6	5.5	21.4	18.2	9.0	1.9	–3.6	3.3	–3.7	6.1	15.8	14.1
Nonfinancial	50.4	98.3	156.8	152.6	138.6	157.3	119.4	148.5	190.3	168.6	180.9	192.1
Manufacturing	26.7	53.6	88.7	87.5	77.1	88.5	58.0	70.1	88.8	79.7	79.4	96.8
Durable goods [3]	10.2	19.8	44.6	37.3	21.3	21.0	2.1	17.2	38.1	28.5	32.4	36.5
Primary metal industries	.8	2.7	3.5	3.6	2.5	3.1	–4.9	–4.9	–.6	–1.4	–.5	1.4
Fabricated metal products	1.1	3.1	4.9	5.2	4.3	4.4	2.4	3.0	4.7	4.6	5.4	5.7
Machinery, except electrical	3.0	4.8	9.6	9.1	7.7	6.8	4.1	3.1	6.2	3.2	3.3	3.2
Electrical and electronic equipment	1.2	2.4	6.7	5.2	4.7	4.1	1.7	3.7	5.5	3.6	3.2	3.2
Motor vehicles and equipment	1.2	2.0	8.9	4.7	–2.5	.1	–.8	5.1	9.0	7.2	7.6	7.3
Nondurable goods [3]	16.5	33.8	44.0	50.2	55.8	67.5	55.9	53.0	50.7	51.2	47.0	60.3
Food and kindred products	3.2	8.8	6.2	5.8	6.1	8.7	7.0	7.2	6.7	8.3	11.2	12.8
Chemicals and allied products	3.9	6.4	8.2	7.2	5.4	8.2	5.2	6.7	8.0	6.2	9.5	13.5
Petroleum and coal products	3.5	9.5	14.7	22.5	31.4	36.5	29.1	21.4	17.2	17.5	7.0	12.2
Transportation and public utilities	8.2	10.3	20.9	15.2	17.6	19.5	19.3	28.5	38.5	33.0	39.2	34.9
Wholesale and retail trade	9.6	22.2	27.3	28.7	21.6	32.5	34.6	38.9	51.2	44.1	46.1	42.8
Other	5.9	12.2	20.0	21.1	22.4	16.6	7.5	10.9	11.8	11.8	16.3	17.6

[1] Inventory valuation adjustment. [2] Capital consumption adjustment. [3] Includes other industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82,* and *Survey of Current Business,* July issues.

No. 891. Corporate Philanthropy as a Percent of Pretax Net Income: 1984 to 1987

[Data are based on a sample of 1,200 corporations. Corporation must have given at least $100,000]

INDUSTRY CLASS	1984	1985	1986	1987	INDUSTRY CLASS	1984	1985	1986	1987
All firms, average	.93	.99	1.50	1.31	**Manufacturing firms, average—Con.**				
Manufacturing firms, average	.90	1.05	2.15	1.73	Pharmaceuticals	1.30	1.23	1.78	1.92
Chemicals	1.03	1.31	1.94	1.52	Primary metal industries	1.24	.56	3.00	(1)
Electrical machinery and equipment	.90	1.33	2.77	3.05	Printing and publishing	1.19	1.22	1.51	1.02
Fabricated metal products	1.26	.94	1.24	[1] 2.11	Rubber, misc. plastic products	.80	1.25	(3)	(3)
Food, beverage and tobacco	1.10	1.10	2.25	1.96	Stone, clay and glass products	1.04	1.89	.98	(1)
Machinery, nonelectrical	.95	1.39	1.79	1.18	Textiles	2.89	4.97	1.37	.32
Mining	.88	1.69	(2)	(2)	Transportation equipment	.88	.99	[3] 1.84	[3] .74
Paper and like products	1.15	1.23	1.05	.89	**Nonmanufacturing firms, average**	1.01	.86	.77	.86
Petroleum and gas	.70	.76	[2] 2.56	[2] 1.36					

[1] Primary metals and stone, clay, and glass firms included with fabricated metal firms. [2] Mining firms included with petroleum firms. [3] Rubber and miscellaneous plastic firms included with transportation firms.

Source: Duffy, Maureen Nevin, *Annual Survey of Corporate Contributions,* The Conference Board, New York, NY. (Copyright)

NO. 892. SELECTED INDUSTRY RATIOS—CORPORATE PROFITS, STOCKHOLDERS' EQUITY, SALES AND DEBT: 1980 TO 1987

[Averages of quarterly figures at annual rates. Beginning 1986, data exclude estimates for corporations with less than $250,000 in assets at time of sample selection. Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc.; for detail, see source. Based on sample; see source for discussion of methodology. Minus sign (–) indicates loss]

INDUSTRY GROUP	RATIO OF PROFITS TO STOCKHOLDERS' EQUITY (percent)				PROFITS PER DOLLAR OF SALES (cents)				RATIO OF STOCKHOLDERS' EQUITY TO DEBT			
	1980	1985	1986	1987	1980	1985	1986	1987	1980	1985	1986	1987
All manufacturing corporations [1]	**13.9**	**10.1**	**9.5**	**12.8**	**4.9**	**3.8**	**3.8**	**4.9**	**2.3**	**1.9**	**1.8**	**1.6**
Durable goods industries	**11.2**	**9.2**	**7.5**	**11.9**	**4.0**	**3.4**	**2.9**	**4.5**	**2.2**	**2.2**	**2.2**	**1.9**
Stone, clay, and glass products	10.8	7.9	10.5	15.4	4.2	3.1	3.9	5.3	1.9	1.7	1.5	1.1
Primary metal industries	11.7	–7.9	–10.0	9.3	4.1	–2.6	–3.0	2.6	1.7	1.2	1.1	1.1
Iron and steel	9.0	–11.0	–36.5	15.7	2.9	–2.6	–7.3	2.7	1.7	.8	.7	.7
Nonferrous metals	15.6	–5.7	4.3	6.1	5.8	–2.5	2.0	2.5	1.8	1.6	1.6	1.5
Fabricated metal products	13.9	9.2	8.7	11.7	4.2	2.8	2.8	3.6	2.1	1.6	1.6	1.5
Machinery, exc. electrical	15.0	9.3	6.0	9.2	6.5	4.7	3.3	4.9	2.2	2.6	2.5	2.3
Electrical and electronic equipment	15.1	8.3	8.9	10.8	5.0	3.4	3.9	4.6	2.6	2.7	2.5	2.3
Transportation equipment	–.6	15.4	12.4	15.5	–.3	4.1	3.6	4.8	2.7	2.9	2.7	2.1
Motor vehicles and equipment	–9.3	18.2	14.4	16.3	–3.4	4.9	4.2	5.3	3.4	4.2	3.2	2.3
Aircraft, guided missiles and parts	16.0	11.1	9.4	14.6	4.3	3.1	2.9	4.2	2.8	2.6	2.8	2.3
Instruments and related products	17.5	10.1	3.1	11.4	9.3	5.7	1.8	6.2	4.3	3.5	3.0	2.5
Nondurable goods industries	**16.4**	**11.0**	**11.5**	**13.7**	**5.6**	**4.1**	**4.6**	**5.2**	**2.3**	**1.7**	**1.5**	**1.4**
Food and kindred products [2]	14.7	15.3	16.2	17.4	3.4	4.1	4.2	4.6	1.9	1.4	1.1	1.1
Tobacco manufactures	19.8	(2)	(2)	(2)	11.7	(2)	(2)	(2)	1.8	(2)	(2)	(2)
Textile mill products	8.5	8.6	13.1	15.0	2.2	2.4	3.7	3.9	2.0	1.5	1.5	1.2
Paper and allied products	12.1	9.7	10.7	14.7	5.1	4.0	4.4	5.8	2.0	1.7	1.6	1.5
Printing and publishing	16.4	19.2	18.6	17.6	5.5	6.5	6.7	6.1	2.1	1.7	1.6	1.4
Chemicals and allied products	15.4	9.4	12.9	15.6	7.1	4.7	6.2	7.4	2.2	2.1	1.7	1.7
Industrial	11.9	4.2	12.5	16.3	5.4	2.2	6.0	7.6	1.9	1.8	1.5	1.4
Drugs	19.9	15.2	23.0	17.6	13.2	9.8	14.6	10.4	3.0	3.2	2.5	2.3
Petroleum and coal products	20.0	8.5	6.1	7.7	7.7	4.0	3.8	4.5	3.4	1.6	1.5	1.6
Rubber and misc. plastics products	6.7	9.5	11.9	21.5	2.0	2.6	3.4	5.2	1.6	1.6	1.5	1.0
Mining corporations, total [3]	**19.2**	**–4.0**	**–16.6**	**–3.8**	**11.3**	**–3.2**	**–14.4**	**–2.8**	**1.3**	**1.0**	**1.0**	**1.0**
Retail trade corporations, total [3]	**13.2**	**12.5**	**12.3**	**12.5**	**1.7**	**2.2**	**2.3**	**2.1**	**1.2**	**1.4**	**1.3**	**1.1**
Wholesale trade corporations, total [3]	**17.3**	**8.7**	**8.4**	**8.4**	**1.8**	**1.0**	**1.1**	**1.0**	**1.2**	**1.0**	**1.0**	**1.0**

[1] Includes other industries not shown separately. [2] Beginning 1985, tobacco included in food and kindred products. [3] Beginning 1985, represents results of companies with assets over $25 million.

Source: 1980, U.S. Federal Trade Commission, thereafter, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations.* In U.S. Council of Economic Advisers, *Economic Report of the President,* annual.

NO. 893. U.S. PARENT COMPANIES AND THEIR FOREIGN AFFILIATES—ASSETS, SALES, EMPLOYMENT, EMPLOYEE COMPENSATION, U.S. EXPORTS AND IMPORTS: 1986

[In millions of dollars, except as indicated]

INDUSTRY [1]	U.S. PARENTS				FOREIGN AFFILIATES					
	Total assets	Sales	Employment (1,000)	Employee compensation	Total assets	Sales	Employment (1,000)	Employee compensation	U.S. exports shipped to foreign affiliates	U.S. imports shipped from foreign affiliates
All industries	**3,813,832**	**2,543,961**	**17,861.0**	**561,826**	**932,225**	**930,764**	**6,262.7**	**117,341**	**71,284**	**65,580**
Petroleum	423,046	289,215	812.5	33,638	174,973	199,797	296.3	9,978	1,900	7,492
Manufacturing	1,408,850	1,261,476	10,384.7	350,767	355,646	450,037	4,175.1	76,228	51,055	51,645
Food and kindred products	148,338	163,009	1,215.5	28,618	28,595	44,536	405.3	5,633	1,087	697
Chemical and allied products	210,419	181,921	1,264.1	44,952	75,638	80,301	571.8	11,161	5,702	2,661
Primary and fabricated metals	84,567	76,812	657.3	22,702	22,119	23,783	271.6	4,565	1,132	1,400
Machinery (except electrical)	157,830	126,368	1,237.9	48,246	56,982	71,204	581.8	13,858	6,738	5,677
Electric and electronic equipment	193,520	159,747	1,559.8	54,547	39,556	46,033	745.7	11,442	7,125	7,963
Transportation equipment	385,804	333,128	2,310.8	89,023	69,456	110,834	751.3	15,509	24,189	28,322
Other	228,371	218,492	2,139.3	62,679	63,301	73,346	847.6	14,060	5,083	4,924
Wholesale trade	66,919	172,654	325.7	8,536	81,200	149,549	483.0	11,892	16,980	4,932
Finance (except banking), insurance, real estate	1,294,805	337,644	1,006.5	38,651	238,260	36,524	147.9	3,647	15	-
Services	91,490	76,252	1,273.7	25,389	25,662	25,488	320.8	6,464	174	24
Other industries	528,721	406,720	4,058.0	104,846	56,483	69,368	839.6	9,132	1,160	1,487

- Represents zero. [1] Represents industry of U.S. parent or industry of foreign affiliate.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* June 1988.

No. 894. U.S. Largest Public Companies—Return on Equity, Debt Equity Ratio, Sales, and Earnings per Share—by Industry: 1983 to 1987

[In percent, except ranks. For fiscal years ending in the 12 month period ending September 30. Included in the Forbes Universe of 1,000 companies is every firm with revenue of over $475 million in **1987.** Represents industry medians; calculated by listing companies in rank order and selecting the midpoint. Where there is an even number of companies, an arithmetic average of the two middle companies is substituted]

INDUSTRY	PROFITABILITY					GROWTH					
	Return on equity [1]			1987		Sales [4]			Earnings per share		
	5-year rank	5-year average 1983–87	Latest 12 months 1987	Debt as percent of equity [2]	Net profit margin [3]	5-year rank	5-year average 1983–87	Latest 12 months 1987	5-year rank	5-year average 1983–87	Latest 12 months 1987
All-industry medians	(x)	**12.8**	**13.6**	**48.6**	**4.3**	(x)	**6.8**	**8.3**	(x)	**5.3**	**13.9**
Beverage and tobacco	1	20.5	19.4	32.2	7.4	11	8.2	8.3	1	12.9	12.8
Communications media	2	19.1	17.8	49.8	5.9	5	11.5	9.8	2	12.9	9.5
Financial services	3	18.7	17.2	71.4	4.7	1	17.1	10.1	8	9.5	5.9
Industrial, office services	4	18.1	15.2	29.2	4.3	4	11.8	12.9	3	12.2	6.8
Health	5	17.5	20.0	36.0	7.7	8	10.8	12.0	7	10.0	14.2
Electrical equipment	6	16.3	16.9	13.0	6.9	23	5.6	4.6	12	7.5	15.5
Food processors	7	16.3	16.0	52.7	3.5	18	6.3	10.2	11	8.0	18.8
Retailing	8	16.1	14.0	52.5	2.7	3	13.6	10.1	5	11.8	14.6
Food distributors	9	16.1	14.9	74.0	1.5	10	9.4	7.7	10	8.2	8.9
Electric utilities	10	14.4	13.6	96.4	12.3	21	5.8	.4	16	5.3	1.9
Banks and thrifts	11	14.4	9.8	43.6	5.1	6	11.4	4.2	6	11.1	−24.6
Telecommunications	12	13.8	13.2	63.0	8.4	22	5.8	1.9	19	2.8	3.4
Aerospace and defense	13	13.6	12.8	28.0	3.9	17	6.5	1.8	13	6.1	11.6
Consumer products	14	13.4	14.7	39.5	3.9	12	7.7	12.6	14	5.8	13.9
Natural gas	15	12.[illegible]	10.2	85.5	5.3	26	3.8	−6.5	24	−.5	.1
Apparel, shoes and textiles	16	12.[illegible]	13.5	35.5	3.5	15	7.0	9.3	26	−3.6	15.1
Insurance	17	12.6	15.9	17.0	6.5	2	14.4	12.5	4	12.0	16.9
Packaging	18	11.6	14.3	48.6	4.3	13	7.7	13.7	9	6.8	53.7
Computers and electronics	19	11.3	11.4	26.4	4.2	7	11.2	13.0	20	1.1	19.0
Conglomerates	20	11.1	14.7	52.1	5.6	27	3.8	.5	22	.3	20.1
Paper	21	10.9	15.0	50.8	6.2	19	6.1	16.0	15	5.7	8.3
Chemicals	22	10.6	14.4	41.4	5.3	28	2.1	8.4	27	−7.3	38.8
Automotive	23	10.5	10.8	39.1	3.4	14	7.5	6.7	17	3.5	23.6
Leisure and recreation	24	10.4	11.0	59.9	4.8	20	6.0	13.6	21	1.0	5.1
Construction	25	10.3	11.1	45.3	3.7	24	4.9	7.2	23	−.1	26.2
Surface transportation	26	9.3	9.3	67.0	3.2	16	6.8	3.9	25	−3.1	−19.7
Air transport	27	7.3	4.1	84.0	1.9	9	10.8	19.2	18	2.8	30.5
Oil	28	6.8	3.3	61.0	1.2	31	−5.6	−10.4	28	(NS)	−53.5
Heavy equipment	29	5.6	6.1	38.2	2.0	30	−.2	.9	28	(NS)	1.4
Coal	30	4.5	5.6	62.6	4.8	25	4.0	−.2	28	(NS)	8.5
Metals	31	(5)	2.9	40.0	2.2	29	.1	6.3	28	(NS)	17.3

NS Not significant. X Not applicable. [1] Represents net income divided by common shareholders' equity. Common shareholders' equity is total shareholders' equity including the stated value of all perferred stock at the beginning of each year minus the involuntary liquidating value of non-convertible preferred shares. [2] Long-term debt, including capitalized leases, divided by total equity, including preferred equity. [3] Net income divided by net sales, including other operating income. [4] Net sales plus other operating revenue. [5] Deficit.

Source: Forbes, Inc., New York, NY, *Forbes Annual Report on American Industry.* (Copyright.)

No. 895. Corporate Funds—Sources and Uses: 1970 to 1987

[In billions of dollars, except percent. Covers nonfarm nonfinancial corporate business. See text, section 17]

SOURCE AND USE	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Sources, total	**102.2**	**158.4**	**345.9**	**383.3**	**327.5**	**432.3**	**518.5**	**492.3**	**491.3**	**484.1**
Internal	62.8	124.8	200.1	239.5	242.3	285.7	336.3	355.4	351.5	347.2
Domestic undistributed profits	7.6	36.4	53.7	50.2	11.6	22.2	41.8	23.4	[illegible]	9.9
IVA and CCA [1]	−1.6	−17.9	−59.2	−38.0	−18.7	5.1	25.1	50.3	42.9	29.0
Capital consumption allowances	49.9	91.9	171.3	198.8	221.4	228.2	238.4	251.2	262.8	274.3
Foreign earnings [2]	6.9	14.4	34.4	28.5	28.1	30.2	30.9	30.5	31.2	34.0
External [3]	39.5	33.6	145.8	143.9	85.1	146.6	182.2	136.9	139.9	136.9
Percent of total	38.6	21.2	42.2	37.5	26.0	33.9	35.1	27.8	28.5	28.3
Credit market funds	34.2	27.1	92.7	94.5	80.4	88.6	121.6	85.2	109.5	77.4
Securities and mortgages	26.3	38.5	53.1	22.8	44.0	57.3	−7.5	15.3	33.3	24.3
Equity issues	5.7	9.9	12.9	−11.5	11.4	28.3	−74.5	−81.5	−80.8	−76.5
Bonds and mortgages [4]	20.6	28.6	40.3	34.2	32.6	29.0	67.0	96.8	114.1	100.8
Loans and short-term paper	7.9	−11.5	39.5	71.7	36.4	31.3	129.0	69.9	76.1	53.2
Other	5.3	6.5	53.2	49.3	4.7	58.0	60.7	51.7	30.4	59.5
Profit taxes payable	−3.7	−2.4	−1.7	−6.8	−14.1	5.8	.7	−1.8	1.0	1.0
Trade debt	7.5	6.3	39.6	30.8	5.0	40.8	34.4	33.0	3.0	18.6
Foreign direct investments in U.S.	1.5	2.6	15.3	25.3	13.8	11.5	25.6	20.5	26.4	39.9
Uses, total	**97.9**	**153.4**	**352.1**	**368.6**	**303.5**	**399.8**	**488.0**	**442.4**	**439.8**	**452.3**
Capital expenditures	79.2	112.3	243.7	286.5	256.5	274.7	370.9	342.8	339.2	361.5
Increase in financial assets	18.7	41.1	108.4	82.0	47.0	125.1	117.1	99.7	100.6	90.8
Discrepancy (sources less uses)	*4.3*	*5.0*	*−6.2*	*14.8*	*24.0*	*32.5*	*30.5*	*49.9*	*51.5*	*31.9*

[1] Inventory valuation and capital consumption adjustment. [2] Foreign branch profits, dividends, and subsidiaries earnings retained abroad. [3] Net increases in liability. [4] Includes industrial pollution control revenue bonds, issued by State and local governments.

Source: Board of Governors of the Federal Reserve System. Data derived from *Flow of Funds Accounts,* annual.

Section 18

Communications

This section presents statistics on the usage, finances, and operations of the Postal Service and of the various communications media: Telephone, telegraph, radio, television, newspapers and periodicals. Expenditures data for advertising in the media are also included.

Postal Service.—The Postal Service provides mail processing and delivery services within the United States. The Postal Reorganization Act of 1970 created the Postal Service, effective July 1971, as an independent establishment of the Federal Executive Branch; it also placed restrictions on the private delivery of mail.

"Revenue and cost analysis" is the term used by the Postal Service to describe its system of attributing revenues and costs to classes of mail and service. This system draws primarily upon probability sampling techniques to develop estimates of revenues, volumes, and weights, as well as costs by class of mail and special service. The costs attributed to classes of mail and special services are primarily incremental costs which vary in response to changes in volume; they account for roughly 60 percent of the total costs of the Postal Service. The balance represents "institutional costs" which includes funds for research and development, portions of personnel and office supplies, etc. Statistics on revenues, volume of mail, and distribution of expenditures are presented in the Postal Service's annual report, *Cost and Revenue Analysis,* and its *Annual Report of the Postmaster General.*

Communication media.—The Federal Communications Commission (FCC), established in 1934, regulates wire and radio communications and licenses radio and television stations. Only the largest carriers and controlling companies file annual or monthly financial reports. Jurisdiction of the FCC applies to domestic and overseas telegraph carriers and to the Communications Satellite Corporation (Comsat), but not to a large number of telephone carriers that are engaged in intrastate service. The gross operating revenues of the telephone carriers reporting annually to the FCC, however, are estimated to cover about 90 percent of the revenues of all U.S. telephone companies.

Reports filed by the broadcasting industry cover substantially all radio and television stations operating in the United States and its outlying areas. The private radio services represent the largest and most diverse group of licensees regulated by the FCC. These services provide voice, data communications, point-to-point and point-to-multipoint communications to satisfy the requirements of individuals and American industry for land mobile and microwave communications. Major users of these services are: small business; the aviation industry; the maritime trades; the land transportation industry; manufacturing industries; state and local public safety and governmental authorities; emergency medical service providers; amateur radio operators and personal radio operations (CB and the General Mobile Radio Service). The FCC also licenses entities as "private carriers". Private carriers provide land mobile communications service and paging service on a for-profit basis. Principal sources of wire, radio, and television data are the FCC's *Annual Report,* and its annual *Statistics of Communications Common Carriers.*

Statistics on the printed media are available from the U.S. Bureau of the Census, as well as from various private agencies. The censuses of manufactures (conducted by the Census Bureau every five years, for the years ending in "2" and "7") provide statistics on the number and circulation of newspapers and periodicals and on sales of books and pamphlets. Editor & Publisher Co., New York, presents annual data on the number and circulation of daily and Sunday newspapers in its *International Year Book.* Monthly data on new books and new editions appear in *Publishers Weekly,* issued by R. R. Bowker Company, New York. (See table 382 for annual data.)

Advertising.—The statistics on advertising expenditures are compiled primarily by private organizations. McCann-Erickson, Inc., which compiles certain of the data shown (see tables 918-920), defines national advertising as the advertising done for companies whose products are distributed nationally, and for which national media rates are paid. Local advertising is defined as the advertising done for companies which market their products locally and which may pay special "local" media rates. Spot advertising is considered time bought by a national advertiser on a selective market basis. Monthly index figures of advertising in certain media are also published periodically by McCann-Erickson in *Advertising Age.*

The Broadcast Advertisers Reports (see tables 922-924) distinguished between spot and local advertising primarily on the basis of the type of advertiser to whom the time is sold, rather than how and by whom it is sold. In general, time purchased on behalf of retail or service establishments in the market is considered local, even though the establishments may be part of a national or regional chain. That is, spot advertising promotes a product, while local advertising promotes a given establishment. Network advertising, mutually exclusive of spot and local, is broadcast through the network system.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 896. U.S. Postal Service—Summary: 1975 to 1987

[**Employees in thousands; revenue and expenditures in millions of dollars, except as indicated.** For **fiscal years;** see text, section 9. Includes Puerto Rico and all outlying areas except Canal Zone. See text, section 18]

ITEM	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Employees, total	**702**	**663**	**667**	**670**	**675**	**679**	**702**	**744**	**785**	**791**
Regular	559	534	536	544	547	547	561	586	606	633
Postmasters	30	28	29	29	29	28	28	28	27	28
Office supervisors and tech. personnel	37	36	36	37	38	39	45	46	49	54
Office clerks and mail handlers [1]	239	230	229	232	232	229	235	249	260	272
City carriers and vehicle drivers	167	160	160	164	165	166	171	179	187	196
Rural carriers	31	32	33	33	34	34	35	35	36	37
Other	55	48	49	49	49	51	47	48	47	49
Substitute (part-time)	143	129	130	126	128	132	141	159	179	158
Compensation and employee benefits (mil. dol.)	10,805	15,162	16,541	18,018	19,094	20,070	22,157	24,349	25,576	27,229
Avg. salary per employee (dol.) [2]	15,392	22,869	24,799	26,893	28,283	29,565	31,562	32,727	32,581	34,424
Pieces of mail per employee, avg	127	151	159	164	169	176	187	188	188	195
Total revenue [3]	**11,590**	**17,999**	**19,106**	**20,781**	**23,628**	**24,899**	**26,474**	**28,956**	**31,021**	**32,297**
Operating postal revenue	10,015	16,106	17,143	19,133	22,600	23,582	25,314	27,736	30,102	31,528
Stamps, postal cards, etc	2,819	4,382	4,287	4,625	5,559	5,709	6,023	6,520	6,969	7,246
Second-class postage paid in money (pound rates) [4]	284	755	881	911	996	991	1,056	1,339	1,271	1,328
Other postage paid under permit and meter	6,241	10,062	10,828	11,891	13,984	14,755	16,067	17,747	19,294	20,280
Box rents	67	153	160	168	168	202	188	230	259	273
Miscellaneous	556	663	892	1,427	1,771	1,801	1,847	1,774	2,174	2,255
Money-order revenues	53	91	95	111	122	124	132	126	135	148
Government appropriations	1,533	1,720	1,610	1,275	707	789	879	970	716	650
Percent of total revenue	13.2	9.6	8.4	6.1	3.0	3.2	3.3	3.3	2.3	2.0
Investment income, net	37	173	353	373	321	328	282	250	203	119
Mail and service:										
First-class mail [5]	5,798	9,733	10,146	11,457	13,747	14,255	15,216	16,740	18,035	18,786
Priority mail [6]	411	561	612	758	823	849	928	960	1,011	1,086
Second-class publishers' mail [7]	277	739	864	885	961	958	1,025	1,093	1,222	1,280
Third-class mail [8]	1,348	2,216	2,412	2,643	3,303	3,677	4,241	4,887	5,606	6,148
Bulk rate	1,167	1,967	2,168	2,405	3,092	3,482	4,039	4,697	5,414	5,947
Single piece rate and fees	181	249	244	238	211	195	202	190	193	200
Fourth-class mail [9]	718	747	805	786	788	753	774	763	814	823
Zone rate mail (parcels, catalogs, etc.)	577	484	500	499	507	500	519	524	550	583
Special fourth-class rate	130	237	272	251	237	206	210	199	213	203
Library rate and fees	11	27	33	36	44	47	45	40	51	57
Government mail [10]	484	678	745	761	918	913	901	934	992	907
International mail [11]	390	550	596	735	862	874	859	882	934	957
Special services	251	506	518	823	823	866	868	918	979	1,030
Express mail	(x)	(x)	184	270	339	422	490	544	491	496
Mailgrams	(x)	(x)	15	16	16	14	13	15	17	13
Other [12]	1,913	2,120	2,205	1,647	1,028	1,118	1,159	1,220	919	769
Expenditures (mil. dol.) [13]	**12,578**	**17,529**	**19,412**	**21,369**	**22,826**	**24,083**	**26,357**	**29,207**	**30,716**	**32,520**
Number of post offices	30,754	30,449	30,326	30,242	30,155	29,990	29,750	29,557	29,344	29,319
Pieces of mail handled (est.) (bil.)	89.3	99.8	106.3	110.1	114.0	119.4	131.5	140.1	147.4	153.9
First-class, number (bil.) [5]	51.4	58.0	60.3	61.5	62.3	64.3	68.4	72.4	76.2	78.9
Percent	57.6	58.1	56.7	55.8	54.5	53.8	52.0	51.7	51.7	51.3
Second class (bil.)	9.1	8.4	8.4	10.0	9.5	9.2	9.5	10.4	10.6	10.3

X Not applicable. [1] Includes mobile unit employees. [2] Includes fringe benefits. [3] Net revenues after refunds of postage. Includes operating reimbursements, embossed envelope purchases, indemnity claims, and miscellaneous revenue and expenditure offsets. Shown in year which gave rise to the earnings. [4] Includes controlled circulation publications. [5] Items mailed at 1st-class rates and weighing 12 ounces or less. [6] Items otherwise qualified as 1st-class or airmail that exceeds 12 ounces and 8 ounces, respectively. [7] Includes other not shown separately. Includes mail paid at other than bulk rates. Publishers' mail includes printed publications periodically issued and mailed at a known post office to paid subscribers, such as regular rate newspapers and magazines, and classroom and nonprofit rate publications. See source for further detail. [8] Items less than 16 ounces in weight not mailed at either 1st- or 2d-class rates. [9] Items not mailed at 1st-, 2d-, or 3d-class rates, except government and international mail. May include parcel post, catalogs weighing 16 ounces or more, books, films, and records. [10] Penalty and franked. [11] Mail from U.S. to foreign countries paid at international mail rates. [12] Consists of unassignable revenues; 1975 includes domestic airmail. [13] Shown in year in which obligation was incurred.

Source: U.S. Postal Service, *Annual Report of the Postmaster General.*

NO. 897. U.S. POSTAL SERVICE—VOLUME OF MAIL, BY CLASS: 1970 TO 1987

[**In millions, except per capita. For fiscal years;** see text section 9. Includes Puerto Rico and all outlying areas except Canal Zone. For definition of classes of mail, see footnotes, table 896. See also *Historical Statistics, Colonial Times to 1970,* series R 172-186]

CLASS OF MAIL	PIECES OF MAIL					WEIGHT OF MAIL (lb.)				
	1970	**1975**	**1980**	**1985**	**1987**	**1970**	**1975**	**1980**	**1985**	**1987**
Total	**84,882**	**89,266**	**106,311**	**140,098**	**153,931**	**13,281**	**12,025**	**12,958**	**16,783**	**17,881**
Domestic	83,986	88,334	105,348	139,269	153,153	13,055	11,824	12,742	16,564	17,665
1st class and airmail [1]	50,174	52,482	60,332	72,517	78,933	1,636	1,746	2,213	2,807	3,047
Priority mail	185	207	248	308	354	371	440	591	672	763
2d class [2]	9,914	9,713	10,221	10,380	10,324	3,641	3,024	3,478	3,966	4,012
3d class	19,974	21,867	30,381	52,170	59,734	2,032	2,283	3,240	6,453	7,155
4th class	977	801	633	576	615	4,786	3,754	2,661	2,156	2,179
Penalty	2,544	2,928	2,992	2,606	2,645	540	527	503	470	453
Franked and free for blind	218	336	540	710	548	49	50	56	40	56
International	896	932	963	829	778	226	201	216	219	216
Per capita: [3]										
Total, all domestic mail [4]	411	411	464	585	632	64	55	56	70	73
1st class and airmail	245	244	266	304	326	8	8	10	12	13
2d class [2]	49	45	45	44	43	18	14	15	17	17
3d class	98	102	134	219	247	10	11	14	27	30
4th class	5	4	3	2	3	23	17	12	9	9

[1] Beginning 1980, includes express mail established as a class of mail on October 9, 1977, and mailgrams. [2] See footnote 8, table 896. [3] 1970 and 1980, based on April 1 population, including Armed Forces abroad; otherwise, based on estimated total population as of Jan. 1, including Armed Forces abroad. [4] Includes types of mail not shown separately.

Source: U.S. Postal Service, *Annual Report of the Postmaster General.*

NO. 898. U.S. POSTAL SERVICE RATES FOR LETTERS AND POST CARDS: 1958 TO 1988

[See also *Historical Statistics, Colonial Times to 1970,* series R 188-191]

DATE OF RATE CHANGE	SURFACE MAIL				Domestic airmail letters [1]	DATE OF RATE CHANGE	SURFACE MAIL				Domestic airmail letters	Express mail [2]
	Letters			Postal and post cards			Letters			Postal and post cards		
	Each ounce	First ounce	Each added ounce				Each ounce	First ounce	Each added ounce			
1958 (Aug. 1)	4¢	(x)	(x)	3¢	7¢	1975 (Dec. 31)	[3] (x)	[3] 13¢	[3] 11¢	[3] 9¢	(4)	(x)
1963 (Jan. 7)	5¢	(x)	(x)	4¢	8¢	1978 (May 29)	(x)	15¢	13¢	10¢	(5)	(x)
1968 (Jan. 7)	6¢	(x)	(x)	5¢	10¢	1981 (Mar. 22)	(x)	18¢	17¢	12¢	(5)	(x)
1971 (May 16)	8¢	(x)	(x)	6¢	11¢	1981 (Nov. 1)	(x)	20¢	17¢	13¢	(5)	$9.35
1974 (Mar. 2)	10¢	(x)	(x)	8¢	13¢	1985 (Feb.17)	(x)	22¢	17¢	14¢	(5)	$10.75
1975 (Sept. 14)	(x)	10¢	9¢	7¢	(x)	1988 (Apr. 3)	(x)	25¢	20¢	15¢	(5)	[6] $8.75 [7] $12.00

X Not applicable. [1] Each ounce, except as noted. [2] Post Office to addressee rates. Rates shown are for weights up to 2 pounds, all zones. Beginning Feb. 17, 1985, for weights between 2 and 5 lbs, $12.85 is charged. Prior to Nov. 1, 1981, rate varied by weight and distances. Over 5 pounds still varies by distance. [3] As of October 11, 1975, surface mail service upgraded to level of airmail. [4] 17¢ for first ounce; 15¢ for each added ounce. [5] As of May 1, 1977, domestic airmail service, as a separate class of mail, was discontinued. [6] Letter rate up to eight ounces. [7] Over eight ounces and up to two pounds.

Source: U.S. Postal Service, "United States Domestic Postage Rates: Recent History," and unpublished data.

NO. 899. INTERNATIONAL AIR MAIL RATES FROM THE U.S.: 1961 TO 1988

[Excludes Canada and Mexico]

DATE OF RATE CHANGE	ZONE 1 [1]		ZONE 2 [2]		ZONE 3 [3]		Postal and post cards	Aerogrammes
	Each ½ ounce up to two ounces	Each added ½ ounce	Each ½ ounce up to two ounces	Each added ½ ounce	Each ½ ounce up to two ounces	Each added ½ ounce		
July 1, 1961	.13	.13	.15	.15	.25	.25	.11	.11
May 1, 1967	.15	.15	.20	.20	.25	.25	.13	.13
July 1, 1971	.17	.17	.21	.21	.21	.21	.13	.13
Mar. 2, 1974	.21	.17	.26	.21	.26	.21	.18	.18
Jan. 3, 1976	.25	.21	.31	.26	.31	.26	.21	.22
Jan. 1, 1981	.35	[4] .30	.40	[5] .35	.40	[5] .35	.28	.30
Feb. 17, 1985	.39	[6] .33	.44	[7] .39	.44	[7] .39	.33	.36
In effect, April 17, 1988 [8]	.45	.42	.45	.42	.45	.42	.36	.39

[1] Caribbean, Central and South America. The airmail letter rate to South America, 1961 to 1967, was the same as that to Europe. Beginning January 3, 1976, the airmail letter rate to all South American countries except Colombia and Venezuela is the same as Europe; Colombia and Venezuela are included in the first zone. [2] Europe and Mediterranean Africa. [3] Rest of world. [4] Up to 32 oz.; 30 cents per additional ounce over 32. [5] Up to 32 oz.; 35 cents per additional ounce over 32. [6] Up to 32 oz.; 33 cents per additional ounce over 32. [7] Up to 32 oz.; 39 cents per additional ounce over 32. [8] Air letters collapsed to a single schedule except for Canada and Mexico.

Source: U.S. Postal Service, unpublished data.

No. 900. Utilization of Selected Media: 1960 to 1988

ITEM	Unit	1960	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Households with—												
Telephone service[1]	Percent	78.5	87.0	(NA)	93.0	(NA)	(NA)	91.8	91.8	92.2	92.5	92.9
Radio sets[2]	Percent	96.3	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
Average number of sets	Number	3.7	5.1	5.6	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.6
Television sets[3]	Millions	45.8	58.5	68.5	76.3	81.5	83.3	83.8	84.9	85.9	87.4	88.6
Television sets[3]	Percent	87	95	97	98	98	98	98	98	98	98	98
Color set households[3]	Millions	.3	20.9	46.9	63.4	71.4	73.9	75.8	77.7	80.1	82.7	85.9
Average viewing per day[4]	Hours	5.1	5.9	6.1	6.6	6.8	7.0	7.1	7.1	(NA)	7.2	7.1
Average number of sets[5]	Number	1.13	1.39	1.54	1.68	1.75	1.79	1.78	1.83	1.83	1.86	1.90
Cable TV[6]	Percent	(NA)	(NA)	(NA)	19.8	28.0	37.2	41.2	44.6	46.8	48.7	51.1
VCR's[7]	Percent	(NA)	(NA)	(NA)	1.1	3.1	5.5	10.6	20.8	36.0	48.7	58.1
Commercial radio stations:[2]												
AM	Number	3,539	4,323	4,463	4,589	4,668	4,733	4,754	[8] 4,718	4,863	4,902	(NA)
FM	Number	815	2,196	2,767	3,282	3,380	3,527	3,716	[8] 3,875	3,944	4,041	(NA)
Television stations:[9] Total	Number	559	862	953	1,011	1,065	1,106	1,138	1,182	1,235	1,290	1,362
Commercial	Number	515	677	706	734	777	813	841	883	919	968	1,028
Cable television:[9]												
Systems	Number	640	2,490	3,506	4,225	4,825	5,600	6,200	6,844	7,600	7,900	8,500
Subscribers served	Millions	.65	4.5	9.8	15.5	21.0	25.0	30.0	31.3	37.5	41.0	42.0
Daily newspaper circulation:[10]												
Number	Millions	58.9	62.1	60.7	62.2	62.5	62.6	63.1	62.8	62.7	62.8	(NA)
Per capita[11]	Number	.327	.305	.282	.275	.269	.267	.267	.263	.260	.258	(NA)

– Represents zero. NA Not available. [1] For occupied housing units. 1960 through 1980, as of April 1; thereafter, as of March. Source: U.S. Bureau of the Census, *Census of Housing: 1960, 1970,* and *1980,* vol. 1, and unpublished data. [2] As of Dec. 31, except as noted. Source: Radio Advertising Bureau, New York, NY, *Radio Facts,* annual (copyright). Number of stations on the air compiled from Federal Communications Commission reports. [3] 1970–1975, as of Sept. of prior year; all other years as of Jan. of year shown. Source: 1960–1965, National Broadcasting Company, New York, NY, thereafter, Nielsen Media Research, Northbrook, IL, *Nielsen Report on Television* (copyright). [4] Calendar year data. Source: Nielsen Media Research, Northbrook, IL, *Nielsen Report on Television* (copyright). [5] 1970 and 1975, as of Sept; all other years, as of Jan. Excludes Alaska and Hawaii. Source: Television Bureau of Advertising, Inc. New York, NY, *Trends in Television,* annual. [6] As of February. Source: See footnote 4. [7] As of February. Excludes Alaska and Hawaii. Source: Nielsen Media Research, Northbrook, IL, *VCR Trends* (copyright). [8] As of February 1986. [9] As of Jan. 1. Source: Warren Publishing, Inc., Washington, DC, *Television and Cable Factbook,* annual (copyright). Number of television stations on the air. [10] As of Sept. 30, except 1960, as of Oct. 1. Source: Editor & Publisher, Co., New York, NY, *Editor & Publisher International Year Book,* annual (copyright). [11] Per capita based on total resident population enumerated as of April 1, 1970 and 1980, and estimated as of July 1 for other years.

Source: Compiled from sources mentioned in footnotes.

No. 901. Multimedia Audiences—Summary: 1987

[**In percent, except as indicated.** As of **spring.** For persons 18 years old and over. Based on sample and subject to sampling error; see source for details]

ITEM	Total population (1,000)	Television viewing and coverage	Television prime time viewing and coverage	Cable viewing and coverage	Radio listening and coverage	Newspaper reading and coverage
Total	**174,900**	**91.5**	**77.1**	**45.1**	**86.2**	**85.7**
18–24 years old	27,102	88.0	68.5	45.5	93.9	82.6
25–34 years old	42,405	90.2	75.8	47.5	93.7	86.2
35–44 years old	32,452	90.8	78.3	51.0	91.3	88.2
45–54 years old	22,858	91.9	77.6	45.5	87.3	87.4
55–64 years old	22,564	94.5	82.9	44.6	79.1	88.1
65 years old and over	27,519	94.9	80.8	33.9	66.2	81.7
Male	83,367	90.7	74.9	48.5	87.8	86.7
Female	91,533	92.2	79.0	41.9	84.8	84.8
White	151,131	91.0	76.4	47.6	86.3	87.1
Black	19,269	95.4	81.5	28.3	85.6	79.0
Other	4,500	93.2	80.0	32.9	85.5	67.5
Spanish speaking	8,000	91.9	77.5	37.7	87.6	78.3
College graduate	30,471	90.1	75.9	50.0	90.6	94.4
Attended college	31,585	90.1	74.4	53.1	90.7	91.3
High school graduate	68,438	92.1	78.4	45.3	87.9	87.2
Not high school graduate	44,406	92.5	77.6	35.6	77.5	73.9
Employed: Full-time	98,617	90.0	75.5	48.7	92.1	88.1
Part-time	11,089	90.9	74.0	51.4	90.4	90.2
Not employed	65,194	93.9	80.0	38.4	76.6	81.3
Household income:						
Less than $10,000	18,647	91.1	74.5	27.2	71.3	67.9
$10,000 to $19,999	31,056	94.0	79.4	37.1	80.5	78.8
$20,000 to $29,999	33,219	91.3	78.8	43.3	86.7	87.8
$30,000 to $34,999	16,195	90.2	76.3	49.4	89.1	88.2
$35,000 to $39,999	14,891	91.6	76.9	51.5	89.6	89.1
$40,000 to $49,999	24,289	91.7	76.0	49.8	90.0	91.0
$50,000 or more	36,603	90.1	75.8	54.7	93.1	92.7

Source: Mediamark Research Inc., NewYork, NY, *Multimedia Audiences,* Spring 1988. (Copyright.)

No. 902. COMMUNICATIONS EQUIPMENT—FACTORY SHIPMENTS: 1981 TO 1986

[**In millions of dollars**, except percent change. Minus sign (−) indicates decrease. N.e.c.=Not elsewhere classified]

ITEM	1981	1982	1983	1984	1985	1986	PERCENT CHANGE 1981-82	1982-83	1983-84	1984-85	1985-86
Shipments, total	**23,795**	**27,702**	**30,676**	**35,288**	**41,032**	**43,030**	**16.4**	**10.7**	**15.0**	**16.3**	**4.6**
Search, detection, navigation and guidance systems and equip.[1]	15,040	17,733	19,982	22,823	27,057	29,260	17.9	12.7	14.2	18.6	8.1
Radar systems and equipment	1,900	2,442	3,344	3,699	4,321	4,270	28.5	36.9	10.6	16.8	−1.2
Missiles-borne and space-vehicle-borne equipment	1,583	1,867	1,856	2,205	2,732	3,163	17.9	−.6	18.8	23.9	15.8
Navigation systems and equip.[2]	2,578	2,689	2,712	2,744	2,971	3,393	4.3	.9	1.2	8.3	14.2
Counter measures equipment	1,004	1,284	1,596	2,037	2,682	3,297	27.9	24.3	27.6	31.7	22.9
Tracking radar	1,702	1,779	2,088	1,821	2,208	2,408	4.5	17.4	−12.8	21.3	9.1
Search, detection, identification, and tracking system n.e.c	893	1,048	1,189	1,510	1,961	1,918	17.4	13.5	27.0	29.9	−2.2
Sonar search, detection and tracking systems and equipment	978	1,156	1,374	1,620	1,885	1,949	18.2	18.9	17.9	16.4	3.4
Specialized electronic and comm. intelligence equipment	1,051	1,346	1,349	1,370	1,810	1,855	28.1	.2	1.6	32.1	2.5
Commercial, industrial, and military communications equipment[1]	5,722	6,854	7,694	9,258	10,671	10,568	19.8	12.3	20.3	15.3	−1.0
Space satellite communications systems	1,095	1,614	1,760	2,277	2,281	1,946	47.4	9.0	29.4	.2	−14.7
Receivers, radio communications	1,086	1,290	1,391	1,678	1,953	2,264	18.8	7.8	20.6	16.4	15.9
Intercommunications systems[3]	1,586	1,572	1,537	1,732	1,743	1,665	−.9	−2.2	12.7	.6	−4.5
Broadcast studio and related electronic equipment[4]	1,447	1,544	1,464	1,476	1,562	1,537	6.7	−5.2	.8	5.8	−1.6

[1] Includes shipments not shown separately. [2] For aircraft, ship, and ground navigation. Represents autopilots, beacons, collision warning devices, direction finders equipment, etc. [3] Includes alarm systems and traffic control shipment. [4] Includes video, cable TV, and audio equipment.

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

No. 903. TELEPHONE AND TELEGRAPH SYSTEMS: 1970 TO 1986

[Covers principal carriers filing annual reports with Federal Communications Commission. Minus sign (−) indicates loss. See *Historical Statistics, Colonial Times to 1970*, series R 46-70 and R 75-88, for data on telegraph systems]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Domestic telephone:[1]											
Carriers[2]	Number	56	62	61	59	60	61	62	61	39	39
Telephones[3]	Million	105	130	153	157	158	151	(NA)	(NA)	(NA)	(NA)
Access lines	Million	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	100	103	106
Miles of wire	Million	628	872	1,081	1,131	1,188	1,223	1,260	1,290	1,313	1,338
Gross book cost of plant	Bil. dol	59.9	95.5	134.9	147.4	161.5	174.0	184.2	183.0	195.1	207.4
Depreciation reserves[4]	Bil. dol	13.2	18.8	24.9	26.5	30.0	34.0	39.7	42.9	50.0	58.7
Ratio to book cost	Percent	22.1	19.7	18.5	18.0	18.6	19.6	21.5	23.5	25.6	28.3
Capital stock and premium	Bil. dol	16.4	21.6	28.8	31.3	34.5	38.8	43.4	46.9	48.1	41.5
Operating revenues	Bil. dol	18.2	31.3	49.8	55.6	63.7	70.7	75.0	98.9	104.8	106.4
Operating expenses[5]	Bil. dol	11.7	20.2	33.0	37.3	42.8	49.1	50.9	74.7	78.6	79.0
Net operating income[6]	Bil. dol	3.1	5.6	8.9	10.0	11.4	11.4	12.4	12.4	13.4	13.9
Net income	Bil. dol	2.3	3.6	6.0	6.6	7.5	7.3	7.6	8.5	9.5	10.4
Employees	1,000	839	840	928	938	945	909	858	742	(NA)	(NA)
Compensation of employees	Bil. dol	7.0	11.7	18.4	20.2	22.2	24.8	25.1	22.7	(NA)	(NA)
Overseas telephone:											
Number of overseas calls	Million	23.4	62.2	168.3	199.6	265.5	310.8	369.5	427.6	411.7	477.6
Revenue from overseas calls	Mil. dol	252	562	1,106	1,535	1,654	1,461	1,697	1,772	1,799	1,841
Ocean cable systems	Number	17	21	22	24	24	24	26	26	26	26
Communications satellites[7]	Number	4	5	5	5	5	6	6	6	6	6
Domestic telegraph:											
Carriers	Number	1	1	1	1	1	1	1	1	1	1
Revenue messages transmitted	Million	70	42	55	55	56	50	42	39	35	23
Message revenues[8]	Mil. dol	234	197	271	296	320	320	316	321	304	273
Total operating revenues	Mil. dol	402	505	636	697	779	809	722	738	715	573
Operating revenue deductions	Mil. dol	368	435	561	603	669	726	654	712	654	601
Operating income[9]	Mil. dol	34	70	75	94	110	84	68	26	61	−28
Teletypewriter messages	Million	46	54	59	68	63	(NA)	(NA)	(NA)	(NA)	(NA)
Overseas telegraph:[10]											
Carriers	Number	6	6	7	7	7	7	6	6	6	6
Revenue messages transmitted	Million	32	26	21	20	18	15	11	9	7	6
Message revenues[8]	Mil. dol	124	217	355	380	405	411	395	411	404	402
Total operating revenues	Mil. dol	194	316	497	535	578	613	616	644	652	633
Operating revenue deductions	Mil. dol	156	245	362	405	468	532	560	611	638	642
Operating income[9]	Mil. dol	26	48	85	79	70	58	47	22	41	9
Return on investment:[11]											
Telephone	Percent	7.1	7.6	8.5	8.7	9.0	8.4	8.7	9.2	9.4	9.4
Domestic telegraph	Percent	5.0	6.1	5.5	6.6	7.4	5.2	3.9	1.5	3.5	−2.1
Overseas telegraph	Percent	10.6	12.0	17.9	15.9	12.5	9.1	6.8	3.3	6.7	1.5

NA Not available. [1] Includes Puerto Rico and Virgin Islands. Excludes intercompany duplications. Gross operating revenues of carriers reporting since 1970 estimated at 90 percent of all carriers. [2] Beginning 1985, number of carriers changed due to change in dollar requirement of reporting carriers from $1,000,000 to $100,000,000. [3] Includes company, service, and private. [4] Includes amortization reserves. [5] Excludes taxes. [6] After tax deductions. [7] Excludes contingency and retired satellites. [8] Includes telex service; for domestic telegraph, excludes TWX. [9] After Federal income taxes. [10] Excludes South American and most Caribbean operations of All America Cables and Radio, Inc. [11] Ratio of net operating income (after taxes) to average net book cost of communications plant.

Source: U.S. Federal Communications Commission, *Statistics of Communications Common Carriers*, annual, and unpublished data.

NO. 904. TELEPHONE COMPANIES—SUMMARY: 1970 TO 1987

[As of **Dec. 31** or **calendar year**, as applicable. See also *Historical Statistics, Colonial Times to 1970*, series R 31-45]

ITEM	Unit	INDEPENDENT COMPANIES [1]						TOTAL [2]			
		1970	1980	1984	1985	1986	1987	1984	1985	1986	1987
All companies	**Number**	**1,841**	**1,483**	**1,416**	**1,402**	**1,360**	**1,360**	**1,440**	**1,426**	**1,404**	**1,384**
Telephones	Millions	20.3	34.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Access lines	Millions	(NA)	20.8	23.0	24.3	25.2	26.0	114.5	118.3	122.2	126.7
Total telephone plant	Mil. dol	12,390	35,300	45,850	49,069	50,692	52,890	193,779	207,289	218,701	230,816
Operating revenues	Mil. dol	2,953	10,475	16,000	17,245	18,469	19,920	73,868	78,425	82,366	84,900
Average daily conversations, total	Millions	109	192	210	223	243	301	1,199	1,264	1,327	1,682
Local calls	Millions	104	177	190	203	210	251	1,111	1,162	1,206	1,500
Toll calls	Millions	5	15	20	20	33	50	88	102	121	182
Reporting companies [3]	**Number**	**684**	**765**	**631**	**653**	**630**	**604**	**655**	**677**	**654**	**639**
Telephones	Millions	19.2	33.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Access lines	Millions	(NA)	19.4	22.1	23.4	24.2	24.7	113.6	117.4	121.2	124.9
Telephone plant in service	Mil. dol	11,175	32,491	42,093	45,501	47,732	48,335	186,151	199,978	212,366	222,260
Depreciation reserves	Mil. dol	2,203	7,820	12,864	14,310	15,515	15,945	45,748	52,872	61,053	69,616
Operating revenues	Mil. dol	2,791	10,177	15,403	16,684	17,555	17,266	73,270	77,864	81,452	82,246
Operating expenses [4]	Mil. dol	1,953	7,279	12,305	13,323	12,548	12,532	59,788	63,679	59,292	61,431
Net income	Mil. dol	356	1,268	2,199	2,434	2,617	2,663	9,313	10,063	10,964	11,192
Common stock and surplus	Mil. dol	3,733	9,623	12,781	13,940	14,033	15,083	63,147	66,510	66,603	69,413
Net income to common stock and surplus	Percent	9.5	13.2	17.2	17.5	18.7	18.0	14.7	15.1	16.5	16.1
Employees	1,000	142	189	168	170	165	152	724	695	672	653
Wages and salaries	Mil. dol	1,001	3,373	4,429	4,558	4,736	4,643	22,112	21,443	22,127	22,125

NA Not available. [1] Companies independent of the Bell System, prior to divestiture of January 1984. [2] All telephone companies. [3] Comprises only companies submitting operating information to source cited below. [4] Excludes Federal income tax.

Source: United States Telephone Association, Washington, DC, *Statistics of the Telephone Industry*, annual. (Copyright.)

NO. 905. REA AND RURAL TELEPHONE BANK PROGRAM—SUMMARY: 1970 TO 1987

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Loans and guarantees approved, Dec. 31: [1]											
Borrowers	Number	862	921	990	1,010	1,029	1,037	1,035	1,034	1,037	1,037
REA amount	Mil. dol	1,816	2,576	3,845	4,076	4,327	4,540	4,742	4,937	5,119	5,342
Guaranteed amount	Mil. dol	-	237	418	553	626	672	701	679	679	673
Rural Telephone Bank amount	Mil. dol	-	618	1,388	1,529	1,726	1,872	2,000	2,131	2,249	2,403
Route miles of line,[2] Dec. 31	1,000	547	653	798	805	831	847	868	872	869	877
Subscribers, Dec. 31	1,000	2,335	3,045	4,262	4,375	4,546	4,629	4,747	4,792	4,833	5,005
Telephones in service	1,000	2,989	4,355	6,770	6,953	7,147	(NA)	(NA)	(NA)	(NA)	(NA)
Total operating revenues	Mil. dol	363	753	1,758	2,042	2,389	2,643	2,910	3,106	3,181	3,339
Total telephone plant	Mil. dol	2,085	3,850	7,388	8,034	8,897	9,532	10,195	10,671	10,917	11,621
Employees	1,000	15.4	20.0	28.4	28.7	28.8	28.9	28.7	28.3	27.8	28.0

- Represents zero. NA Not available. [1] Cumulative net loans (cancellations deducted). [2] Line in service.

Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Telephone Borrowers*, annual.

NO. 906. PRIVATE RADIO STATIONS AUTHORIZED, BY CLASS: 1980 TO 1987

[**In thousands. As of Sept. 30.** Includes Puerto Rico and Virgin Islands. See also *Historical Statistics, Colonial Times to 1970*, series R 140-148]

CLASS	1980	1985	1986	1987	CLASS	1980	1985	1986	1987
Private radio services [1]	**16,357.3**	**2,419.5**	**2,573.7**	**2,657.1**	Land transportation	28.0	37.7	39.8	40.0
Personal	14,560.2	(x)	459.4	470.4	Railroad	10.0	13.8	14.9	15.1
Citizens Band	14,308.4	(x)	-	-	Taxicab	4.8	6.1	6.2	6.0
General mobile	20.2	33.6	35.7	37.8	Interurban property	3.1	4.4	4.9	5.3
Radio control	231.7	(x)	-	-	Other	9.9	13.4	13.8	13.6
Amateur and disaster	389.9	415.4	423.7	432.6	Marine	398.3	525.3	561.2	573.7
Aviation	231.6	245.7	244.3	247.7	Ship	386.6	510.4	545.3	558.6
Aircraft	196.8	207.3	205.4	208.2	Alaskan	2.6	2.7	2.8	2.6
Aeronautical and fixed	9.5	10.9	11.1	11.2	Coastal and other	9.1	12.2	13.1	12.5
Civil air patrol	21.6	23.0	23.3	23.6	Public safety	137.1	194.5	207.1	212.6
Other	3.7	4.5	4.5	4.7	Police	42.3	42.3	45.0	46.1
Industrial	504.9	811.3	864.4	871.1	Fire	20.6	36.6	38.7	39.9
Power	23.1	34.4	37.7	40.5	Forestry conservation	7.6	9.6	10.2	10.3
Business	370.4	593.5	635.6	640.5	Highway maintenance	9.7	12.7	13.4	13.8
Petroleum	17.9	25.2	26.6	26.6	Special emergency	22.4	37.4	39.4	38.6
Forest products	6.4	9.8	10.6	10.9	Other	34.2	55.9	60.4	62.9
Special industrial	72.1	115.0	119.2	117.5	Operational fixed services [2]	18.0	23.1	25.6	27.9
Other	14.7	33.4	34.7	35.1					

- Represents zero. X Not applicable. [1] Includes items not shown separately. Each license, construction permit, or combination construction permit and license is counted as one station; therefore, a station might include a transmitter and many mobile units. [2] Includes microwave operations.

Source: U.S. Federal Communications Commission, *Annual Report*, and unpublished data.

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NO. 907. PUBLIC TELEVISION STATIONS: 1968 TO 1984

[Based on a "typical" broadcast week through 1972; calendar year data for 1974 and 1976; fiscal year data thereafter. General programing is directed at the general community. Instructional programing is directed at students in the classroom or otherwise in the general context of formal education]

ITEM	1968	1970	1972	1974	1976	1978	1980	1982	1984
Stations broadcasting	[1] 153	[1] 190	220	[2] 238	[3] 253	272	281	291	303
Total weekly broadcast hours	[1] **8,534**	[1] **12,217**	**15,587**	**18,321**	**22,096**	**26,064**	**27,643**	**30,337**	**32,293**
General programs	4,671	7,697	7,904	10,868	14,329	17,929	19,508	21,418	23,154
Percent of total hours	54.7	63.0	50.7	59.3	64.8	68.8	69.6	70.6	71.7
Instructional programs [4]	3,863	4,520	7,683	7,453	7,766	8,135	8,135	8,919	9,139
Average weekly broadcast hours per station	**56.1**	**65.3**	**70.9**	**80.7**	**90.9**	**95.8**	**99.8**	**104.3**	**106.6**
General programing	30.7	41.1	36.0	47.9	59.0	65.9	69.4	73.6	76.4
Instructional programing [4]	25.4	24.2	34.9	32.8	31.9	29.9	30.4	30.7	30.2

[1] 152 stations reported in 1968 and 187 in 1970; details include data for reporting stations only. [2] Includes data for 227 stations only, representing 147 primary broadcasters; does not include secondary broadcasters. [3] Includes data for 243 stations only, representing 151 primary broadcasters. [4] Beginning 1974, includes material from Children's Television Workshops.

Source: Through 1970, National Instructional Television Center, Bloomington, IN, *One Week of Educational Television, 1970* (copyright); 1972, Corporation for Public Broadcasting, *One Week of Public TV*, April 1972, and unpublished data; 1974-1984, Corporation for Public Broadcasting, *PTV Programming Content by Category Report Series*, and unpublished data.

NO. 908. PUBLIC BROADCASTING SYSTEMS—INCOME BY SOURCE: 1980 TO 1987

[**In millions of dollars, except as indicated.** Stations as of Dec. 31; fiscal year data for income. Includes nonbroadcast income]

NUMBER OF STATIONS AND INCOME SOURCE	1980	1982	1983	1984	1985	1986	1987, prel.	PERCENT DISTRIBUTION			
								1980	1985	1986	1987, prel.
Number of CPB-qualified public radio stations	217	255	266	275	288	295	299	(x)	(x)	(x)	(x)
Public television stations	290	299	300	304	317	322	323	(x)	(x)	(x)	(x)
Total income	**704.9**	**845.2**	**899.2**	**974.2**	**1,096.3**	**1,134.0**	**1,294.0**	**100.0**	**100.0**	**100.0**	**100.0**
Federal government	192.5	197.6	163.7	167.0	179.2	185.7	243.1	27.3	16.3	16.4	18.8
State and local government [1]	271.6	301.0	318.3	334.5	358.4	378.8	388.9	38.5	32.7	33.4	30.1
Subscribers and auction/marathon	102.3	162.5	196.4	215.2	247.7	268.5	297.2	14.5	22.6	23.7	23.0
Business and industry	72.4	100.5	119.8	144.7	170.8	170.8	195.6	10.3	15.6	15.1	15.1
Foundation	23.5	22.1	24.9	27.8	43.0	38.3	48.0	3.3	3.9	3.4	3.7
Other	42.6	61.5	76.0	85.0	97.2	91.9	121.2	6.0	8.9	8.1	9.4

X Not applicable. [1] Includes income received from State colleges and universities, and, beginning 1980 from other tax supported colleges and universities.

Source: Corporation for Public Broadcasting (CPB), Washington, DC, *Public Broadcasting Income, Fiscal Year, 1987*, and unpublished data.

NO. 909. CABLE TELEVISION—SYSTEMS AND SUBSCRIBERS: 1952 TO 1988

[**Subscribers in thousands, except percent.** Estimated]

YEAR (As of Jan. 1)	Systems	Subscribers	YEAR (As of Jan. 1)	Systems	Subscribers	SUBSCRIBER SIZE-GROUP	Number of—[1]		Percent of—[1]	
							Systems	Subscribers	Systems	Subscribers
1952	70	14	1977	3,832	11,900	**1988, total** [2]	**7,731**	**41,491**	**100.00**	**100.00**
1955	400	150	1978	3,875	13,000	50,000 and over	149	13,388	1.93	32.27
1960	640	650	1979	4,150	14,100	20,000–49,999	358	10,939	4.63	26.37
1965	1,325	1,275	1980	4,225	16,000	10,000–19,999	486	6,631	6.29	15.99
1969	2,260	3,600	1981	4,375	18,300	5,000–9,999	610	4,250	7.89	10.24
1970	2,490	4,500	1982	4,825	21,000	3,500–4,999	400	1,670	5.17	4.02
1971	2,639	5,300	1983	5,600	25,000	1,000–3,499	1,617	3,108	20.92	7.50
1972	2,841	6,000	1984	6,200	30,000	500–999	1,169	832	15.12	2.00
1973	2,991	7,300	1985	6,600	32,000	250–499	1,183	426	15.30	1.02
1974	3,158	8,700	1986	7,600	37,500	Less than 250	1,759	248	22.75	.59
1975	3,506	9,800	1987	7,900	41,100					
1976	3,681	10,800	1988	8,500	42,750					

[1] As of April 1, 1988. [2] Excludes 682 systems not available by subscriber size-group.

Source: Warren Publishing, Inc., Washington, DC, *Television & Cable Factbook*, annual. (Copyright.)

No. 910. Cable and Pay TV—Summary, 1955 to 1986, and Projections, 1990 and 1995

[Cable TV for calendar year. Pay TV as of **Dec. 31** of year shown]

YEAR	CABLE TV				PAY TV					
	Avg. basic subscribers (1,000)	Avg. monthly basic rate (dol.)	Revenue [1] (mil. dol.)		Units [2] (1,000)		Monthly rate (dol.)		Pay cable units per 1,000	
			Total	Basic	Total pay [3]	Pay cable	Total pay [3]	Pay-cable	Home passed	Basic cable subscribers
1955	250	5.00	20	20	(X)	(X)	(X)	(X)	(X)	(X)
1960	750	5.00	50	50	(X)	(X)	(X)	(X)	(X)	(X)
1965	1,500	5.00	95	95	(X)	(X)	(X)	(X)	(X)	(X)
1970	5,100	5.50	345	345	(X)	(X)	(X)	(X)	(X)	(X)
1975	9,800	6.50	804	774	469	469	(X)	7.85	111	236
1976	11,000	6.75	972	901	1,021	978	(NA)	7.87	106	223
1977	12,200	7.00	1,163	1,034	1,733	1,642	8.12	7.92	122	253
1978	13,400	7.25	1,424	1,176	3,530	3,289	8.62	8.09	179	350
1979	15,000	7.50	1,814	1,362	6,409	5,732	9.37	8.44	223	413
1980	17,500	7.85	2,436	1,647	10,389	9,144	9.78	8.80	279	506
1981	21,500	8.14	3,460	2,091	17,521	15,450	10.13	9.02	376	686
1982	25,400	8.46	4,705	2,564	23,179	20,791	10.36	9.57	462	840
1983	29,450	8.76	6,160	3,096	28,115	26,418	10.25	9.84	473	843
1984	32,860	9.20	7,422	3,627	31,027	29,966	10.32	10.08	495	875
1985	35,430	10.24	8,666	4,353	31,056	30,596	10.53	10.42	473	835
1986	38,740	11.09	9,714	5,156	31,724	31,300	10.40	10.31	462	808
1990, proj	50,210	16.94	15,299	10,204	(NA)	40,100	(NA)	9.50	485	797
1995, proj	59,410	24.88	23,434	17,742	(NA)	49,100	(NA)	8.72	555	825

NA Not available. X Not applicable. [1] Includes installation revenue. [2] Individual program services sold to subscribers. [3] Includes multipoint distribution service (MDS) and satellite TV (STV).

Source: Paul Kagan Associates, Inc., Carmel, CA, *The Cable TV Financial Databook*, annual. (Copyright.)

No. 911. Radio and Television Stations Owned by Newspapers and/or Magazines: 1961 to 1987

DATE	AM radio	FM radio	TV	DATE	AM radio	FM radio	TV	DATE	AM radio	FM radio	TV
1961, Sept. 1	412	147	161	1973, Dec. 1	304	211	179	1980, Dec. 1	315	264	230
1965, Oct. 31	391	170	174	1974, Dec. 1	321	236	193	1981, Dec. 1	311	277	246
1968, Dec. 4	381	191	183	1975, Dec. 1	320	238	197	1982, Dec. 1	300	263	251
1969, Dec. 1	394	245	189	1976, Dec. 1	322	238	209	1983, Dec. 1	288	257	248
1971, Feb. 1	402	248	191	1977, Dec. 1	314	238	211	1984, Dec. 1	268	256	256
1971, Dec. 1	318	209	176	1978, Dec. 1	319	252	221	1985, Dec. 1	264	255	253
1972, Dec. 1	325	171	178	1979, Dec. 1	318	257	226	1986, Dec. 1	232	226	271
								1987, Dec. 1	195	188	260

Source: Broadcasting Publications Inc., Washington, DC, *Broadcasting Cablecasting Yearbook*. (Copyright.)

No. 912. Publishing Industry—Summary: 1977 to 1986

[**In millions of dollars, except as noted.** Number in parentheses represents Standard Industrial Classification code; see text, section 13. Based on the censuses of manufactures and the Annual Survey of Manufactures; for details, see source and Appendix III]

ITEM	NEWSPAPERS (271)				PERIODICALS (272)				BOOKS (273)			
	1977	**1982**	**1985**	**1986**	**1977**	**1982**	**1985**	**1986**	**1977**	**1982**	**1985**	**1986**
Establishments	8,867	8,846	(NA)	(NA)	2,994	3,328	(NA)	(NA)	1,744	2,130	(NA)	(NA)
With 20 or more employees	2,147	2,555	(NA)	(NA)	525	690	(NA)	(NA)	346	420	(NA)	(NA)
Employees [1] (1,000)	350	402	411	420	70	94	96	98	60	67	71	72
Payroll	4,306	6,555	7,905	8,381	1,020	1,986	2,555	2,711	830	1,327	1,672	1,776
Value of receipts	13,056	21,276	27,015	29,206	6,057	11,478	15,246	15,719	4,794	7,740	10,196	10,732
Cost of materials	3,539	6,006	6,585	7,024	2,289	4,566	5,580	5,558	1,544	2,420	3,021	3,100
Value added [2]	9,519	15,275	20,426	22,169	3,763	6,911	9,678	10,196	3,262	5,292	7,396	7,756
New capital exp	478	1,029	1,430	1,296	79	195	340	274	80	174	232	200
Fixed assets, gross value	5,026	8,701	11,378	(NA)	725	1,370	2,052	(NA)	680	1,109	1,432	(NA)
Inventories, Dec. 31	382	755	834	784	350	724	818	784	992	1,380	1,695	[illegible]

NA Not available. [1] Represents the average number of production workers plus the number of other employees in mid-March. [2] By manufacture, derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments. This result is then adjusted by the addition of value added by merchandising operations, plus the net change in finished goods and work-in-process inventories between the beginning and the end of the year.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, Industry Reports, series MC82-I-27A, and *1986 Annual Survey of Manufactures*, M86(AS)-1.

No. 913. NEWSPAPERS AND PERIODICALS—NUMBER, BY TYPE: 1965 TO 1988

[Data refer to year of compilation of the Directory cited as the source, i.e., generally to year preceding year shown. See also *Historical Statistics, Colonial Times to 1970*, series R 232-243]

TYPE	1965	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Newspapers [1]	**11,383**	**11,383**	**11,400**	**9,620**	**9,183**	**9,205**	**9,151**	**9,134**	**9,144**	**9,031**	**10,088**
Semiweekly	357	423	506	537	498	508	525	517	495	510	555
Weekly	8,989	8,903	8,824	7,159	6,806	6,855	6,798	6,811	6,857	6,750	7,438
Daily	1,843	1,838	1,819	1,744	1,740	1,735	1,711	1,701	1,651	1,646	1,745
Periodicals [1]	**8,990**	**9,573**	**9,657**	**10,236**	**10,688**	**10,952**	**10,809**	**11,090**	**11,328**	**11,593**	**11,229**
Weekly	1,716	1,856	1,918	1,716	1,672	1,626	1,376	1,367	1,383	1,400	880
Semimonthly [2]	550	589	537	645	689	724	658	801	789	858	619
Monthly	4,195	4,314	4,087	3,985	4,078	4,108	4,096	4,088	4,066	4,031	4,192
Bimonthly	876	957	1,009	1,114	1,237	1,307	1,348	1,361	1,387	1,402	1,558
Quarterly	1,030	1,108	1,093	1,444	1,554	1,627	1,711	1,759	1,895	1,984	2,245

[1] Includes other not shown separately. [2] Includes fortnightly (every two weeks).

Source: Gale Research Inc., Ft. Lauderdale, FL, *Gale Directory of Publications, 1988.* (Copyright.)

No. 914. NUMBER AND CIRCULATION OF DAILY AND SUNDAY NEWSPAPERS: 1965 TO 1987

[Number of newspapers as of the following dates: **1965, Jan. 1; 1970-1986, Feb. 1** of the following year. Circulation figures as of **Sept. 30,** except **1960 and 1965** as of **Oct. 1.** For English language newspapers only. See also *Historical Statistics, Colonial Times to 1970*, series R 224-231]

TYPE	1965	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
NUMBER OF NEWSPAPERS													
Daily: Total [1]	1,751	1,748	1,756	1,756	1,763	1,745	1,730	1,711	1,701	1,688	1,676	1,657	1,645
Morning	320	334	339	355	382	387	408	434	446	458	482	499	511
Evening	1,444	1,429	1,436	1,419	1,405	1,388	1,352	1,310	1,284	1,257	1,220	1,188	1,166
Sunday	562	586	639	696	720	736	755	768	772	783	798	802	820
CIRCULATION (mil.)													
Daily: Total [1]	60.4	62.1	60.7	62.0	62.2	62.2	61.4	62.5	62.6	63.1	62.8	62.5	62.8
Morning	24.1	25.9	25.5	27.7	28.6	29.4	30.6	33.2	33.8	35.4	36.4	37.4	39.1
Evening	36.3	36.2	35.2	34.3	33.6	32.8	30.9	29.3	28.8	27.7	26.4	25.1	23.7
Sunday	48.6	49.2	51.1	54.0	54.4	54.7	55.2	56.3	56.7	57.5	58.8	58.9	60.1

[1] All-day newspapers are counted in both morning and evening columns but only once in total. Circulation is divided equally between morning and evening.

Source: Editor & Publisher Co., New York, NY, *Editor & Publisher International Year Book*, annual. (Copyright.)

No. 915. NUMBER AND CIRCULATION OF DAILY NEWSPAPERS, BY POPULATION-SIZE CLASS OF CITY: 1975 TO 1987

[Number of newspapers as of **Feb. 1** of the following year. Circulation as of **Sept. 30.** For English language newspapers only. See table 38 for number of cities by population size]

TYPE OF DAILY AND POPULATION-SIZE CLASS	NUMBER [1]						NET PAID CIRCULATION [1] (1,000)					
	1975	1980	1984	1985	1986	1987	1975	1980	1984	1985	1986	1987
Morning dailies, total	**339**	**387**	**458**	**482**	**499**	**511**	**25,491**	**29,413**	**35,424**	**36,361**	**37,441**	**39,123**
In cities of—												
1,000,001 or more	14	20	14	22	23	28	7,159	8,795	4,641	9,367	10,167	12,169
500,001 to 1,000,000	25	27	24	24	27	25	5,581	5,705	6,609	6,897	7,331	5,915
100,001 to 500,000	89	99	128	121	124	123	7,836	8,996	16,876	12,197	12,087	12,542
50,001 to 100,000	69	75	83	87	88	92	2,619	2,973	3,402	3,653	3,701	3,946
25,001 to 50,000	67	64	74	83	86	89	1,422	1,701	1,994	2,145	2,257	2,411
Less than 25,000	75	102	135	145	151	157	874	1,243	1,897	2,099	1,897	2,141
Evening dailies, total	**1,436**	**1,388**	**1,257**	**1,220**	**1,188**	**1,166**	**35,166**	**32,788**	**27,657**	**26,407**	**25,061**	**23,702**
In cities of—												
1,000,001 or more	12	11	7	8	9	9	4,156	2,984	1,794	2,169	1,977	1,662
500,001 to 1,000,000	24	23	15	14	14	14	4,573	4,101	1,949	1,626	1,628	1,636
100,001 to 500,000	127	123	112	102	98	87	8,916	8,178	7,857	6,987	6,423	5,570
50,001 to 100,000	175	156	133	127	122	112	5,379	4,896	4,177	3,942	3,767	3,499
25,001 to 50,000	248	246	236	229	225	221	4,898	5,106	4,789	4,606	4,542	4,438
Less than 25,000	850	829	754	740	720	722	7,242	7,523	7,087	7,075	6,719	6,890

[1] All-day newspapers are counted in both morning and evening columns; circulation is divided equally between morning and evening.

Source: Editor & Publisher Co., New York, NY, *Editor & Publisher International Year Book*, annual. (Copyright.)

No. **916.** Daily and Sunday Newspapers—Number and Circulation, by State: 1987

[Number of newspapers as of **Feb. 1** of the following year. Circulation figures as of **Sept. 30.** For English language newspapers only. New York, Massachusetts, and Virginia Sunday newspapers include national circulation]

STATE	DAILY			SUNDAY		STATE	DAILY			SUNDAY	
	Number	Circulation [1]		Number	Net paid circulation (1,000)		Number	Circulation [1]		Number	Net paid circulation (1,000)
		Net paid (1,000)	Per capita [2]					Net paid (1,000)	Per capita [2]		
Total	**1,645**	**62,826**	**.26**	**820**	**60,112**	Missouri	47	1,338	.26	19	1,311
						Montana	11	189	.23	7	187
Alabama	27	754	.18	20	766	Nebraska	19	474	.30	7	439
Alaska	8	129	.25	4	142	Nevada	7	263	.26	4	314
Arizona	19	704	.21	11	751	New Hampshire	9	219	.21	4	142
Arkansas	32	532	.22	16	592	New Jersey	25	1,707	.22	20	1,933
California	118	6,395	.23	61	6,341	New Mexico	19	306	.20	13	276
Colorado	26	945	.29	10	1,098	New York	72	7,846	.44	35	5,848
Connecticut	23	871	.27	11	824	North Carolina	54	1,443	.23	29	1,353
Delaware	3	144	.22	2	166	North Dakota	10	189	.28	7	183
District of Columbia	2	853	1.37	1	1,097	Ohio	87	2,815	.26	31	2,798
Florida	48	2,985	.25	35	3,494	Oklahoma	51	774	.24	42	891
Georgia	35	1,112	.18	17	1,228	Oregon	20	648	.24	10	651
Hawaii	6	242	.22	5	258	Pennsylvania	93	3,328	.28	25	2,946
Idaho	12	205	.21	9	243	Rhode Island	7	298	.30	3	302
Illinois	70	2,699	.23	24	2,700	South Carolina	17	649	.19	12	666
Indiana	73	1,531	.28	20	1,316	South Dakota	12	169	.24	4	134
Iowa	37	739	.26	11	752	Tennessee	28	978	.20	15	1,063
Kansas	46	544	.22	18	494	Texas	108	3,579	.21	96	4,398
Kentucky	24	663	.18	13	670	Utah	6	280	.17	6	317
Louisiana	28	798	.18	22	899	Vermont	8	126	.23	3	95
Maine	9	291	.25	2	180	Virginia	36	2,503	.42	15	942
Maryland	14	701	.15	6	649	Washington	26	1,156	.25	15	1,139
Massachusetts	45	2,103	.36	12	1,730	West Virginia	23	439	.23	10	392
Michigan	52	2,565	.28	15	2,470	Wisconsin	35	1,174	.24	14	1,078
Minnesota	25	930	.22	12	1,066	Wyoming	10	97	.20	4	74
Mississippi	23	405	.15	12	308						

[1] Circulation figures based on the principal community served by a newspaper which is not necessarily the same location as the publisher's office. [2] Per capita based on total resident population estimated as of July 1, 1987.

Source: Editor & Publisher Co., New York, NY, *Editor & Publisher International Year Book,* annual (copyright).

No. **917.** Copyright Registration, by Subject Matter: 1985 to 1987

[**In thousands.** For years ending **Sept. 30.** Comprises claims to copyright registered for both U.S. and foreign works. See also *Historical Statistics, Colonial Times to 1970,* series W 82-95]

SUBJECT MATTER OF COPYRIGHT	1985	1986	1987	SUBJECT MATTER OF COPYRIGHT	1985	1986	1987
Total	**539.8**	**561.0**	**582.2**	Sound recordings	22.7	29.0	31.9
				Renewals	43.8	45.3	45.5
Monographs [1]	154.5	148.2	153.9	Musical works [2]	147.9	156.3	161.8
Semiconductor chip products	.9	1.0	1.0	Works of the visual arts [3]	50.0	51.2	57.1
Serials	120.0	130.0	131.0				

[1] Includes computer software and machine readable works. [2] Includes dramatic works, accompanying music, choreography, pantomimes, motion pictures and filmstrips. [3] Two-dimensional works of fine and graphic art, including prints and art reproductions; sculptural works; technical drawings and models; photographs; commercial prints and labels; works of applied arts, cartographic works and multimedia works.

Source: The Library of Congress, *Annual Report.*

No. **918.** Advertising—Estimated Expenditures: 1950 to 1987

[**In millions of dollars.** See also *Historical Statistics, Colonial Times to 1970,* series T 444-446]

YEAR	Total	National	Local	YEAR	Total	National	Local	YEAR	Total	National	Local
1950	5,700	3,260	2,440	1973	24,980	13,700	11,280	1980	53,550	29,815	23,735
1955	9,150	5,380	3,770	1974	26,620	14,700	11,920	1981	60,430	33,890	26,540
1960	11,960	7,305	4,655	1975	27,900	15,200	12,700	1982	66,580	37,785	28,795
1965	15,250	9,340	5,910	1976	33,300	18,355	14,945	1983	75,850	42,525	33,325
1970	19,550	11,350	8,200	1977	37,440	20,595	16,845	1984	87,820	49,690	38,130
1971	20,700	11,755	8,945	1978	43,330	23,720	19,610	1985	94,750	53,355	41,395
1972	23,210	12,980	10,230	1979	48,780	26,695	22,085	1986	102,140	56,850	45,290
								1987	109,650	60,625	49,025

Source: McCann-Erickson, Inc., New York, NY. Compiled for Crain Communications, Inc. In *Advertising Age* (copyright).

NO. 919. ADVERTISING—INDEXES OF NATIONAL ADVERTISING EXPENDITURES, BY MEDIUM: 1970 TO 1987

[1967 = 100. Based on the average monthly expenditure for those major media which give national coverage. See also *Historical Statistics, Colonial Times to 1970*, series T 472–484]

MEDIUM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
General index	**112**	**143**	**236**	**269**	**298**	**332**	**368**	**413**	**481**	**498**	**521**	**539**
Network television	114	158	273	316	353	381	422	478	572	554	573	584
Spot television	125	164	261	291	330	378	441	485	555	608	665	693
Magazines	104	118	209	236	253	284	298	340	396	414	427	450
Weeklies	95	94	178	204	218	245	255	294	342	353	357	376
Women's	107	130	238	259	277	302	321	374	429	459	488	502
Monthlies	120	155	246	280	304	347	368	404	480	501	517	559
Newspapers	105	131	182	209	232	267	290	323	364	396	399	413

Source: McCann-Erickson, Inc., New York, NY. Compiled for Crain Communications, Inc. In *Advertising Age* (copyright).

NO. 920. ADVERTISING—ESTIMATED EXPENDITURES, BY MEDIUM: 1970 TO 1987

[**In millions of dollars, except percent.** See text, section 18 for a discussion of types of advertising. See also *Historical Statistics, Colonial Times to 1970*, series R 106–109, R 123–126, and T 444–471]

MEDIUM	EXPENDITURES								PERCENT			
	1970	1980	1982	1983	1984	1985	1986	1987	1970	1980	1985	1987
Total	**19,550**	**53,550**	**66,580**	**75,850**	**87,820**	**94,750**	**102,140**	**109,650**	**100.0**	**100.0**	**100.0**	**100.0**
National	11,350	29,815	37,785	42,525	49,690	53,355	56,850	60,625	58.1	55.7	56.3	55.3
Local	8,200	23,735	28,795	33,325	38,130	41,395	45,290	49,025	41.9	44.3	43.7	44.7
Newspapers	5,704	14,794	17,694	20,582	23,522	25,170	26,990	29,412	29.2	27.6	26.5	26.8
National	891	1,963	2,452	2,734	3,081	3,352	3,376	3,494	4.6	3.7	3.5	3.2
Local	4,813	12,831	15,242	17,848	20,441	21,818	23,614	25,918	24.6	24.0	23.0	23.6
Magazines	1,292	3,149	3,710	4,233	4,932	5,155	5,317	5,607	6.6	5.9	5.4	5.1
Weeklies	617	1,418	1,659	1,917	2,224	2,297	2,327	2,445	3.2	2.6	2.4	2.2
Women's	301	782	904	1,056	1,209	1,294	1,376	1,417	1.5	1.5	1.4	1.3
Monthlies	374	949	1,147	1,260	1,499	1,564	1,614	1,745	1.9	1.8	1.6	1.6
Farm publications	62	130	148	163	181	186	192	196	.3	.2	.2	.2
Television	3,596	11,469	14,636	16,759	19,848	21,022	22,881	23,904	18.4	21.4	22.2	21.8
Three networks	1,658	5,130	6,144	6,955	8,318	8,060	8,342	8,500	8.5	9.6	8.5	7.8
Cable networks	(NA)	45	181	282	458	594	676	760	(NA)	.1	.6	.7
Syndication (national)	(NA)	50	150	300	420	520	600	762	(NA)	.1	.5	.7
Spot (national)	1,234	3,269	4,364	4,827	5,488	6,004	6,570	6,846	6.3	6.1	6.3	6.2
Spot (local)	704	2,967	3,765	4,345	5,084	5,714	6,514	6,833	3.6	5.5	6.0	6.2
Cable (non-network)	(NA)	8	32	50	80	130	179	203	(NA)	(Z)	.1	.2
Radio	1,308	3,702	4,670	5,210	5,817	6,490	6,949	7,206	6.7	6.9	6.9	6.6
Network	56	183	255	296	320	365	423	413	.3	.3	.4	.4
Spot	371	779	923	1,038	1,197	1,335	1,348	1,330	1.9	1.5	1.4	1.2
Local	881	2,740	3,492	3,876	4,300	4,790	5,178	5,463	4.5	5.1	5.1	5.0
Direct mail	2,766	7,596	10,319	11,795	13,800	15,500	17,145	19,111	14.1	14.2	16.4	17.4
Business papers	740	1,674	1,876	1,990	2,270	2,375	2,382	2,458	3.8	3.1	2.5	2.2
Outdoor	234	578	721	794	872	945	985	1,025	1.2	1.1	1.0	.9
Miscellaneous	3,848	10,458	12,806	14,324	16,578	17,907	19,299	20,731	19.7	19.5	18.9	18.9

NA Not available. Z Less than .05.

Source: McCann-Erickson, Inc., New York, NY. Compiled for Crain Communications, Inc. In *Advertising Age* (copyright). Percentages derived by U.S. Bureau of the Census.

NO. 921. MAGAZINE ADVERTISING—EXPENDITURES, BY PRODUCT TYPE: 1970 TO 1987

[**In millions of dollars, except percent.** Space cost based on one-time rate; special rates used where applicable. Year-to-year data not strictly comparable, as a few minor publications are added or deleted]

TYPE OF PRODUCT	1970	1980	1982	1983	1984	1985	1986	1987	PERCENT DISTRIBUTION		
									1970	1980	1987
Expenditures	**1,193**	**2,846**	**3,421**	**3,939**	**4,668**	**4,961**	**5,120**	**5,390**	**100.0**	**100.0**	**100.0**
Apparel, footwear, and accessories	51	112	154	206	240	251	291	323	4.3	3.9	6.0
Automotive [1]	97	230	333	405	473	549	597	678	8.1	8.0	12.6
Beer, wine, and liquor	98	239	258	243	230	240	225	208	8.2	8.4	3.9
Computers, office equipment, stationery	32	79	141	194	321	250	219	247	2.7	2.8	4.6
Consumer services [2]	74	190	233	329	411	463	484	491	6.2	6.7	9.1
Drugs and remedies	38	79	89	105	129	135	148	142	3.2	2.8	2.6
Food and food products	86	199	240	263	289	342	389	377	7.2	7.0	7.0
Household equipment and supplies	34	65	66	81	98	100	93	97	2.8	2.3	1.8
Household furnishings	38	73	81	94	94	87	103	111	3.2	2.0	2.1
Jewelry, optical goods, camera	30	79	80	95	107	101	113	121	2.5	2.8	2.2
Mail orders	(NA)	(NA)	(NA)	(NA)	292	328	363	407	(NA)	(NA)	7.6
Publishing and media	38	146	156	182	159	188	176	186	3.2	5.1	3.4
Retail	53	(NA)	(NA)	(NA)	128	121	143	138	4.4	(NA)	2.6
Smoking materials	65	290	358	398	423	383	322	334	5.4	10.2	6.2
Toiletries and toilet goods	119	206	241	279	334	385	390	455	10.0	7.2	8.4
Travel, hotels, and resorts	54	123	153	174	212	245	249	273	4.5	4.3	5.1
All other	289	736	838	891	728	793	815	802	24.2	25.9	14.9

NA Not available. [1] Includes accessories and equipment. [2] Includes business services.

Source: Publishers Information Bureau, Inc., New York, NY, as compiled by Leading National Advertisers.

No. 922. Television—Expenditures for Network Advertising: 1980 to 1987

[**In millions of dollars.** See text, section 18 for a definition of network advertising]

TYPE OF PRODUCT	1980	1985	1986	1987
Expenditures	5,147	8,313	8,600	8,814
Apparel, footwear, and accessories	131	161	181	197
Automotive	529	848	927	1,029
Beer and wine	242	428	535	514
Building material, equipment, fixtures	59	97	88	90
Computers, office equipment, and stationery	57	249	222	180
Confectionery, soft drinks	281	388	359	384
Consumer services	178	303	379	392
Dept. and discount stores	94	161	139	97
Food and food products	844	1,502	1,513	1,615
Freight and industrial development	7	40	27	26
Gas, lubricants, etc.	71	49	45	52
Home electronics equipment	50	36	40	47

TYPE OF PRODUCT	1980	1985	1986	1987
Horticulture	15	30	29	40
Household equipment, supplies, and furnishings	225	275	335	330
Insurance	74	99	131	159
Financial planning services	20	60	79	81
Jewelry and cameras [1]	119	129	139	148
Laundry soaps, cleansers, and polishes	306	397	398	322
Movies	103	138	143	146
Pet products	144	175	157	151
Proprietary medicines	430	700	761	773
Publishing and media	34	50	49	39
Restaurants and drive-ins	132	416	439	498
Tobacco products and supplies	8	6	1	1
Toiletries and toilet goods	765	955	874	888
Toys and sporting goods	93	152	138	128
Travel, hotels, and resorts	72	102	113	125
All other	64	367	359	394

[1] Includes optical goods.

Source: Television Bureau of Advertising, Inc., New York, NY. Data compiled by Broadcast Advertisers Reports, Inc., New York, NY.

No. 923. Television—Estimated Time Charges for Spot Advertising: 1980 to 1987

[**In millions of dollars.** Data represent activity in the top 75 markets monitored by Broadcast Advertisers Reports, Inc. (BAR), currently covering approximately 329 stations. See text, section 18 for a definition of types of advertising]

TYPE OF PRODUCT	1980	1985	1986 [1]	1987 [1]
Estimated time charges	2,496	4,504	4,929	5,131
Agriculture and farming	15	17	24	23
Apparel, footwear, and accessories	105	95	64	61
Automotive	228	683	934	1,152
Beer and wine	156	218	243	237
Building material, equipment, and fixtures	47	58	68	76
Computers, office equipment, and stationery	15	25	34	32
Confectionery, soft drinks	212	355	376	373
Consumer services	83	262	304	264
Food and food products	507	927	977	987
Freight and industrial development	5	36	50	21
Gasoline, lubricants, etc	50	102	111	124

TYPE OF PRODUCT	1980	1985	1986 [1]	1987 [1]
Home electronics equipment	73	67	79	87
Horticulture	35	37	38	50
Household equipment, supplies, and furnishings	133	217	200	187
Insurance	34	88	118	118
Jewelry, optical goods, and cameras	55	68	58	49
Laundry soaps, polishes	111	175	160	136
Pet products	33	60	55	51
Proprietary medicines	93	148	144	194
Publishing and media	78	147	167	189
Tobacco products, suppliers	8	14	15	6
Toiletries and toilet goods	223	267	230	255
Toys and sporting goods	104	211	212	221
Travel, hotels, and resorts	76	187	230	205
All other	17	40	38	43

[1] Excludes National Syndicated activity; therefore, not completely comparable to prior years.

No. 924. Television—Expenditures for Retail/Local Advertising: 1980 to 1987

[**In millions of dollars.** See headnote, table 923]

TYPE OF PRODUCT	1980	1985	1986	1987
Expenditures	1,983	3,899	4,445	4,677
Amusements, entertainment	68	121	128	121
Appliance stores, repair	38	122	142	144
Auto repair, service stations	26	73	80	87
Auto supply, accessory stores	12	41	39	45
Auto, truck dealers	99	311	339	371
Banks, S&L associations	141	195	210	202
Builders, real estate	26	41	38	40
Carpet, floor covering stores	24	40	44	52
Clothing stores	46	82	112	116
Department stores	131	186	177	168
Discount department stores	74	115	113	123
Drug stores	26	67	78	79
Education services	17	70	86	99
Food stores, supermarkets	149	259	303	346
Furniture stores	111	187	195	219
Gas, electric, water companies	16	38	42	46
Hardware stores	19	20	17	26
Health clubs, reducing salons	21	39	42	52

TYPE OF PRODUCT	1980	1985	1986	1987
Home building contractors building supplies	35	91	93	96
Hotels, resorts, U.S.	18	62	73	71
Financial planning services	7	29	34	38
Jewelry stores	19	25	27	23
Legal services	5	38	47	59
Leisure time stores and services	42	107	118	124
Loan, mortgage companies	12	25	24	23
Mail order, catalog showrooms	13	23	18	16
Medical, dental services	13	87	114	130
Movies	102	103	135	177
Newspapers	15	32	33	39
Optical services, supplies	14	28	47	74
Political	70	22	161	25
Radio, cable TV	69	134	147	150
Rental services (non-auto)	15	38	43	39
Restaurants, drive-ins	288	672	745	801
Shoe stores	27	37	43	47
Shopping centers, ass'ns	13	20	21	22
Sport, hobby, toy stores	23	41	40	43
All other	137	278	298	348

Source of tables 923 and 924: Television Bureau of Advertising, Inc., New York, NY. Data compiled by Broadcast Advertisers Reports, Inc., New York, NY in the top 75 markets.

Section 19

Energy

This section presents statistics on fuel resources, energy production and consumption, electric energy, hydroelectric power, nuclear power, solar energy, wood energy and the electric and gas utility industries. The principal sources are the U.S. Department of Energy's Energy Information Administration (EIA), the Edison Electric Institute, Washington, DC, and the American Gas Association, Arlington, VA. The Department of Energy was created in October 1977 and assumed and centralized the responsibilities of all or part of several agencies including the Federal Power Commission (FPC), the U.S. Bureau of Mines, the Federal Energy Administration, and the U.S. Energy Research and Development Administration. For additional data on transportation, see section 21; on fuels, see section 25; and on energy-related housing characteristics, see section 26.

The EIA, in its *Annual Energy Review,* provides statistics and trend data on energy supply, demand, and prices. Information is included on petroleum and natural gas, coal, electricity, hydroelectric power, nuclear power, solar, wood, and geothermal energy. Among its annual reports are *Annual Energy Review, Electric Power Annual, Natural Gas Annual, Petroleum Supply Annual, State Energy Data Report, Energy Price and Expenditure Report, Financial Statistics of Selected Electric Utilities, Historical Capital Costs and Annual Production Expenses, Residential Energy Consumption Survey, Performance Profiles of Major Energy Producers, Typical Electric Bills, Annual Energy Outlook,* and *International Energy Annual.* These various publications contain State, national, and international data on production of electricity, net summer capability of generating plants, fuels used in energy production, energy sales and consumption, hydroelectric power, construction costs and production expenses of power plants, and depreciation practices. The EIA also issues the *Monthly Energy Review,* which presents current supply, disposition, and price data, and separate weekly and monthly publications on petroleum, coal, natural gas, and electric power. Data on residential energy consumption, expenditures, and conservation activities are available from EIA's Residential Energy Consumption Survey and are published triennially in *Residential Energy Consumption Survey: Consumption and Expenditures,* and *Residential Energy Consumption Survey: Housing Characteristics,* and several other reports.

The Edison Electric Institute's monthly bulletin and annual *Statistical Year Book of the Electric Utility Industry for the Year* contain data on the distribution of electric energy by public utilities; information on the electric power supply, expansion of electric generating facilities, and the manufacture of heavy electric power equipment is presented in the annual *Year End Summary of the Electric Power Situation in the United States.* The American Gas Association, in its monthly and quarterly bulletins and its yearbook, *Gas Facts,* presents data on gas utilities, including sales, revenues, customers, prices, and other financial and operating statistics. A wide range of petroleum statistics are provided in the American Petroleum Institute publication *Basic Petroleum Data Book.*

Btu conversion factors.—Various energy sources are converted from original units (e.g., short tons, cubic feet, barrels, kilowatthours) to the thermal equivalent using British thermal units (Btu). A Btu is the amount of energy required to raise the temperature of 1 pound of water 1 degree Fahrenheit (F) at or near 39.2 degrees F. Factors are calculated annually from the latest final annual data available; some are revised as a result. The following list provides conversion factors used in 1986 for production and consumption, in that order, for various fuels: Petroleum, 5.800 and 5.418 mil. Btu per barrel; total coal, 21.913 and 21.462 mil. Btu per short ton; and natural gas (dry), 1,030 and 1,030 Btu per cubic foot. The factors for the production of nuclear power and geothermal power were 10,807 and 21,263 Btu per kilowatthour, respectively. The fossil fuel steam-electric power plant generation factor of 10,320 Btu per kilowatthour was used for hydroelectric power generation and for wood and waste, wind, photovoltaic, and solar thermal energy consumed at electric utilities.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

No. 925. Total Horsepower of All Prime Movers: 1950 to 1987

[In **millions, except percent.** As of **January,** except as noted. Prior to 1960, excludes **Alaska and Hawaii,** except as noted. Prime movers are mechanical engines and turbines, and work animals, which originally convert fuels or force (as wind or falling water) into work and power. Electric motors, which obtain their power from prime movers, are excluded to avoid duplication. See also *Historical Statistics, Colonial Times to 1970,* series S 1-14]

YEAR	Total horsepower	AUTOMOTIVE [1] [2]		NONAUTOMOTIVE							
		Total	Percent of total	Total	Factories [3]	Mines [3]	Railroads [4]	Merchant ships and sailing vessels	Farms	Electric central stations [2]	Aircraft [4] [5]
1950	4,868	4,404	90.5	464	33	22	111	[6] 23	165	86	[6] 22
1955	7,158	6,632	92.7	526	36	31	60	[6] 24	212	138	[6] 26
1960	11,008	10,367	94.2	641	42	35	47	24	240	217	37
1965	15,096	14,306	94.8	790	48	40	44	24	272	307	55
1970	20,408	19,325	94.7	1,083	54	45	54	22	290	435	183
1973	24,262	23,029	94.9	1,233	58	46	57	20	308	562	182
1974	24,516	23,224	94.7	1,292	59	46	61	21	315	605	185
1975	25,100	23,752	94.6	1,348	60	47	62	22	318	654	185
1976	25,732	24,339	94.6	1,393	61	47	64	22	324	692	184
1977	26,469	25,025	94.5	1,444	62	47	62	23	328	728	184
1978	27,379	25,892	94.6	1,487	63	48	64	25	[7] 335	754	198
1979	28,162	26,617	94.5	1,545	63	48	62	26	342	803	201
1980	28,922	27,362	94.6	1,564	64	48	63	28	345	806	210
1981	29,507	27,909	94.6	1,598	64	48	65	29	345	835	212
1982	30,495	28,852	94.6	1,643	64	48	64	29	352	854	232
1983	31,337	29,662	94.7	1,675	64	47	62	29	356	877	240
1984	31,819	30,117	94.7	1,702	65	47	61	30	359	886	254
1985	32,529	30,792	94.7	1,737	65	47	58	29	358	912	266
1986	32,660	30,893	94.6	1,767	65	47	56	29	358	942	270
1987	33,266	31,488	94.7	1,778	65	47	53	29	357	958	269

[1] Includes passenger cars, trucks, buses, and motorcycles. [2] As of July 1. [3] Beginning 1965, data are estimates. [4] Beginning 1965, not strictly comparable with earlier years. [5] Includes private planes and commercial airlines. [6] Includes Alaska and Hawaii. [7] Includes estimates of about 3.0 million hp in work animals and 30,000 in windmills.

Source: 1950 and 1955, The Twentieth Century Fund, New York, NY, J.F. Dewhurst and Associates, *America's Needs and Resources, A New Survey,* and John A. Waring, *Transactions of Canadian Sectional Meeting, World Power Conference, 1958.* Beginning 1960, John A. Waring, Arlington, VA, unpublished estimates.

No. 926. Energy Production and Consumption, by Major Source: 1960 to 1987

[Btu=British thermal unit. For Btu conversion factors, see text, section 19. See also *Historical Statistics, Colonial Times to 1970,* series M 76-92]

YEAR	Total production (quad. Btu)	PERCENT OF PRODUCTION				Total consumption (quad. Btu)	PERCENT OF CONSUMPTION				Consumption/production ratio
		Coal	Petroleum [1]	Natural gas [2]	Other [3]		Coal	Petroleum [1]	Natural gas [2]	Other [3]	
1960	41.5	26.1	36.0	34.0	3.9	43.8	22.5	45.5	28.3	3.8	1.06
1961	42.0	24.9	36.2	34.9	4.0	44.5	21.6	45.5	29.1	3.8	1.06
1962	43.6	25.0	35.6	35.1	4.2	46.5	21.3	45.2	29.5	4.0	1.07
1963	45.9	25.8	34.8	35.4	4.0	48.3	21.5	44.9	29.8	3.7	1.05
1964	47.7	26.2	33.9	35.8	4.0	50.5	21.7	44.2	30.3	3.8	1.06
1965	49.3	26.5	33.5	35.8	4.3	52.7	22.0	44.1	29.9	4.0	1.07
1966	52.2	25.8	33.7	36.4	4.1	55.7	21.8	43.8	30.5	3.8	1.07
1967	55.0	25.1	33.9	36.5	4.4	57.6	20.7	43.9	31.2	4.2	1.05
1968	56.8	24.0	34.0	37.6	4.4	61.0	20.2	44.2	31.5	4.1	1.07
1969	59.1	23.5	33.1	38.7	4.8	64.2	19.3	44.1	32.2	4.4	1.09
1970	62.1	23.5	32.9	38.9	4.7	66.4	18.5	44.4	32.8	4.3	1.07
1971	61.3	21.5	32.7	40.5	5.3	67.9	17.1	45.0	33.1	4.8	1.11
1972	62.4	22.6	32.1	39.7	5.6	71.3	16.9	46.2	31.9	5.0	1.14
1973	62.1	22.5	31.4	39.9	6.2	74.3	17.5	46.9	30.3	5.3	1.20
1974	60.8	23.1	30.5	38.9	7.4	72.5	17.5	46.1	30.0	6.5	1.19
1975	59.9	25.0	29.6	36.8	8.6	70.5	17.9	46.4	28.3	7.4	1.18
1976	59.9	26.1	28.8	36.4	8.6	74.4	18.3	47.3	27.4	7.1	1.24
1977	60.2	26.2	23.0	36.4	8.5	76.3	18.2	48.7	26.1	7.0	1.27
1978	61.1	24.4	30.2	35.6	9.9	78.1	17.6	48.6	25.6	8.1	1.28
1979	63.8	27.5	28.4	35.0	9.1	[4] 78.9	19.1	47.1	26.2	7.7	1.24
1980	64.8	28.7	28.2	34.2	8.9	76.0	20.3	45.0	26.8	7.8	1.17
1981	64.4	28.5	28.2	34.2	9.1	74.0	21.5	43.2	26.9	8.4	1.15
1982	63.9	29.2	28.7	32.0	10.2	70.8	21.6	42.7	26.1	9.6	1.11
1983	61.2	28.2	30.1	30.6	11.2	70.5	22.6	42.6	24.6	10.2	1.15
1984	[5] 65.8	30.0	28.6	30.7	10.7	74.1	23.0	41.9	25.0	10.0	1.13
1985	64.8	29.8	29.3	29.6	11.3	74.0	23.6	41.8	24.1	10.4	1.14
1986	64.3	30.4	28.6	29.0	12.0	74.3	23.2	43.4	22.5	10.9	1.16
1987	64.6	31.2	27.3	29.5	12.0	76.0	23.7	42.9	22.6	10.8	1.18

[1] Production includes crude oil and lease condensate. Consumption includes domestically produced crude oil, natural gas liquids and lease condensate, plus imported crude oil and products. [2] Production includes natural gas liquids; consumption exclude natural gas liquids. [3] Comprised of hydropower, nuclear power, geothermal energy and other. [4] Represents peak year for U.S. energy consumption. [5] Represents peak year for U.S. energy production.

Source: U.S. Energy Information Administration, *Annual Energy Review,* and unpublished data.

NO. 927. ENERGY SUPPLY AND DISPOSITION, BY TYPE OF FUEL: 1960 TO 1987

[In quadrillion British thermal units (Btu). For Btu conversion factors, see text, section 19]

TYPE OF FUEL	1960	1970	1973	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Production	**41.5**	**62.1**	**62.1**	**59.9**	**63.8**	**64.8**	**64.4**	**63.9**	**61.2**	[1] **65.8**	**64.8**	**64.3**	**64.6**
Crude oil [2]	14.9	20.4	19.5	17.7	18.1	18.2	18.1	18.3	18.4	18.9	19.0	18.4	17.6
Natural gas liquids	1.5	2.5	2.6	2.4	2.3	2.3	2.3	2.2	2.2	2.3	2.2	2.2	2.2
Natural gas [3]	12.7	21.7	22.2	19.6	20.1	19.9	19.7	18.3	16.5	17.9	16.9	16.5	16.8
Coal	10.8	14.6	14.0	15.0	17.5	18.6	18.4	18.6	17.3	19.7	19.3	19.5	20.1
Nuclear power	(Z)	.2	.9	1.9	2.8	2.7	3.0	3.1	3.2	3.6	4.2	4.5	4.9
Hydropower	1.6	2.6	2.9	3.2	2.9	2.9	2.8	3.3	3.5	3.3	2.9	3.0	2.6
Geothermal and other	(Z)	(Z)	(Z)	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2
Net trade [4]	**-2.7**	**-5.7**	**-12.7**	**-11.8**	**-16.4**	**-12.2**	**-9.6**	**-7.5**	**-8.3**	**-9.0**	**-7.9**	**-10.4**	**-11.5**
Exports	1.5	2.7	2.1	2.4	2.9	3.7	4.3	4.6	3.7	3.8	4.2	4.1	3.9
Coal	1.0	1.9	1.4	1.8	1.8	2.4	2.9	2.8	2.0	2.2	2.4	2.2	2.1
Imports	4.2	8.4	14.7	14.1	19.6	16.0	14.0	12.1	12.0	12.8	12.1	14.4	15.4
Crude oil	2.2	2.8	6.9	8.7	13.8	11.2	9.3	7.4	7.1	7.3	6.8	9.0	10.0
Consumption	**43.8**	**66.4**	**74.3**	**70.6**	[5] **78.9**	**76.0**	**74.0**	**70.8**	**70.5**	**74.1**	**73.9**	**74.3**	**76.0**
Petroleum products	19.9	29.5	34.8	32.7	37.1	34.2	31.9	30.2	30.1	31.1	30.9	32.2	32.6
Natural gas [3]	12.4	21.8	22.5	19.9	20.7	20.4	19.9	18.5	17.4	18.5	17.8	16.7	17.2
Coal	9.8	12.3	13.0	12.7	15.0	15.4	15.9	15.3	15.9	17.1	17.5	17.3	18.0
Nuclear power	(Z)	.2	.9	1.9	2.8	2.7	3.0	3.1	3.2	3.6	4.1	4.5	4.9
Hydropower [6]	1.7	2.7	3.0	3.2	3.1	3.1	3.1	3.6	3.9	3.7	3.4	3.4	3.0
Geothermal and other	(Z)	(Z)	(Z)	.1	.1	.1	.1	.1	.1	.2	.2	.2	.3

Z Less than 50 trillion. [1] Represents peak year for U.S. energy production. [2] Includes lease condensate. [3] Dry marketed gas. [4] Exports minus imports. [5] Represents peak year for U.S. energy consumption. [6] Includes industrial generation of hydropower and net electricity imports.

Source: U.S. Energy Information Administration, *Annual Energy Review.*

NO. 928. SELECTED ENERGY INDICATORS—SUMMARY: 1960 TO 1987

[Btu = British thermal unit. For Btu conversion factors, see text, section 19]

YEAR	ANNUAL AVERAGE PERCENT CHANGE [1]									PER CAPITA [5] (mil. Btu)		Consumption per dollar GNP [4] (1,000 Btu)
	Energy production				Energy consumption				GNP [4]	Energy production	Energy consumption	
	Total [2]	Crude oil [3]	Natural gas	Coal	Total [2]	Petroleum products	Natural gas (dry)	Coal				
1960	1.4	.7	6.3	-2.6	2.4	2.9	6.6	-2.5	2.2	231	243	26.3
1965	3.5	2.0	4.5	3.8	3.8	3.1	4.9	3.3	4.6	255	272	25.2
1970	4.7	4.3	6.6	2.3	4.7	4.9	6.7	1.2	3.0	304	326	27.5
1971	-1.3	-1.8	2.6	-9.7	2.2	3.5	3.1	-5.4	2.8	296	328	27.3
1972	1.8	(z)	-.3	6.9	5.0	7.8	1.0	4.1	5.0	298	340	27.3
1973	-.6	-2.7	-.1	-.7	4.2	5.7	-.8	7.4	5.2	294	351	27.1
1974	-2.0	-4.7	-4.4	.6	-2.3	-4.0	-3.5	-2.4	-.5	285	340	26.6
1975	-1.6	-4.5	-7.4	6.5	-2.8	-2.2	-8.2	(z)	-1.3	278	327	26.2
1976	.1	-2.7	-.8	4.4	5.4	7.5	2.0	7.3	4.9	275	342	26.3
1977	.5	1.1	.5	.6	2.6	5.5	-2.1	2.5	4.7	274	347	25.8
1978	1.5	5.6	-.4	-5.4	2.4	2.3	.4	-1.1	5.3	275	352	25.1
1979	4.4	-1.8	3.0	17.6	1.0	-2.2	3.3	9.3	2.5	284	351	24.7
1980	1.5	.8	-.9	6.0	-3.7	-7.9	-1.3	2.5	-.2	285	335	23.8
1981	-.5	-.6	-1.1	-1.2	-2.6	-6.6	-2.3	3.1	1.9	281	322	22.8
1982	-.8	.9	-7.4	1.4	-4.3	-5.3	-7.1	-3.7	2.5	275	305	22.4
1983	-4.2	.5	-9.4	-7.5	-.5	-.6	-6.2	3.8	3.6	261	301	21.5
1984	7.6	2.5	8.5	14.3	5.1	3.3	6.6	7.4	6.8	278	313	21.2
1985	-1.6	.7	-5.7	-2.0	-.2	-.4	-3.7	2.4	3.4	271	310	20.5
1986	-.8	-3.2	-2.6	.9	.4	4.1	-6.3	-1.3	2.8	266	308	20.0
1987	.5	-4.3	2.2	3.1	2.4	1.3	2.8	4.3	3.4	265	312	19.9

Z Less than .05 percent. [1] Represents annual average for period of intervals shown; for 1960, change from 1955. Percent change derived from Btu values. Minus sign indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Includes types of fuel or power not shown separately. [3] Includes lease condensate. [4] Gross national product in constant (1982) dollars, see table 685. [5] Based on resident population estimated as of July 1.

Source: U.S. Energy Information Administration, *Annual Energy Review.*

No. 929. Energy Consumption—End-Use Sector and Selected Source, by State: 1986

[In trillions of Btu, except as indicated. For Btu conversion factors, see text, section 19. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	Total [1]	Per capita [2] (mil. Btu)	Percent change, 1985–1986	END-USE SECTOR: Residential	END-USE SECTOR: Commercial	END-USE SECTOR: Industrial	END-USE SECTOR: Transportation	SOURCE: Petroleum	SOURCE: Natural gas (dry)	SOURCE: Coal	SOURCE: Hydropower	SOURCE: Nuclear power
U.S.	**74,255**	**308**	**.3**	**15,279**	**11,729**	**[3] 26,471**	**20,777**	**32,196**	**16,718**	**17,245**	**3,405**	**4,475**
Region:												
Northeast	11,689	234	1.4	3,040	2,412	2,950	3,287	6,089	2,063	1,806	635	1,146
Midwest	18,509	312	−1.9	4,355	2,885	6,717	4,555	6,692	4,224	6,228	271	1,100
South	30,505	368	1.4	5,361	4,122	12,868	8,150	13,101	7,699	7,426	310	1,667
West	13,570	278	(Z)	2,520	2,311	3,955	4,784	6,315	2,736	1,784	2,186	560
New England	**2,838**	**233**	**3.4**	**815**	**585**	**585**	**852**	**1,856**	**318**	**157**	**157**	**317**
Maine	329	281	7.1	78	46	104	101	219	3	9	58	67
New Hampshire	216	211	7.6	64	33	50	69	147	11	25	22	-
Vermont	115	213	.2	31	18	28	38	65	5	1	28	22
Massachusetts	1,279	219	3.1	373	287	230	388	853	191	100	41	26
Rhode Island	195	200	−.4	59	42	38	56	113	27	1	(Z)	-
Connecticut	704	221	1.9	210	159	135	200	459	81	21	8	202
Middle Atlantic	**8,851**	**237**	**.8**	**2,225**	**1,827**	**2,365**	**2,435**	**4,233**	**1,745**	**1,649**	**478**	**829**
New York	3,397	191	1.1	955	947	640	855	1,710	750	253	466	239
New Jersey	2,182	286	2.7	474	407	506	796	1,273	363	78	[4]−3	160
Pennsylvania	3,272	275	−.9	796	473	1,219	784	1,250	632	1,318	15	430
East North Central	**13,000**	**311**	**−1.9**	**3,062**	**1,979**	**4,952**	**3,008**	**4,415**	**3,064**	**4,551**	**42**	**714**
Ohio	3,553	331	−.9	805	535	1,430	784	1,108	750	1,432	2	(Z)
Indiana	2,221	404	−3.0	413	238	1,019	551	796	399	1,149	5	-
Illinois	3,357	291	−4.1	830	617	1,190	720	1,161	944	787	1	461
Michigan	2,586	283	.2	672	390	889	635	890	689	812	15	132
Wisconsin	1,283	268	−.4	342	199	424	318	460	282	371	25	121
West North Central	**5,509**	**313**	**−1.9**	**1,293**	**906**	**1,765**	**1,547**	**2,277**	**1,160**	**1,677**	**223**	**386**
Minnesota	1,219	289	−.3	299	177	407	336	508	245	201	82	119
Iowa	894	314	−3.1	218	133	326	217	346	209	262	[4]0	32
Missouri	1,431	283	−4.0	374	262	345	451	600	244	512	21	77
North Dakota	306	451	3.1	54	39	147	67	121	27	311	34	-
South Dakota	198	279	3.0	54	30	53	60	102	23	29	59	-
Nebraska	489	306	−1.8	121	109	117	142	197	104	110	17	83
Kansas	972	396	−3.4	173	156	370	274	403	308	252	(Z)	75
South Atlantic	**11,242**	**275**	**3.8**	**2,576**	**1,921**	**3,253**	**3,490**	**4,913**	**1,318**	**3,521**	**94**	**1,288**
Delaware	214	338	3.7	40	27	88	59	126	34	66	-	-
Maryland	1,140	256	1.7	288	158	370	324	467	158	275	19	139
District of Columbia	172	275	4.7	35	73	31	33	46	30	1	-	-
Virginia	1,671	288	5.1	391	330	425	524	729	147	303	1	229
West Virginia	720	376	(Z)	124	78	379	140	250	121	877	11	-
North Carolina	1,750	276	4.4	398	273	557	521	704	140	583	26	219
South Carolina	1,081	320	8.3	218	145	443	274	357	102	264	13	385
Georgia	1,828	300	3.3	383	268	554	622	757	287	693	22	78
Florida	2,666	228	4.1	699	569	406	993	1,477	299	459	2	238
East South Central	**5,295**	**348**	**5.1**	**1,056**	**753**	**2,060**	**1,425**	**1,956**	**798**	**2,127**	**137**	**168**
Kentucky	1,301	349	9.3	258	171	531	340	465	174	750	28	-
Tennessee	1,657	345	.5	361	274	557	465	578	194	607	55	[4]−1
Alabama	1,454	359	4.4	276	194	636	348	508	210	661	54	125
Mississippi	883	337	8.4	161	114	336	272	405	220	109	-	44
West South Central	**13,968**	**520**	**−1.7**	**1,729**	**1,448**	**7,555**	**3,235**	**6,232**	**5,583**	**1,778**	**79**	**211**
Arkansas	751	317	−1.6	154	96	292	209	319	203	225	29	96
Louisiana	3,229	718	1.1	291	253	2,045	640	1,359	1,496	172	-	115
Oklahoma	1,208	365	−9.3	233	176	473	326	419	571	218	30	-
Texas	8,780	526	−1.1	1,051	923	4,745	2,060	4,135	3,313	1,163	20	-
Mountain	**3,938**	**302**	**−2.6**	**764**	**727**	**1,210**	**1,238**	**1,592**	**739**	**1,663**	**485**	**109**
Montana	315	386	−9.2	57	45	131	82	137	41	133	112	-
Idaho	329	328	−5.3	74	62	112	81	106	35	9	125	-
Wyoming	346	683	(Z)	37	35	210	65	118	79	337	12	-
Colorado	868	266	1.1	189	214	186	279	344	198	295	23	1
New Mexico	468	316	1.2	68	82	147	171	210	145	242	2	-
Arizona	839	256	2.4	173	175	190	301	336	105	296	149	108
Utah	478	288	−8.7	103	69	163	143	199	100	189	15	-
Nevada	295	305	−3.7	63	45	71	116	142	36	162	47	-
Pacific	**9,632**	**270**	**1.1**	**1,756**	**1,584**	**2,745**	**3,546**	**4,723**	**1,997**	**121**	**1,701**	**451**
Washington	1,655	371	−1.7	353	265	538	499	677	122	63	791	91
Oregon	801	296	−.5	186	144	217	253	329	73	3	434	77
California	6,471	240	1.2	1,154	1,076	1,726	2,514	3,245	1,591	43	467	283
Alaska	474	890	3.1	42	76	206	151	245	208	12	8	-
Hawaii	231	217	−1.0	21	23	58	129	227	3	(Z)	1	-

- Represents zero. Z Less than 500 billion or .05 percent. [1] Sources of energy includes geothermal, wood and wa and net interstate sales of electricity, including losses, not shown separately. [2] Based on estimated resident population as o July 1. [3] Includes −16.7 trillion Btu of net imports of coal coke not allocated by State. [4] Minus sign (−) indicates whe amount of energy expended exceeds amount of energy consumed.

Source: U.S. Energy Information Administration, *State Energy Data Report, 1960–1986.*

No. **930.** Primary Energy Consumption by End-Use Sector: 1960 to 1987

[Btu=British thermal unit. For Btu conversion factors, see text, section 19. For residential and commercial, industrial, and transportation sectors, data represent only fossil fuels consumed directly]

YEAR	Total consumption (quad. Btu)	Residential and commercial (quad. Btu)	Industrial and miscellaneous (quad. Btu)	Transportation (quad. Btu)	Electricity generation (quad. Btu)	PERCENT OF TOTAL: Residential and commercial	Industrial and miscellaneous	Transportation	Electricity generation
1960	43.8	8.8	16.3	10.6	8.2	20.0	37.1	24.1	18.7
1970	66.4	12.1	21.9	16.0	16.3	18.3	33.0	24.2	24.5
1973	74.3	12.3	23.6	18.5	19.9	16.5	31.7	25.0	26.7
1975	70.6	11.6	20.4	18.2	20.3	16.4	28.9	25.8	28.8
1978	78.1	11.9	21.9	20.6	23.7	15.2	28.0	26.3	30.4
1979	78.9	11.5	22.8	20.4	24.1	14.6	28.9	25.9	30.6
1980	76.0	10.7	21.0	19.7	24.5	14.1	27.7	25.9	32.3
1981	74.0	10.0	19.7	19.5	24.8	13.6	26.6	26.3	33.5
1982	70.8	10.1	17.4	19.0	24.3	14.2	24.6	26.9	34.2
1983	70.5	9.7	16.7	19.1	24.9	13.8	23.7	27.1	35.4
1984	74.1	10.1	18.2	19.8	25.9	13.6	24.5	26.8	35.0
1985	73.9	9.8	17.5	20.1	26.5	13.3	23.7	27.2	35.8
1986	74.3	9.6	17.3	20.7	26.7	12.9	23.2	27.9	35.9
1987, prel	76.0	9.6	17.7	21.1	27.6	12.7	23.3	27.8	36.3

Source: U.S. Energy Information Administration, *Annual Energy Review.*

No. **931.** Energy Consumption, by Sector and Primary Source: 1987

[**In trillions of Btu.** For definition of Btu, see text, section 19]

SECTOR	Total [1]	Coal [2]	Natural gas, dry	Petroleum [3]	Hydroelectric [4]	Nuclear power	Other [5]	Electricity distributed [6]	Electric energy loss [7]
End-use sectors	76,042	2,835	14,239	31,369	33	(x)	9	8,379	19,182
Residential and commercial	27,631	164	6,853	2,606	(x)	(x)	-	5,475	12,534
Industrial	27,251	2,671	6,873	8,157	33	(x)	9	2,891	6,618
Transportation	21,162	-	513	20,606	(x)	(x)	-	13	30
Electric utilities	27,559	15,188	2,941	1,257	3,009	4,920	245	(x)	(x)

- Represents zero. X Not applicable. [1] Total may not equal sum of components due to independent rounding of the components. [2] Represents anthracite, bituminous coal, and lignite. [3] Includes petroleum products, still gas, liquefied refinery gas, and natural gas liquids. [4] Industrial sector is hydroelectricity produced by the industrial sector. Electric utilities sector includes net imports of electricity. [5] Industrial sector includes net imports of coal coke. Electric utilities sector includes electricity produced from geothermal, wood, waste, wind, solar thermal, and photovoltaic sources. [6] Electrical energy used by railroads, and for street and highway lighting, is included in transportation sector. [7] Losses allocated by final end-use sector in proportion to their direct kilowatt hour usage.

Source: U.S. Energy Information Administration, *Monthly Energy Review,* February 1988.

No. **932.** Energy Expenditures and Average Fuel Prices, by Source and Sector: 1970 to 1986

[For definition of Btu, see text, section 19. End-use sector and electric utilities exclude expenditures and prices on energy sources such as hydropower, solar, wind, and geothermal. Also excludes expenditures for reported amounts of energy consumed by the energy industry for production, transportation, and processing operations]

SOURCE AND SECTOR	1970	1973	1975	1979	1980	1981	1982	1983	1984	1985	1986
EXPENDITURES (mil. dol.)											
Total [1] [2]	**83,048**	**112,271**	**173,257**	**300,475**	**377,727**	**430,676**	**429,902**	**418,741**	**443,494**	**444,914**	**380,524**
Natural gas	11,232	14,466	21,287	43,387	53,288	63,097	71,763	75,162	80,777	76,019	61,937
Petroleum products [2]	48,217	65,426	104,103	184,434	240,008	266,761	243,994	221,299	226,751	224,278	173,154
Motor gasoline	31,596	39,667	59,490	96,008	124,418	138,124	130,463	115,816	114,438	118,044	91,491
Distillate fuel oil	6,254	9,524	15,681	32,856	40,800	48,202	44,118	41,074	44,038	42,947	32,479
Jet fuel	1,440	2,000	4,192	8,603	13,923	15,607	14,974	13,940	15,064	14,747	10,504
Residual fuel	2,047	4,667	10,378	17,655	21,573	22,667	17,631	14,097	14,379	11,470	7,494
Coal	4,593	6,229	13,047	20,421	22,648	26,231	26,427	27,051	29,050	29,719	27,914
Electricity sales	23,350	33,781	50,683	82,054	98,099	116,452	127,393	134,745	147,895	154,531	150,200
Residential sector	20,082	27,075	36,845	57,929	68,827	77,928	86,634	92,020	98,668	101,332	96,138
Commercial sector	10,669	15,105	22,836	38,755	46,883	55,369	61,245	64,764	69,961	71,621	68,092
Industrial sector	16,817	24,082	42,448	80,635	98,027	112,039	107,654	104,626	115,509	110,133	91,478
Transportation sector [2]	35,480	46,009	71,129	123,156	163,990	185,340	174,168	157,331	159,357	161,826	124,816
Motor gasoline	30,525	38,598	58,036	94,105	121,819	135,380	128,105	113,843	112,044	115,201	89,372
Electric utilities	4,316	7,817	16,396	31,031	37,435	43,275	41,311	41,308	43,352	42,540	35,769
AVERAGE FUEL PRICES (dol. per mil. Btu)											
All sectors	**1.06**	**1.97**	**2.16**	**5.13**	**4.55**	**5.24**	**5.31**	**5.10**	**5.02**	**4.89**	**3.91**
Residential sector	2.12	2.73	3.83	6.05	7.55	8.93	9.92	10.81	11.15	11.42	10.92
Commercial sector	1.97	2.56	4.09	6.32	7.88	9.55	10.44	11.02	11.43	11.93	11.32
Industrial sector	.79	1.04	2.10	3.50	4.60	5.46	5.95	6.10	6.12	5.98	5.13
Transportation sector	2.32	2.58	4.04	6.21	8.62	9.85	9.45	8.46	8.25	8.27	6.16
Electric utilities	.32	.46	.96	1.48	1.75	2.00	2.01	1.97	1.97	1.85	1.56

[1] Includes electricity sales; excludes electricity generation. [2] Includes sources or fuel types, not shown separately.

Source: U.S. Energy Information Administration, *State Energy Price and Expenditure Report,* annual.

No. 933. Energy Expenditures—Source and End-Use Sector, by State: 1986

[**In millions of dollars, except per capita and percents.** End-use sector and electric utilities exclude expenditures on energy sources such as hydropower, solar, wind, and geothermal. Also excludes expenditures for reported amounts of energy consumed by the energy industry for production, transportation, and processing operations]

DIVISION AND STATE	Total [1]	Per capita [2] (dol.)	Percent change, 1985–1986	SOURCE: Petroleum products: Total	SOURCE: Petroleum products: Gasoline	SOURCE: Natural gas	SOURCE: Coal	SOURCE: Electricity sales	END-USE SECTOR: Residential	END-USE SECTOR: Commercial	END-USE SECTOR: Industrial	END-USE SECTOR: Transportation
U.S.	**380,524**	**1,578**	**−14.5**	**173,154**	**91,491**	**61,937**	**27,914**	**150,200**	**96,138**	**58,092**	**91,478**	**134,816**
N. Eng	18,449	1,448	−13.2	10,175	4,906	2,051	305	7,128	5,780	3,755	2,845	6,069
ME	1,859	1,586	−11.7	1,198	521	18	21	688	507	276	353	723
NH	1,406	1,369	−9.7	823	428	69	50	568	449	206	252	499
VT	771	1,425	−12.4	444	234	25	2	302	213	122	153	283
MA	8,226	1,410	−14.0	4,452	2,131	1,203	181	3,066	2,577	1,820	1,161	2,668
RI	1,291	1,324	−13.2	662	345	183	2	447	416	258	205	412
CT	4,896	1,533	−13.5	2,576	1,247	553	49	2,057	1,618	1,073	721	1,484
Mid. Atl	**54,491**	**1,460**	**−12.5**	**22,938**	**11,238**	**9,484**	**2,618**	**22,948**	**16,879**	**12,798**	**9,922**	**14,892**
NY	22,720	1,277	−12.1	9,243	4,740	4,218	435	10,236	7,591	6,896	2,639	5,595
NJ	13,803	1,810	−13.6	6,748	2,921	2,097	140	5,180	3,802	2,952	2,502	4,547
PA	17,968	1,511	−12.3	6,947	3,577	3,169	2,043	7,532	5,486	2,950	4,781	4,751
E. No. Cent	**69,038**	**1,655**	**−13.5**	**26,922**	**15,068**	**14,563**	**8,033**	**25,919**	**19,031**	**11,421**	**18,925**	**19,661**
OH	18,270	1,700	−13.2	6,866	3,987	3,736	2,373	7,164	5,011	3,040	5,080	5,139
IN	10,336	1,878	−14.2	4,295	2,044	1,776	1,921	3,615	2,499	1,216	3,316	3,305
IL	18,990	1,644	−13.5	7,037	3,869	4,251	1,619	7,637	5,341	3,730	5,069	4,849
MI	14,464	1,583	−13.1	5,700	3,424	3,411	1,496	5,049	4,099	2,372	3,817	4,177
WI	6,978	1,459	−13.7	3,024	1,744	1,409	624	2,454	2,081	1,063	1,643	2,190
W. No. Cent	**28,610**	**1,628**	**−14.6**	**13,537**	**7,312**	**4,553**	**2,349**	**10,130**	**7,409**	**4,621**	**6,977**	**9,603**
MN	6,449	1,531	−14.2	3,159	1,784	1,085	291	2,163	1,727	886	1,535	2,301
IA	4,780	1,677	−16.4	2,198	1,175	852	371	1,669	1,309	721	1,309	1,440
MO	7,582	1,497	−16.5	3,406	2,034	1,069	750	3,036	2,168	1,379	1,388	2,646
ND	1,433	2,110	−13.1	671	312	120	444	386	266	191	528	448
SD	1,074	1,518	−14.7	612	323	108	40	346	306	150	219	399
NE	2,493	1,560	−15.8	1,223	679	409	119	858	604	501	463	925
KS	4,799	1,952	−9.7	2,268	1,006	890	334	1,672	1,007	793	1,535	1,464
So. Atl	**61,208**	**1,495**	**−11.5**	**28,012**	**16,463**	**5,745**	**6,107**	**27,820**	**16,720**	**10,845**	**12,041**	**21,602**
DE	1,117	1,765	−16.0	589	283	145	124	438	288	163	282	384
MD	6,620	1,484	−9.9	2,986	1,860	933	458	2,661	1,876	963	1,489	2,292
DC	1,069	1,710	−7.0	288	165	201	3	584	238	435	160	236
VA	8,696	1,501	−11.9	4,261	2,387	708	512	3,605	2,356	1,662	1,388	3,290
WV	3,062	1,597	−18.1	1,379	686	500	1,315	1,023	668	392	1,120	882
NC	9,720	1,535	−8.7	4,346	2,602	645	1,077	4,616	2,585	1,604	2,218	3,313
SC	5,389	1,594	−7.5	2,125	1,322	436	481	2,712	1,394	778	1,540	1,677
GA	9,477	1,554	−12.4	4,251	2,544	1,370	1,249	3,797	2,319	1,535	2,124	3,499
FL	16,058	1,373	−13.0	7,787	4,614	807	888	8,384	4,976	3,313	1,720	6,049
E. So. Cent	**24,972**	**1,643**	**−8.6**	**10,849**	**6,403**	**2,818**	**3,413**	**10,866**	**5,629**	**3,760**	**7,066**	**8,517**
KY	6,026	1,617	−5.8	2,641	1,495	656	1,045	2,570	1,340	681	1,999	2,006
TN	8,109	1,669	−9.2	3,513	2,222	743	876	3,693	1,703	1,411	2,066	2,929
AL	6,787	1,676	−9.7	2,796	1,705	817	1,245	2,931	1,626	1,011	1,975	2,175
MS	4,050	1,543	−9.8	1,899	981	602	247	1,672	960	657	1,026	1,407
W. So. Cent	**55,313**	**2,059**	**−22.0**	**27,255**	**11,311**	**12,737**	**2,822**	**18,870**	**10,340**	**7,506**	**20,879**	**16,588**
AR	3,788	1,598	−13.6	1,704	1,002	644	355	1,472	982	527	982	1,297
LA	11,078	2,462	−22.7	5,411	1,847	2,714	309	3,467	1,783	1,404	4,922	2,969
OK	5,633	1,704	−21.0	2,333	1,343	1,628	360	2,186	1,389	934	1,470	1,841
TX	34,814	2,086	−22.7	17,807	7,119	7,751	1,798	11,745	6,186	4,641	13,504	10,483
Mt	**19,896**	**1,533**	**−14.6**	**9,168**	**5,484**	**2,768**	**2,007**	**7,898**	**4,579**	**3,892**	**3,907**	**7,518**
MT	1,309	1,603	−24.2	710	360	165	98	423	267	190	336	516
ID	1,423	1,420	−18.1	681	404	138	17	586	319	246	315	543
WY	1,329	2,622	−14.7	585	252	250	328	449	192	162	597	378
CO	4,474	1,370	−16.2	1,990	1,297	847	349	1,629	1,073	1,056	649	1,696
NM	2,380	1,596	−15.1	1,160	675	421	274	847	464	484	493	939
AZ	5,094	1,554	−7.1	2,172	1,438	380	441	2,523	1,291	1,127	769	1,907
UT	2,358	1,417	−15.5	1,061	625	405	275	839	593	393	497	875
NV	1,549	1,602	−17.5	809	433	162	225	602	380	235	251	683
Pac	**48,585**	**1,359**	**−15.4**	**24,295**	**13,305**	**7,201**	**258**	**18,624**	**9,773**	**9,492**	**8,954**	**20,366**
WA	6,306	1,413	−15.4	3,484	1,796	510	113	2,230	1,339	942	1,040	2,985
OR	3,834	1,419	−14.7	1,961	1,088	341	7	1,525	842	855	752	1,385
CA	35,358	1,309	−15.1	16,628	9,818	6,094	96	13,980	7,162	7,341	6,665	14,190
AK	1,653	3,108	−12.4	1,132	205	224	41	322	242	353	262	796
HI	1,434	1,347	−25.3	1,090	398	32	1	527	188	201	235	810

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[1] Includes sources not shown separately. Total expenditures are the sum of purchases for each source (including electricity sales) less electric utility purchases of fuel. [2] Based on estimated resident population as of July 1. [3] Includes net imports of coal coke not shown separately by State.

Source: U.S. Energy Information Administration, *State Energy Price and Expenditure Report*, annual.

No. 934. RESIDENTIAL ENERGY CONSUMPTION, EXPENDITURES, AND AVERAGE PRICES, 1979 TO 1985, AND BY REGION, 1985

[For period **April** to **March** of year stated. Excludes Alaska and Hawaii in 1979 and 1980. Covers occupied units only. Excludes household usage of gasoline for transportation and the use of wood or coal. Based on Residential Energy Consumption Survey; see Appendix III. For composition of regions, see fig. I, inside front cover. Btu=British thermal unit; see text, section 19]

TYPE OF FUEL	Unit	1979	1980	1981	1982	1983	1985				
							Total	Northeast	Midwest	South	West
CONSUMPTION											
Total	**Quad. Btu**	**10.58**	**9.74**	**9.32**	**9.51**	**8.62**	**9.04**	**2.29**	**2.80**	**2.50**	**1.45**
Avg. per household	Mil. Btu	138	126	114	114	103	105	125	129	85	85
Natural gas	Quad. Btu	5.58	5.31	4.94	5.39	4.77	4.98	.93	1.99	1.15	.91
Electricity	Quad. Btu	2.47	2.42	2.46	2.48	2.42	2.48	.41	.55	1.06	.47
Fuel oil, kerosene	Quad. Btu	2.19	1.71	1.55	1.33	1.14	1.26	.93	.13	.16	.04
Liquid petroleum gas	Quad. Btu	.33	.31	.36	.31	.29	.31	.03	.13	.12	.03
EXPENDITURES											
Total	**Bil. dol**	**55.5**	**63.2**	**74.8**	**85.0**	**87.8**	**97.0**	**26.4**	**25.1**	**30.9**	**14.6**
Avg. per household	Dollars	724	815	917	1,022	1,048	1,123	1,443	1,160	1,055	852
Natural gas	Bil. dol	15.3	17.8	19.3	24.5	27.1	29.8	6.9	11.1	6.7	5.1
Electricity	Bil. dol	29.9	32.6	40.1	45.9	48.4	54.5	12.2	11.8	21.7	8.8
Fuel oil, kerosene	Bil. dol	8.6	10.7	12.5	11.8	9.6	9.6	7.0	1.0	1.3	.3
Liquid petroleum gas	Bil. dol	1.7	2.1	2.9	2.7	2.7	3.1	.4	1.2	1.2	.4
AVERAGE PRICE (per million Btu)											
Total	**Dollars**	**5.25**	**6.49**	**8.03**	**8.93**	**10.18**	**10.73**	**11.52**	**8.96**	**12.39**	**10.02**
Natural gas	Dollars	2.74	3.36	3.90	4.55	5.67	5.97	7.43	5.59	5.81	5.55
Electricity	Dollars	12.10	13.46	16.32	18.51	19.98	22.98	29.77	21.64	20.39	18.94
Fuel oil, kerosene	Dollars	3.93	6.29	8.04	8.89	8.42	7.62	7.54	7.67	8.14	7.85
Liquid petroleum gas	Dollars	5.09	6.71	7.92	8.74	9.42	10.00	13.11	8.67	10.38	10.56

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures*, annual through 1983; beginning 1985, triennial.

No. 935. RESIDENTIAL ENERGY CONSUMPTION AND EXPENDITURES, BY TYPE OF FUEL AND SELECTED HOUSEHOLD CHARACTERISTIC: 1985

[For period **April 1984** to **March 1985**. Quad.=quadrillion. See headnote, table 934]

CHARACTERISTIC	CONSUMPTION (Btu's)					EXPENDITURES				
	Total [1] (quad.)	Avg. per household [1] (mil.)	Natural gas (quad.)	Electricity (quad.)	Fuel oil [2] (quad.)	Total [1] (bil. dol.)	Avg. per household [1] (dol.)	Natural gas (bil. dol.)	Electricity (bil. dol.)	Fuel oil [2] (bil. dol.)
Total households	**9.04**	**105**	**4.98**	**2.48**	**1.26**	**97.0**	**1,123**	**29.8**	**54.5**	**9.6**
Single family detached	6.27	117	3.46	1.80	.77	67.1	1,255	20.2	36.5	6.1
Single family attached	.45	112	.26	.11	.07	5.1	1,256	1.7	2.7	.6
2-4 unit building	.97	97	.64	.17	.16	9.5	950	4.1	4.2	1.3
5 or more unit building	.97	71	.51	.25	.21	10.3	761	3.1	5.9	1.3
Mobile home	.37	73	.12	.15	.04	4.9	947	.6	3.2	.3
Year house built:										
1939 or earlier	3.16	126	1.88	.54	.64	30.5	1,212	11.6	13.0	4.9
1940-1949	.74	106	.42	.17	.13	7.7	1,092	2.6	3.9	1.0
1950-1959	1.36	107	.80	.34	.18	14.1	1,120	4.7	7.7	1.4
1960-1964	.75	101	.40	.23	.09	8.2	1,098	2.3	4.9	.7
1965-1969	.82	99	.45	.27	.07	9.3	1,126	2.7	5.8	.6
1970-1974	.96	90	.49	.36	.05	11.5	1,079	2.9	7.7	.4
1975-1979	.88	67	.36	.41	.07	11.1	1,100	2.1	8.3	.5
1980 or later	.37	74	.15	.16	.03	4.5	903	.8	3.3	.2
Heating and cooling degree day zones: [3]										
Less than 2,000 CDD and—										
More than 7,000 HDD	1.03	114	.56	.22	.17	9.6	1,067	3.1	4.5	1.3
5,500-7,000 HDD	2.90	135	1.67	.55	.42	27.6	1,283	11.0	12.8	3.3
4,000-5,499 HDD	2.50	111	1.22	.63	.59	27.3	1,212	8.0	14.3	4.4
Less than 4,000 HDD	1.65	82	.93	.59	.05	18.1	905	5.3	11.6	.5
More than 2,000 CDD and less than 4,000 HDD	.97	73	.41	.50	(B)	14.4	1,081	2.4	11.3	(B)
1984 family income:										
Less than $5,000	.71	90	.42	.16	.10	7.0	891	2.4	3.5	.7
$5,000-$9,999	1.32	95	.70	.31	.23	13.5	964	4.1	6.8	1.8
$10,000-$14,999	1.21	92	.67	.32	.17	12.6	965	3.9	7.0	1.3
$15,000-$19,999	.90	100	.49	.23	.14	9.4	1,043	2.9	5.0	1.0
$20,000-$24,999	.84	101	.45	.24	.12	9.0	1,080	2.7	5.1	.9
$25,000-$34,999	1.65	108	.90	.50	.21	18.2	1,189	5.4	10.7	1.7
$35,000-$49,999	1.28	121	.70	.40	.16	14.5	1,368	4.3	8.8	1.3
$50,000 or more	1.13	139	.67	.33	.11	12.7	1,568	4.0	7.7	.8

B Base figure too small to meet statistical standards for reliability of derived figure. [1] Includes liquid petroleum gas, not shown separately. [2] Includes kerosene. [3] CDD=Cooling degree day; HDD=Heating degree day.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985*.

NO. 936. AVERAGE RESIDENTIAL ENERGY CONSUMPTION AND EXPENDITURES OF ALL FUELS USED, BY MAIN HEATING FUEL TYPE AND HOUSEHOLD CHARACTERISTIC: 1985

[For period **April 1984** through **March 1985**. See headnote, table 934]

HOUSEHOLD CHARACTERISTIC	CONSUMPTION PER HOUSEHOLD (mil. Btu)					EXPENDITURES PER HOUSEHOLD (dollars)				
	All house-holds [1]	Households using as main heating fuel—				All house-holds [1]	Households using as main heating fuel—			
		Natural gas	Electricity		Fuel oil [2]		Natural gas	Electricity		Fuel oil [2]
			With air condi-tioning	With-out air condi-tioning				With air condi-tioning	With-out air condi-tioning	
Total households	**105**	**124**	**56**	**53**	**126**	**1,123**	**1,119**	**1,071**	**863**	**1,422**
Region:										
Northeast	125	136	61	52	137	1,443	1,421	1,476	1,233	1,535
Midwest	129	142	70	72	124	1,160	1,154	1,151	1,284	1,296
South	85	115	54	43	90	1,055	1,121	1,047	811	1,156
West	85	99	54	53	121	852	873	916	705	1,124
Type:										
Single-family detached	117	140	70	64	137	1,255	1,272	1,289	1,046	1,562
Single-family attached	112	118	66	(B)	142	1,256	1,195	1,221	(B)	1,573
2–4 unit building	97	101	44	45	124	950	903	816	614	1,377
5 or more unit building	71	83	35	37	105	761	705	743	604	1,040
Mobile home	73	102	47	54	78	947	922	950	957	1,000
Year house built:										
1939 or earlier	126	138	64	58	138	1,212	1,177	929	809	1,502
1940 to 1949	106	114	61	(B)	130	1,092	1,030	1,231	(B)	1,473
1950 to 1959	107	119	65	40	116	1,120	1,101	1,290	622	1,386
1960 to 1964	101	118	54	49	104	1,098	1,147	1,038	792	1,128
1965 to 1969	99	121	56	49	122	1,126	1,162	1,075	797	1,483
1970 to 1974	90	119	50	58	102	1,079	1,128	987	1,061	1,303
1975 to 1979	87	119	61	53	116	1,100	1,078	1,163	916	1,419
1980 or later	74	92	47	57	112	903	827	918	913	1,190
1984 family income:										
Less than $5,000	90	112	39	40	104	891	913	771	693	1,119
$5,000–$9,999	95	115	40	46	115	964	967	772	777	1,227
$10,000–$14,999	92	106	49	50	118	965	927	960	734	1,280
$15,000–$19,999	100	117	46	46	119	1,043	1,023	937	661	1,352
$20,000–$24,999	101	113	58	61	129	1,080	1,014	1,040	1,060	1,484
$25,000–$34,999	106	127	61	61	137	1,189	1,184	1,140	923	1,541
$35,000–$49,999	121	138	75	62	145	1,368	1,331	1,401	1,124	1,742
$50,000 or more	139	164	67	65	152	1,566	1,606	1,329	1,136	1,832

B Base figure too small to meet statistical standards for reliability of derived figure. [1] Includes households using liquid petroleum gas, not shown separately. [2] Includes kerosene.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985.*

NO. 937. RESIDENTIAL ENERGY EXPENDITURES, BY TYPE OF END USE AND HOUSEHOLD CHARACTERISTIC: 1985

[For period **April 1984** through **March 1985**. See headnote, table 934]

CHARACTERISTIC	EXPENDITURES (bil. dol.)					EXPENDITURES PER HOUSEHOLD (dollars)				
	All end uses	End use				All end uses	End use			
		Space heating	Cool-ing	Water heating	Other [1]		Space heating	Cool-ing	Water heating	Other [1]
Total households	**97.0**	**36.9**	**7.5**	**14.7**	**37.8**	**1,123**	**427**	**87**	**171**	**438**
Type:										
Single-family detached	67.1	24.7	5.1	10.2	27.1	1,255	462	96	191	506
Single-family attached	5.1	2.2	.4	.7	1.9	1,256	531	95	174	456
2 to 4 unit building	9.5	4.2	.4	1.3	3.5	950	424	40	134	353
5 or more unit building	10.3	4.0	1.3	1.6	3.5	761	296	94	115	255
Mobile home	4.9	1.7	.3	.9	1.9	947	339	64	177	366
Year house built:										
1939 or earlier	30.5	14.3	1.1	4.1	11.1	1,212	566	44	162	440
1940 to 1949	7.7	3.0	.5	1.2	2.9	1,092	431	78	167	416
1950 to 1959	14.1	5.1	1.1	2.2	5.8	1,120	403	85	174	458
1960 to 1964	8.2	2.6	.8	1.3	3.4	1,098	355	113	171	459
1965 to 1969	9.3	2.9	1.0	1.4	3.9	1,126	358	126	170	472
1970 to 1974	11.5	3.9	1.3	1.9	4.4	1,079	366	121	178	414
1975 or later	15.7	5.0	1.6	2.7	6.3	1,035	331	109	179	415
1984 family income:										
Less than $5,000	7.0	3.1	.3	1.1	2.5	891	392	43	138	319
$5,000–$9,999	13.5	5.9	.7	2.0	4.8	964	426	52	141	346
$10,000–$14,999	12.6	4.8	1.0	2.0	4.8	965	366	76	155	366
$15,000–$19,999	9.4	3.6	.7	1.5	3.6	1,043	401	72	171	398
$20,000–$24,999	9.0	3.5	.6	1.4	3.5	1,080	422	74	165	419
$25,000–$34,999	18.2	6.6	1.6	2.8	7.3	1,189	428	102	180	479
$35,000–$49,999	14.5	5.0	1.3	2.2	6.0	1,368	474	118	211	565
$50,000 or more	12.7	4.3	1.4	1.7	5.2	1,566	535	173	215	646

[1] Appliance usage.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985.*

No. 938. COMMERCIAL BUILDINGS—ENERGY CONSUMPTION AND EXPENDITURES, BY MAJOR FUEL TYPE USED: 1983

[Covers buildings using one or more major fuel. Excludes industrial buildings. Excludes Alaska and Hawaii. Based on a sample survey of building representatives conducted between March and August 1983; therefore subject to sampling variability. For characteristics of commercial buildings, see also tables 1260-1262. Quad. = quadrillion]

ITEM	Unit	All major fuels	Electricity	Natural gas	Fuel oil	Propane	Purchased steam
Number of buildings using the fuel	1,000	3,774	3,764	2,239	538	250	59
Square footage of floorspace	Million	51,280	51,146	36,088	10,205	2,721	4,538
Square footage per building	1,000	13.6	13.5	16.1	19.0	10.9	77.5
Energy consumed, total	Quad. Btu	5.150	2.237	2.227	.354	.038	.294
Energy consumed per building	Mil. Btu	1,364	594	994	659	150	5,028
Energy consumed per square foot of floorspace	1,000 Btu	100	44	62	35	14	65
Energy consumed per employee	Mil. Btu	66	29	42	22	9	36
Expenditures, total	Mil. dol.	59,242	41,554	12,284	2,369	352	2,683
Expenditures per building	$1,000	15.7	11.0	5.5	4.4	1.4	45.8
Expenditures per square foot of floorspace	Dollars	1.16	.81	.34	.23	.13	.59
Expenditures per million Btu of energy consumed	Dollars	11.50	18.58	5.52	6.69	9.38	9.12

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Consumption and Expenditures, 1983.*

No. 939. COMMERCIAL BUILDINGS—ENERGY CONSUMPTION AND EXPENDITURES: 1983

[Covers buildings using one or more major fuel. Excludes industrial buildings. Excludes Alaska and Hawaii. Based on a sample survey of building representatives conducted between March and August 1983; therefore subject to sampling variability. For characteristics of commercial buildings, see tables 1260-1262. For composition of regions, see fig. I, inside front cover]

BUILDING CHARACTERISTIC	ALL BUILDINGS USING ANY MAJOR FUEL		CONSUMPTION (quadrillion Btu)			EXPENDITURES (mil. dol.)		
	Number (1,000)	Square feet (mil.)	Major fuel, total [1]	Electricity	Natural gas	Major fuel, total [1]	Electricity	Natural gas
All buildings	**3,774**	**51,280**	**5.150**	**2.237**	**2.227**	**59,242**	**41,554**	**12,284**
Year constructed:								
1900 or before	279	2,884	.194	.051	.097	2,149	1,209	583
1901 to 1920	369	5,228	.354	.112	.170	3,918	2,409	954
1921 to 1945	685	8,269	.846	.295	.384	9,355	5,874	2,183
1946 to 1960	883	9,434	.938	.362	.424	10,406	6,909	2,309
1961 to 1970	700	9,873	1.099	.496	.464	12,713	9,041	2,491
1971 to 1973	207	3,411	.366	.199	.136	4,742	3,736	761
1974 to 1979	517	6,550	.861	.423	.379	10,004	7,472	2,114
1980 to 1983	135	5,631	.491	.298	.172	5,954	4,904	889
Principal activity within building:								
Assembly	452	5,475	.377	.121	.197	4,147	2,553	1,094
Educational	177	6,044	.484	.155	.246	4,843	2,969	1,317
Food sales/services	380	2,050	.437	.222	.193	5,510	4,176	1,139
Health care	61	2,277	.465	.147	.219	4,385	2,487	1,115
Lodging	106	2,241	.365	.151	.171	3,932	2,714	875
Mercantile/services	1,055	10,347	.838	.434	.337	10,338	7,836	1,969
Office	575	8,444	1.039	.521	.371	13,097	9,866	2,031
Residential	235	2,442	.179	.042	.095	1,856	970	595
Warehouse	387	6,700	.506	.208	.248	5,530	3,786	1,358
Other	167	2,738	.276	.151	.078	3,377	2,564	405
Vacant	180	2,522	.184	.086	.073	2,226	1,634	384
Region:								
Northeast	653	11,413	.954	.345	.314	13,580	9,031	2,143
Midwest	1,157	15,718	1.922	.697	1.044	18,991	12,110	5,542
South	1,415	16,683	1.563	.849	.550	19,216	15,121	2,832
West	549	7,467	.710	.346	.319	7,454	5,292	1,767
Square footage:								
5,000 or less	2,112	4,680	.871	.332	.474	10,016	6,821	2,669
5,001 to 10,000	705	5,083	.562	.217	.285	6,323	4,168	1,692
10,001 to 25,000	560	8,795	.727	.321	.301	8,872	6,299	1,731
25,001 to 50,000	216	7,470	.695	.305	.317	8,142	5,840	1,746
50,001 to 100,000	104	6,963	.616	.291	.239	6,956	5,035	1,300
100,001 to 200,000	49	6,613	.589	.251	.237	6,468	4,444	1,233
Over 200,000	29	11,675	1.090	.520	.372	12,464	8,946	1,912

[1] Includes fuel oil, propane, and purchased steam, not shown separately.

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Consumption and Expenditures, 1983.*

NO. 940. MANUFACTURING ENERGY CONSUMPTION FOR HEAT AND POWER, BY TYPE OF FUEL AND INDUSTRY GROUP: 1985

[In trillions of Btu. Based on the Manufacturing Energy Consumption Survey; therefore subject to sampling variability]

SIC [1] code	INDUSTRY	Total consumption	Net electricity [2]	Fuel oil [3]	Natural gas	Coal and coke	Other
(X)	**Total**	**13,747.9**	**2,286.5**	**705.2**	**4,617.7**	**1,980.3**	**4,158.2**
20	Food and kindred	954.3	165.8	65.1	458.9	131.7	132.8
21	Tobacco products	19.8	4.6	2.3	3.4	9.4	.1
22	Textile mill products	248.1	88.1	21.3	91.2	38.0	9.7
23	Apparel and other textile products	32.4	15.3	2.9	12.5	1.4	.4
24	Lumber and wood products	348.9	55.1	23.4	31.4	(D)	(D)
25	Furniture and fixtures	48.6	15.2	2.7	19.6	2.1	9.1
26	Paper and allied products	2,355.6	183.6	166.9	379.7	322.5	1,302.9
27	Printing and publishing	98.6	52.5	2.4	40.6	(D)	(D)
28	Chemicals and allied products	2,460.5	445.2	100.3	1,180.9	336.4	397.7
29	Petroleum and coal products	2,426.3	120.3	134.9	690.7	7.3	1,472.9
30	Rubber and misc. plastic products	220.8	90.7	15.2	102.0	8.1	4.8
31	Leather and leather products	13.4	4.3	3.3	4.5	.9	.4
32	Stone, clay, and glass products	927.6	116.3	33.1	397.0	349.0	32.3
33	Primary metal industries	2,362.2	458.7	53.2	669.2	660.6	520.5
34	Fabricated metal products	296.2	91.2	16.7	171.6	8.7	8.0
35	Machinery, except electrical	277.6	114.2	14.6	113.7	30.6	4.5
36	Electric and electronic equipment	223.7	110.1	10.4	91.4	8.6	3.3
37	Transportation equipment	322.2	115.0	25.7	120.7	43.8	17.0
38	Instruments and related products	79.7	29.2	8.1	23.6	(D)	(D)
39	Miscellaneous manufacturing	31.3	11.4	2.6	15.4	1.3	.7

D Figure withheld to avoid disclosure. X Not applicable. [1] Standard Industrial Classification; see text, section 13. [2] Net electricity is obtained by aggregating purchases, transfers in, and generation from noncombustible renewable resources minus quantities sold and transferred out. [3] Includes distillate and residual.

Source: U.S. Energy Information Administration, *Monthly Energy Review,* January 1987.

NO. 941. FOSSIL FUEL PRICES IN CURRENT AND CONSTANT (1982) DOLLARS: 1960 TO 1987

[**In cents per million British thermal units (Btu), except as indicated.** All fuel prices taken as close to the point of production as possible. See text, section 19, for explanation of Btu conversions from mineral fuels. Minus sign (–) indicates decrease]

YEAR OR PERIOD	CURRENT DOLLARS					CONSTANT (1982) DOLLARS					GNP [3] price deflators (1982=100)
	Composite [1]	Crude oil	Natural gas	Bituminous coal [2]	Anthracite coal	Composite [1]	Crude oil	Natural gas	Bituminous coal [2]	Anthracite coal	
1960	28.3	49.7	12.6	18.8	33.8	91.6	160.8	40.8	60.8	109.4	30.9
1965	27.7	49.3	14.5	17.9	36.3	82.0	145.9	42.9	53.0	107.4	33.8
1970	31.7	54.8	15.4	26.2	48.8	75.5	130.5	36.7	62.4	116.2	42.0
1973	39.8	67.1	20.1	36.5	61.7	80.4	135.6	40.6	73.7	124.6	49.5
1975	82.5	132.2	41.1	83.9	149.5	139.1	222.9	69.3	141.5	252.1	59.3
1976	90.2	141.2	53.1	85.0	153.9	142.9	223.8	84.2	134.7	243.9	63.1
1977	100.8	147.8	72.3	87.7	153.8	149.8	219.6	107.4	130.3	228.5	67.3
1978	111.6	155.2	83.6	97.9	152.7	154.6	215.0	115.8	135.6	211.5	72.2
1979	141.7	217.9	108.1	105.3	177.2	180.3	277.2	137.5	134.0	225.4	78.6
1980	204.2	372.2	144.8	109.4	185.9	238.3	434.3	169.0	127.7	216.9	85.7
1981	274.5	547.8	179.5	117.9	190.1	292.0	582.8	191.0	125.4	202.2	94.0
1982	275.8	491.7	222.2	122.1	214.0	275.8	491.7	222.2	122.1	214.0	100.0
1983	270.1	451.6	232.3	117.2	230.0	260.0	434.6	223.6	112.8	221.4	103.9
1984	264.6	446.2	239.9	115.9	208.7	245.7	414.3	222.7	107.6	193.8	107.7
1985	251.2	415.3	225.7	114.8	204.2	225.9	373.5	203.0	103.2	183.6	111.2
1986	165.3	215.7	174.8	108.2	191.1	144.9	189.0	153.2	94.8	167.5	114.1
1987, prel	171.4	265.7	154.1	104.8	186.3	145.9	226.1	131.1	89.2	158.6	117.5
Percent change:											
1960–70	12.0	10.3	22.2	39.4	44.4	–17.6	–18.8	–10.0	2.6	6.2	35.9
1970–73	25.6	22.4	30.5	39.3	26.4	6.5	3.9	10.6	18.1	7.2	17.9
1973–75	107.3	97.0	104.5	129.9	142.3	73.0	64.4	70.7	92.0	102.3	19.8
1975–79	71.8	64.8	163.0	25.5	18.5	29.6	24.4	98.4	–5.3	–10.6	32.5
1979–80	44.1	70.8	34.0	3.9	4.9	32.2	56.7	22.9	–4.7	–3.8	9.0
1980–81	34.4	47.2	24.0	7.8	2.3	22.5	34.2	13.0	–1.8	–6.8	9.7
1981–82	.5	–10.2	23.8	3.6	12.6	–5.5	–15.6	16.3	–2.6	5.8	6.4
1982–83	–2.1	–8.2	4.5	–4.0	7.5	–5.7	–11.6	.6	–7.6	3.5	3.9
1983–84	–2.0	–1.2	3.3	–1.1	–9.3	–5.5	–4.7	–.4	–4.6	–12.5	3.7
1984–85	–5.1	–6.9	–5.9	–1.0	–2.2	–8.1	–9.8	–8.8	–4.1	–5.3	3.2
1985–86	–34.2	–48.1	–22.6	–5.7	–6.4	–35.9	–49.4	–24.5	–8.1	–8.8	2.6
1986–87	3.7	23.2	–11.8	–3.1	–2.5	.7	19.6	–14.4	–5.9	–5.3	3.0

[1] Weighted by relative importance of individual fuels in total fuels production. [2] Includes lignite. [3] GNP = Gross national product; see text, section 15.

Source: U.S. Energy Information Administration, *Annual Energy Review.*

No. 942. World Energy Consumption, by Region and Energy Source: 1960 to 1986

[**In tons of coal equivalent.** Metric ton=1.1023 short tons. Kilogram=2.205 pounds. See text, section 31 for general comments about the data]

REGION AND ENERGY SOURCE	CONSUMPTION (mil. metric tons)					PER CAPITA (kilograms)				PERCENT DISTRIBUTION			
	1960	1970	1980	1985	1986	1960	1970	1980	1986	1960	1970	1980	1986
World total	**3,924**	**6,440**	**8,544**	**9,142**	**9,322**	**1,302**	**1,748**	**1,919**	**1,896**	**100.0**	**100.0**	**100.0**	**100.0**
North America [1]	1,599	2,502	2,796	2,719	2,709	5,951	7,825	7,480	6,667	40.7	38.9	32.7	29.1
United States	1,454	2,217	2,364	2,283	2,278	8,047	10,811	10,386	9,489	37.1	34.4	27.7	24.4
South America	79	143	251	259	277	535	749	1,046	1,012	2.0	2.2	2.9	3.0
Europe	1,039	1,720	2,145	2,171	2,190	2,443	3,745	4,433	4,440	26.5	26.7	25.1	23.5
Asia	514	903	1,579	1,926	1,983	276	386	607	689	13.1	14.0	18.5	21.3
Japan	96	333	435	460	440	1,025	3,246	3,726	3,625	2.4	5.2	5.1	4.7
Soviet Union	595	999	1,473	1,716	1,797	2,777	4,132	5,549	6,389	15.2	15.5	17.2	19.3
Oceania	41	71	105	121	124	2,597	3,675	4,572	4,960	1.0	1.1	1.2	1.3
Energy source:													
Solid fuels	1,940	2,159	2,632	3,029	3,083	644	566	591	627	49.4	33.5	30.8	33.1
Liquid fuels	1,306	2,835	3,778	3,631	3,701	433	770	848	753	33.3	44.0	44.2	39.7
Natural gas	593	1,292	1,834	2,056	2,093	197	351	412	426	15.1	20.1	21.5	22.5
Electricity	84	154	301	427	445	28	42	68	91	2.1	2.4	3.5	4.8

[1] Includes Central America.

Source: Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook*, annual. (Copyright.)

No. 943. World Primary Energy Production, by Region and Type: 1973 to 1986

[**In quadrillion Btu.** Btu=British thermal units. For Btu conversion factors, see source]

REGION AND TYPE	1973	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
World total	**244.8**	**245.0**	**267.8**	**273.0**	**287.3**	**285.4**	**280.6**	**278.5**	**280.7**	**292.9**	**303.8**	**314.1**
North America	73.3	71.1	72.4	74.0	78.2	80.6	81.0	81.4	79.2	84.6	84.1	83.2
United States	62.0	59.8	60.1	61.0	63.7	64.7	64.3	63.8	61.1	65.6	64.6	64.1
Central and South America	12.9	10.6	10.9	11.2	12.2	12.1	12.0	11.9	12.0	12.7	13.4	14.1
Western Europe	19.6	21.4	24.0	24.8	27.4	28.7	29.9	30.8	32.1	32.6	35.0	35.6
Eastern Europe and Soviet Union	51.4	55.9	61.6	64.0	66.1	67.7	68.2	70.4	72.3	74.0	78.5	81.7
Middle East	46.6	43.5	49.8	47.2	48.5	41.8	36.6	29.5	27.2	27.1	25.7	30.8
Africa	14.8	13.3	16.4	16.5	18.1	17.2	14.9	15.0	15.8	16.6	18.1	17.8
Far East and Oceania	26.2	29.3	32.8	35.3	36.7	37.3	38.1	39.4	42.1	45.2	49.0	51.0
Crude oil	117.8	111.6	126.0	126.3	131.6	125.5	117.5	111.7	111.3	114.1	112.8	119.2
Natural gas	43.2	43.9	46.9	48.2	51.6	52.9	54.3	53.7	53.9	57.7	61.5	62.6
Natural gas liquids	4.2	4.4	4.7	4.8	5.2	5.5	5.9	5.9	6.0	6.5	6.2	6.9
Coal	63.8	66.3	69.3	70.4	74.6	75.8	76.0	78.9	79.1	82.1	86.0	88.2
Hydroelectric power	13.5	15.0	15.5	16.7	17.6	18.2	18.4	18.9	19.8	20.2	20.6	20.7
Nuclear	2.2	3.9	5.4	6.5	6.7	7.5	8.6	9.4	10.6	12.3	15.2	16.4

Source: U.S. Energy Information Administration, *International Energy Annual.*

No. 944. Daily International Flow of Crude Oil, by Area: 1985

[**In thousands of barrels per day**]

EXPORTING AREA	Total	IMPORTING AREA							
		North America		Central and South America	Western Europe	Eastern Europe	Middle East and Africa	Japan	Other Far East and Oceania
		U.S.	Canada						
World total	**22,321**	**3,201**	**273**	**1,630**	**8,139**	**2,001**	**1,170**	**3,331**	**2,576**
North America	2,117	1,183	57	292	368	-	47	134	36
United States	204	(x)	21	[1] 150	-	-	-	-	33
Central and South America	1,151	477	61	312	226	1	2	11	61
Western Europe	2,363	310	94	27	1,912	2	15	-	3
Eastern Europe and Soviet Union	2,281	-	-	129	677	1,299	47	3	126
Middle East	8,181	245	10	598	2,249	509	821	2,328	1,421
Africa	4,021	612	51	172	2,653	180	238	42	73
Far East and Oceania	2,207	374	-	100	54	10	-	813	856

- Represents zero. X Not applicable. [1] Includes shipments to Puerto Rico and Virgin Islands.

Source: U.S. Energy Information Administration, *International Energy Annual.*

No. 945. U.S. Foreign Trade in Selected Mineral Fuels: 1970 to 1987

[Btu=British thermal units. For Btu conversion factors, see text, section 19. Minus sign (–) indicates an excess of imports over exports. See also *Historical Statistics, Colonial Times to 1970,* series M 100, 101, 127, 128, 140, 141, 176. and 181]

YEAR	NATURAL GAS						CRUDE OIL					
	Imports		Exports		Net trade		Imports [1]		Exports		Net trade	
	Bil. cu. ft.	Tril. Btu	Bil. cu. ft.	Tril. Btu	Bil. cu. ft.	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu
1970	820.8	846	69.8	72	–751.0	–774	483	2,814	5	29	–478	–2,785
1973	1,032.9	1,060	77.2	79	–955.7	–981	1,184	6,887	1	4	–1,183	–6,883
1974	959.3	985	76.8	78	–882.5	–907	1,269	7,395	1	6	–1,268	–7,389
1975	953.0	978	72.7	74	–880.3	–904	1,498	8,721	2	12	–1,496	–8,709
1976	963.8	988	64.7	66	–899.1	–922	1,935	11,239	3	17	–1,932	–11,221
1977	1,011.0	1,037	55.6	56	–955.4	–981	2,414	14,027	18	106	–2,396	–13,921
1978	965.5	995	52.5	53	–913.0	–941	2,320	13,460	58	335	–2,262	–13,125
1979	1,253.4	1,300	55.7	56	–1,197.7	–1,243	2,380	13,825	86	497	–2,294	–13,328
1980	984.8	1,006	48.7	49	–936.0	–957	1,926	11,195	105	609	–1,821	–10,586
1981	903.9	917	59.4	60	–844.6	–857	1,605	9,336	83	482	–1,522	–8,854
1982	933.3	950	51.7	52	–881.6	–898	1,273	7,418	86	500	–1,187	–6,918
1983	919.8	942	54.6	55	–865.1	–887	1,215	7,079	60	348	–1,155	–6,731
1984	843.1	847	54.8	55	–788.3	–792	1,254	7,302	66	384	–1,188	–6,918
1985	949.2	951	55.3	58	–893.9	–893	1,168	6,814	75	432	–1,093	–6,382
1986	750.1	748	61.2	62	–688.9	–686	1,525	8,892	56	326	–1,469	–8,566
1987	988.0	985	60.0	60	–928.0	–925	1,706	10,068	55	319	–1,651	–9,749

YEAR	COAL						PETROLEUM PRODUCTS					
	Imports		Exports		Net trade		Imports		Exports		Net trade	
	1,000 sh. tons	Tril. Btu	1,000 sh. tons	Tril. Btu	1,000 sh. tons	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu
1970	36	1	71,733	1,936	71,697	1,935	765	4,656	89	520	–676	–4,136
1973	127	3	53,587	1,425	53,460	1,422	1,099	6,578	84	482	–1,015	–6,097
1974	2,080	52	60,661	1,620	58,581	1,568	962	5,731	79	458	–883	–5,273
1975	940	24	66,309	1,761	65,369	1,738	712	4,227	74	427	–638	–3,800
1976	1,203	30	60,021	1,597	58,818	1,567	741	4,434	79	452	–662	–3,982
1977	1,647	41	54,312	1,442	52,665	1,401	800	4,728	70	408	–730	–4,321
1978	2,953	74	40,714	1,078	37,761	1,004	733	4,364	74	432	–659	–3,932
1979	2,059	51	66,042	1,753	63,983	1,702	707	4,108	86	505	–621	–3,603
1980	1,194	30	91,742	2,421	90,548	2,391	603	3,463	94	551	–509	–2,912
1981	1,043	26	112,541	2,944	111,498	2,918	584	3,303	134	781	–450	–2,522
1982	742	19	106,277	2,787	105,535	2,768	593	3,359	211	1,224	–382	–2,135
1983	1,271	32	77,772	2,045	76,501	2,013	629	3,568	210	1,217	–419	–2,351
1984	1,286	32	81,482	2,151	80,196	2,119	736	4,131	198	1,161	–538	–2,970
1985	1,952	49	92,680	2,438	90,728	2,389	681	3,796	211	1,225	–470	–2,571
1986	2,212	55	85,518	2,248	83,306	2,193	747	4,199	230	1,344	–516	–2,855
1987	1,747	44	79,607	2,097	77,860	2,053	694	3,885	226	1,330	–468	–2,556

[1] Beginning 1977, includes strategic petroleum reserve imports.

Source: U.S. Energy Information Administration, *Annual Energy Review.*

No. 946. Crude Oil Imports Into U.S., by Country of Origin: 1970 to 1987

COUNTRY OF ORIGIN	IMPORTS (mil. 42-gal. bbls.)													PERCENT DISTRIBUTION		
	1970	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1970	1980	1987
Total	**483**	**1,184**	**1,498**	**2,320**	**2,380**	**1,926**	**1,605**	**1,273**	**1,215**	**1,254**	**1,168**	**1,525**	**1,706**	**100.0**	**100.0**	**100.0**
Canada	245	365	219	90	99	73	60	78	100	125	171	208	222	50.7	3.8	13.0
Mexico	-	(Z)	26	115	160	186	171	235	280	241	261	227	220	-	9.6	12.9
Norway	-	-	5	38	28	53	42	37	24	41	11	19	25	-	2.7	1.5
Trinidad-Tobago	(Z)	22	42	52	45	42	37	34	30	32	36	34	27	(Z)	2.2	1.6
United Kingdom	-	-	-	62	72	63	135	161	133	138	102	116	111	-	3.3	6.5
OPEC	**222**	**787**	**1,171**	**1,892**	**1,866**	**1,414**	**1,067**	**633**	**540**	**553**	**479**	**771**	**876**	**46.0**	**73.4**	**51.3**
Algeria	2	44	96	231	222	167	95	33	64	71	31	26	42	.4	8.7	2.5
Ecuador	-	17	21	14	11	6	14	12	21	17	20	23	8	-	.3	.5
Gabon	-	-	10	14	15	9	13	14	21	21	19	9	13	-	.5	.7
Indonesia	26	73	138	195	139	115	116	82	115	111	107	108	96	5.4	6.0	5.6
Iran	12	79	102	202	108	3	-	13	18	4	10	7	36	2.5	.2	2.1
Iraq	-	2	(Z)	23	32	10	-	1	4	5	17	29	30	-	.5	1.7
Kuwait	12	15	1	2	2	10	-	1	3	9	1	10	26	2.5	.5	1.5
Libya	17	49	81	233	234	200	116	8	-	-	-	-	-	3.5	10.4	-
Nigeria	17	164	272	332	390	308	223	186	110	76	102	160	193	3.5	16.0	11.3
Qatar	-	3	7	23	11	8	3	3	-	1	-	4	-	-	.4	-
Saudi Arabia	15	169	256	417	492	458	406	194	117	113	48	226	234	3.1	23.8	13.7
United Arab Emirates	23	26	43	141	103	63	28	30	7	33	13	14	21	4.8	3.3	1.2
Venezuela	98	126	144	66	107	57	54	56	60	93	112	152	178	20.3	3.0	10.4
Other	16	30	35	71	110	95	93	95	108	124	109	150	225	3.3	4.9	13.2

- Represents zero. Z Less than 500,000 or less than .05 percent.

Source: 1970–1975, U.S. Bureau of Mines, *Minerals Yearbook* and *Mineral Industry Surveys;* 1978–1980, U.S. Energy Information Administration, *Petroleum Statement,* annual; thereafter, U.S. Energy Information Administration, *Petroleum Supply Annual*

No. 947. Crude Oil and Refined Products Summary: 1973 to 1988

[**Barrels of 42 gallons.** Data are averages]

YEAR AND MONTH	CRUDE OIL (1,000 bbl. per day)					REFINED OIL PRODUCTS (1,000 bbl. per day)			Total oil imports [2] (1,000 bbl. per day)	CRUDE OIL STOCKS [3] (mil. bbl.)	
	Input to refineries	Domestic production	Imports		Exports	Domestic demand	Imports	Exports		Total	Strategic reserve
			Total [1]	Strategic reserve							
1973	12,431	9,208	3,244	(x)	2	17,308	3,012	229	6,256	242	(x)
1974	12,133	8,774	3,477	(x)	3	16,653	2,635	218	6,112	265	(x)
1975	12,442	8,375	4,105	(x)	6	16,322	1,951	204	6,056	271	(x)
1976	13,416	8,132	5,287	(x)	8	17,461	2,026	215	7,313	285	(x)
1977	14,602	8,245	6,615	21	50	18,431	2,193	193	8,807	348	7
1978	14,739	8,707	6,356	162	158	18,847	2,008	204	8,363	376	67
1979	14,648	8,552	6.519	67	235	18,513	1,937	236	8,456	430	91
1980	13,481	8,597	5,263	44	287	17,056	1,646	258	6,909	466	108
1981	12,470	8,572	4,396	256	228	16,058	1,599	367	5,996	594	230
1982	11,774	8,649	3,488	165	236	15,296	1,625	579	5,113	644	294
1983	11,685	8,688	3,329	234	164	15,231	1,722	575	5,051	723	379
1984	12,044	8,879	3,426	197	181	15,726	2,011	541	5,437	796	451
1985	12,002	8,971	3,201	118	204	15,726	1,866	577	5,067	814	493
1986	12,716	8,680	4,178	48	154	16,281	2,045	631	6,224	843	512
1987	12,854	8,349	4,674	73	151	16,665	2,004	613	6,678	890	541
1st qtr	12,314	8,446	4,015	78	169	16,575	2,031	625	6,046	852	520
2d qtr	12,788	8,371	4,425	71	143	16,455	1,823	592	6,249	855	527
3d qtr	13,328	8,222	5,307	68	136	16,710	2,102	577	7,409	871	534
4th qtr	12,975	8,359	4,931	74	156	16,916	2,058	659	6,989	890	541
1988 [4]	13,152	8,274	4,906	50	168	16,910	2,018	641	6,924	913	550
1st qtr	12,925	8,321	4,670	46	194	17,443	2 171	672	6,871	899	545
2d qtr	13,378	8,227	5,112	53	143	16,377	1,865	611	6,977	913	550

X Not applicable. [1] Includes Strategic Petroleum Reserve. [2] Crude oil (including Strategic Petroleum Reserve imports) plus refined products. [3] End of year or quarter. [4] Preliminary.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, April 1988.

No. 948. Energy Producing Companies— Selected Financial and Investment Indicators: 1978 to 1986

[Based on data from major publicly-owned domestic crude oil producing companies which either had at least one percent of domestic production or reserves of oil, natural gas, coal, or uranium, or at least one percent of refining capacity or petroleum product sales. There were 26 companies during 1978 through 1982; 25 in 1983; and 22 during 1984 through 1986]

ITEM	1978	1979	1980	1981	1982	1983	1984	1985	1986
INCOME STATEMENT (bil. dol.)									
Operating revenues	294.8	392.6	518.6	575.7	549.7	511.0	517.4	492.5	378.5
Operating expenses	*265.0*	*345.8*	*455.9*	*520.8*	*504.2*	*462.8*	*467.3*	*444.2*	*354.4*
Operating income	29.8	46.8	62.7	54.8	45.5	48.2	50.1	48.3	24.0
Pretax income	30.2	48.6	66.9	60.0	45.2	47.4	47.6	43.6	20.6
Net income	13.9	23.5	31.0	30.0	21.8	21.9	21.3	17.4	9.2
Funds from operations [1]	31.2	45.4	59.0	61.6	60.4	60.7	63.6	63.5	53.1
BALANCE SHEET (bil. dol.)									
Net property, plant, and equipment	138.1	159.3	188.9	224.9	265.5	278.4	292.4	297.7	291.1
Net investment in place [2]	148.1	169.9	202.6	240.8	282.5	296.3	309.1	315.4	310.0
Total assets	237.1	282.8	333.0	372.5	411.9	421.8	442.9	438.4	427.0
RATIOS (percent)									
Net income to operating revenues	4.7	6.0	6.0	5.2	4.0	4.3	4.1	3.5	2.4
Net income to total assets	5.9	8.3	9.3	8.0	5.3	5.2	5.0	4.0	2.2
Net income to stockholders' equity	12.8	18.8	21.1	18.1	11.9	11.4	12.1	10.5	5.6
Long-term debt to stockholders' equity [3]	35.6	33.7	31.5	32.2	37.1	34.8	49.5	54.3	56.0
Long-term debt to total assets [3]	16.3	14.9	13.9	14.3	16.6	15.9	20.6	20.5	21.6

[1] The sum of net income, depreciation, depletion and amortization, deferred taxes, dry hole expenses, etc. [2] Composed of et property, plant and equipment plus investment and advances to unconsolidated subsidiaries. [3] Long-term debt includes mounts applicable to capitalized leases.

Source: U.S. Energy Information Administration, *Performance Profiles of Major Energy Producers*, annual, and unpublished data.

NO. 949. PETROLEUM AND COAL PRODUCTS CORPORATIONS—SALES, NET PROFIT, AND PROFIT PER DOLLAR OF SALES: 1975 TO 1987

[Represents SIC group 29. Profit rates are averages of quarterly figures at annual rates beginning 1986, excludes estimates for corporations with less than $250,000 in assets]

ITEM	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987[1]
Sales	Bil. dol	121.8	162.3	180.3	242.7	333.2	376.1	357.1	312.7	338.4	320.9	226.5	248.3
Net profit:													
Before income taxes	Bil. dol	13.3	17.8	19.2	32.2	39.1	35.3	27.8	27.1	24.5	17.7	9.8	14.2
After income taxes	Bil. dol	9.3	12.2	12.8	21.9	25.5	23.7	19.7	19.3	17.2	12.7	8.8	10.9
Depreciation[1]	Bil. dol	5.6	6.6	7.7	9.5	11.6	13.7	16.3	17.5	20.7	22.1	21.9	20.3
Profits per dollar of sales:													
Before income taxes	Cents	10.9	11.0	10.6	13.3	11.7	9.4	7.8	8.7	7.2	5.5	4.1	5.8
After income taxes	Cents	7.6	7.5	7.1	9.0	7.7	6.3	5.5	6.2	5.1	4.0	3.8	4.5
Profits on stockholders' equity:													
Before income taxes	Percent	17.9	19.9	19.8	30.0	30.7	25.6	18.7	17.8	14.3	11.7	6.8	10.1
After income taxes	Percent	12.5	13.6	13.3	20.4	20.0	17.2	13.2	12.7	10.0	8.5	6.1	7.7

[1] Includes depletion and accelerated amortization of emergency facilities.

Source: Through 1981, U.S. Federal Trade Commission and, beginning 1982, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations.*

NO. 950. MAJOR PETROLEUM COMPANIES—FINANCIAL DATA SUMMARY: 1973 TO 1987

[Data represent a composite of approximately 42 major worldwide petroleum companies aggregated on a consolidated, total company basis]

ITEM	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
FINANCIAL DATA (bil. dol.)												
Net income	11.8	11.6	16.0	32.8	32.9	29.2	21.1	20.6	22.7	19.4	10.8	13.5
Depreciation, depletion, etc	10.5	11.3	19.8	24.9	32.5	34.9	37.2	37.4	45.3	53.0	43.7	42.1
Cash flow[1]	22.3	22.8	35.8	57.7	65.4	64.1	58.3	58.1	68.0	72.4	54.5	55.6
Dividends paid	4.0	4.7	6.8	8.0	9.3	10.6	10.6	10.5	11.6	12.0	12.1	12.6
Net internal funds available for investment or debt repayment[2]	18.3	18.1	29.0	49.7	56.1	53.5	47.7	47.6	56.4	60.4	42.4	43.0
Capital and exploratory expenditures	16.3	26.9	37.1	51.1	62.1	79.2	67.8	50.7	57.5	58.3	38.3	45.0
Long-term capitalization	102.9	121.1	168.0	196.9	211.4	248.1	243.8	240.0	285.7	272.1	279.9	275.1
Long-term debt	22.5	28.9	45.1	48.1	49.8	59.2	62.6	61.0	95.8	93.5	95.5	83.1
Preferred stock	.4	.4	.9	.9	2.0	2.0	3.5	3.5	5.2	3.3	3.7	4.0
Common stock and retained earnings[3]	80.0	91.9	122.0	147.9	159.6	186.9	177.7	175.5	184.7	175.3	180.7	188.0
Excess of expenditures over cash income[4]	-2.0	8.9	8.1	1.4	6.0	25.7	20.1	3.1	1.1	-2.1	3.0	6.4
RATIOS[5] (percent)												
Long-term debt to long-term capitalization	22.0	23.8	26.8	24.4	23.6	23.8	25.7	25.4	33.5	34.4	34.1	30.2
Net income to total average capital	12.0	10.0	9.9	17.8	17.0	10.4	8.6	8.8	8.6	7.0	4.0	4.9
Net income to average common equity	15.6	13.1	13.5	24.0	22.5	17.7	11.5	12.0	12.5	10.8	6.2	7.3

[1] Generally represents internally-generated funds from operations. Sum of net income and noncash charges such as depreciation, depletion, and amortization. [2] Cash flow minus dividends paid. [3] Includes common stock, capital surplus, and earned surplus accounts after adjustments. [4] Capital and exploratory expenditures plus dividends paid minus cash flow. [5] Represents approximate year-to-year comparisons because of changes in the makeup of the group due to mergers and other corporate changes.

Source: Carl H. Pforzheimer & Co., New York, NY, *Comparative Oil Company Statements, 1987-1986,* and earlier reports.

NO. 951. ELECTRIC UTILITY SALES AND AVERAGE PRICES, BY END-USE SECTORS: 1970 TO 1987

[Prior to 1980, covers Class A and B privately-owned electric utilities; thereafter, Class A utilities whose electric operating revenues were $100 million or more during the previous year]

YEAR	SALES (bil. kWh)				AVERAGE PRICE OF ELECTRICITY SOLD (cents per kWh)							
					Current dollars				Constant (1982) dollars[2]			
	Total[1]	Residential	Commercial	Industrial	Total[1]	Residential	Commercial	Industrial	Total[1]	Residential	Commercial	Industrial
1970	1,392	466	307	571	1.67	2.22	2.08	1.02	3.98	5.29	4.95	2.43
1972	1,595	539	359	641	1.86	2.42	2.29	1.16	4.00	5.20	4.92	2.49
1973	1,713	579	388	686	1.96	2.54	2.41	1.25	3.96	5.13	4.87	2.53
1974	1,706	578	385	685	2.49	3.10	3.04	1.69	4.61	5.74	5.63	3.13
1975	1,747	588	403	688	2.92	3.51	3.45	2.07	4.92	5.92	5.82	3.49
1976	1,855	606	425	754	3.09	3.73	3.69	2.21	4.90	5.91	5.85	3.50
1977	1,948	645	447	786	3.42	4.05	4.09	2.50	5.08	6.02	6.08	3.71
1978	2,018	674	461	809	3.69	4.31	4.36	2.79	5.11	5.97	6.04	3.86
1979	2,071	683	473	842	3.99	4.64	4.68	3.05	5.08	5.90	5.95	3.89
1980	2,094	717	488	815	4.73	5.36	5.48	3.69	5.52	6.25	6.39	4.31
1981	2,147	722	514	826	5.46	6.20	6.29	4.29	5.81	6.60	6.69	4.56
1982	2,086	730	526	745	6.13	6.86	6.86	4.95	6.13	6.86	6.86	4.95
1983	2,151	751	544	776	6.30	7.18	7.02	4.96	6.06	6.91	6.76	4.77
1984	2,285	780	577	839	6.52	7.54	7.33	5.04	6.03	6.98	6.78	4.66
1985	2,326	794	605	835	6.71	7.79	7.47	5.16	6.02	6.99	6.70	4.63
1986	2,351	818	641	808	6.42	7.41	7.13	4.90	5.63	6.49	6.25	4.29
1987	2,455	850	672	847	6.32	7.41	7.00	4.72	5.38	6.31	5.96	4.02

[1] Includes other sectors not shown separately. [2] Based on the GNP implicit price deflator; see table 751.

Source: U.S. Energy Information Administration, *Annual Energy Review.*

No. 952. Electric Utility Industry—Electric Energy Net Generation, and Net Summer Capability by Type of Prime Mover, and Consumption of Fuels: 1970 to 1987

[Net Generation for **calendar years;** other data as of **December 31.** See also *Historical Statistics, Colonial Times to 1970,* series S 32-52, S 78-82, and S 86-107]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
NET GENERATION											
Total	**Bil. kWh**	**1,532**	**1,918**	**2,286**	**2,295**	**2,241**	**2,310**	**2,416**	**2,470**	**2,487**	**2,572**
Average annual change [1]	Percent	7.3	4.6	3.6	.4	-2.3	3.1	4.6	2.2	.7	3.4
Net generation, kWh per kW of net summer capability [2]	Rate	4,554	3,903	3,952	3,836	3,652	3,720	3,805	3,771	3,734	3,809
Investor owned	Bil. kWh	1,183	1,487	1,783	1,786	1,712	1,784	1,849	1,918	1,928	2,022
Percent of total utilities	Percent	77.2	77.5	78.0	77.8	76.4	76.4	76.5	77.7	77.5	78.6
Publicly owned	Bil. kWh	349	431	503	509	530	546	567	552	559	550
Municipal	Bil. kWh	71	82	87	81	77	73	75	74	79	86
Federal	Bil. kWh	186	221	235	232	241	258	254	233	225	205
Cooperatives and other	Bil. kWh	91	128	182	196	212	215	239	245	255	258
Source of energy:											
Coal [3]	Percent	46.0	44.6	51.0	52.7	53.4	54.8	55.9	57.2	56.2	57.4
Nuclear	Percent	1.4	9.0	11.0	11.9	12.6	12.7	13.6	15.5	16.6	17.7
Oil	Percent	12.0	15.1	10.8	9.0	6.5	6.3	5.0	4.1	5.5	4.6
Gas	Percent	24.3	15.6	15.1	15.1	13.6	11.9	12.3	11.8	10.0	10.6
Hydro	Percent	16.2	15.6	12.1	11.4	13.8	14.4	13.3	11.4	11.7	9.7
Type of prime mover: [4]											
Hydro	Bil. kWh	248	300	276	261	309	332	321	281	291	250
Steam conventional [5]	Bil. kWh	1,240	1,414	1,726	1,730	1,628	1,661	1,742	1,778	1,756	1,837
Gas turbine	Bil. kWh	16	22	24	22	14	14	15	14	14	16
Steam nuclear	Bil. kWh	22	173	251	273	283	294	328	384	414	455
Internal combustion	Bil. kWh	6	6	4	3	2	2	2	2	2	2
NET SUMMER CAPABILITY											
Total [6]	**Mil. kW**	**336**	**491**	**579**	**598**	**614**	**621**	**635**	**655**	**665**	**675**
Average annual change [1]	Percent	7.2	7.9	3.4	3.4	2.6	1.2	2.3	3.2	1.5	1.6
Hydro	Mil. kW	64	78	82	82	83	84	85	89	89	90
Steam conventional [7]	Mil. kW	248	333	397	411	421	425	431	437	441	442
Gas turbine	Mil. kW	13	37	43	43	44	43	44	44	43	43
Steam nuclear	Mil. kW	7	37	52	56	60	63	70	79	85	94
Internal combustion	Mil. kW	4	5	5	5	5	5	5	5	5	5
NUMBER OF PRIME MOVERS											
Prime movers, total [8]	**Number**	**9,717**	(NA)	**11,064**	(NA)	(NA)	(NA)	(NA)	(NA)	**10,611**	**10,406**
Hydro	Number	3,108		3,275						3,489	3,488
Steam conventional	Number	2,813		2,862						2,536	2,437
Gas turbine	Number	658		1,447						1,439	1,408
Steam nuclear	Number	16		74						99	109
Internal combustion	Number	3,118		3,410						2,998	2,917
CONSUMPTION OF FUELS											
Net generation by fuel [9]	Bil. kWh	1,284	1,618	2,010	2,034	1,932	1,978	2,095	2,189	2,196	2,322
Average annual change [1]	Percent	7.7	3.3	2.2	1.2	-5.0	2.4	5.9	4.5	.4	5.7
Coal	Bil. kWh	704	853	1,162	1,203	1,192	1,259	1,342	1,402	1,386	1,464
Percent of total	Percent	54.9	52.7	57.8	59.2	61.7	63.7	64.0	64.1	63.1	63.0
Petroleum	Bil. kWh	184	289	246	206	147	144	120	100	137	118
Gas	Bil. kWh	373	300	346	346	305	274	297	292	249	273
Nuclear	Bil. kWh	22	173	251	273	283	294	328	384	414	455
Fuel consumed:											
Total energy equivalent	Quad. Btu	13.40	15.19	18.57	18.55	17.49	17.75	18.53	18.79	18.59	19.39
Coal	Mil. sh. tons	320	406	569	597	594	625	664	694	685	718
Oil	Mil. bbl.	339	506	421	352	251	247	206	174	232	199
Gas	Bil cu. ft	3,932	3,158	3,682	3,640	3,226	2,911	3,111	3,044	2,602	2,844

NA Not available. [1] Change from prior year shown; for 1970, change from 1960. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Net summer capability is the steady hourly output that generating equipment is expected to supply to system load, exclusive of auxiliary power as demonstrated by test at the time of summer peak demand. [3] Includes small percentage (.5%) from wood and waste, geothermal, and petroleum coke. [4] A prime mover is the engine, turbine, water wheel, or similar machine which drives an electric generator. [5] Fossil fuels only. [6] Includes wind, solar thermal, and photovoltaic, not shown separately. [7] Includes fossil steam, wood, and waste. [8] Each prime mover type in combination plants counted separately. Includes geothermal, wind, and solar, not shown separately. [9] Includes small amounts of wood, waste, wind, geothermal, solar thermal, and photovoltaic.

Source: 1970, U.S. Federal Power Commission, *Electric Power Statistics,* and press releases; thereafter, U.S. Energy Information Administration, 1975 and 1980, *Power Production, Fuel Consumption, and Installed Capacity Data—Annual,* and unpublished data; thereafter, *Electric Power Annual, Annual Energy Review,* and unpublished data.

No. 953. Electric Utility Industry—Capability, Peak Load, and Capacity Margin: 1970 to 1987

[Excludes Alaska and Hawaii. Capability represents the maximum kilowatt output with all power sources available and with hydraulic equipment under actual water conditions, allowing for maintenance, emergency outages, and system operating requirements. Capacity margin is the difference between capability and peak load]

YEAR	CAPABILITY AT THE TIME OF—				NON-COINCIDENT PEAK LOAD		CAPACITY MARGIN			
	Summer peak load (1,000 kW)		Winter peak load [1] (1,000 kW)				Summer		Winter	
	Amount	Change from prior year	Amount	Change from prior year	Summer	Winter [1]	Amount (1,000 kW)	Percent of capability	Amount (1,000 kW)	Percent of capability
1970	326,900	[2] 26,600	339,050	[2] 27,600	274,650	248,550	52,250	16.0	90,500	26.7
1971	353,250	26,350	366,700	27,650	292,100	261,650	61,150	17.3	105,050	28.6
1972	381,700	28,450	394,050	27,350	319,150	290,950	62,550	16.4	103,100	26.2
1973	415,500	33,800	433,150	39,100	343,900	295,100	71,600	17.2	138,050	31.9
1974	444,400	28,900	467,400	34,250	349,250	302,500	95,150	21.4	164,900	35.3
1975	479,300	34,900	492,450	25,050	356,800	331,100	122,500	25.6	161,350	32.9
1976	498,750	19,450	511,000	18,550	370,900	349,850	127,850	25.6	161,150	31.5
1977	516,000	17,250	537,600	26,600	396,350	360,200	119,650	23.2	177,400	33.0
1978	545,700	29,700	561,550	23,950	408,050	383,100	135,650	24.9	178,450	31.8
1979 [3]	544,506	−1,194	554,525	−7,025	398,424	368,876	146,082	26.8	185,649	33.5
1980	558,237	13,731	572,195	17,670	427,058	384,567	131,179	23.5	187,628	32.8
1981	572,219	13,982	586,569	14,374	428,295	391,106	143,924	25.2	188,769	32.2
1982	586,142	13,923	598,066	11,497	414,909	373,318	171,233	29.2	224,081	37.5
1983	596,449	10,307	612,453	14,387	447,526	410,779	148,923	25.0	201,674	32.9
1984	604,240	7,791	622,125	9,673	451,150	436,374	153,090	25.3	185,751	29.9
1985	621,597	17,357	636,475	14,350	460,503	423,660	161,094	25.9	212,815	33.4
1986	633,291	11,694	646,721	10,246	476,993	422,857	156,298	24.7	223,864	34.6
1987	647,932	14,641	662,977	16,256	493,692	448,277	154,240	23.8	214,700	32.4

[1] Prior to 1973, data was for the month of December. [2] Change from 1969. [3] Beginning 1979, data are not entirely comparable with prior years due to change in data source.

Source: Edison Electric Institute, Washington, DC, *Statistical Yearbook of the Electric Utility Industry*, annual.

No. 954. Electric Energy—Net Generation and Installed Generating Capacity, by State: 1980 to 1987

[Capacity as of **Dec. 31**. Covers utilities for public use]

DIVISION AND STATE	NET GENERATION (bil. kWh)				INSTALLED CAPACITY (mil. kW)	
	1980	1986	1987		1980	1987
			Total	Percent from coal		
U.S	**2,286.4**	**2,487.3**	**2,572.1**	**56.9**	**613.5**	**718.1**
N.E	**78.2**	**87.6**	**87.6**	**19.0**	**21.1**	**22.5**
ME	7.9	10.9	8.3	-	2.4	2.4
NH	6.0	6.1	6.0	50.5	1.6	1.4
VT	3.8	3.1	4.6	-	.9	1.1
MA	34.8	34.5	34.7	33.6	9.6	10.0
RI	1.0	.7	.8	2.4	.3	.3
CT	24.7	32.2	33.2	5.8	6.3	7.4
M.A	**260.5**	**287.7**	**302.3**	**42.4**	**78.4**	**83.8**
NY	108.6	111.3	117.6	16.5	31.4	33.2
NJ	29.4	28.8	39.3	18.9	12.6	14.7
PA	122.5	147.6	145.4	69.7	34.4	35.9
E.N.C	**397.0**	**414.6**	**439.2**	**79.4**	**107.9**	**120.7**
OH	110.2	111.5	119.7	93.0	27.4	27.6
IN	70.6	77.3	78.6	98.8	17.1	21.5
IL	103.4	106.9	109.9	52.7	29.9	36.0
MI	74.8	76.1	87.0	81.7	22.7	24.1
WI	37.8	42.8	44.0	70.5	10.7	11.6
W.N.C	**168.2**	**185.1**	**195.2**	**74.4**	**49.0**	**58.0**
MN	31.5	28.4	34.4	62.9	8.8	9.3
IA	21.8	24.1	25.5	85.0	7.3	8.6
MO	48.9	54.2	55.1	85.7	13.8	16.6
ND	15.8	22.2	22.6	91.2	3.4	4.7
SD	8.6	7.8	6.3	14.4	2.2	2.6
NE	16.3	18.8	20.5	49.6	5.1	5.8
KS	25.1	29.5	30.8	74.9	8.3	10.5
S.A	**417.8**	**483.2**	**505.9**	**62.2**	**111.5**	**135.7**
DE	6.7	8.4	8.5	69.1	1.6	1.9
MD	32.2	37.7	36.3	57.9	9.2	10.5
DC	.7	.2	.2	-	1.2	.9
S.A.—Con.						
VA	34.3	42.6	42.7	48.3	11.7	13.6
WV	70.8	77.5	78.4	99.2	15.2	15.2
NC	72.1	76.8	78.8	56.9	15.6	20.8
SC	41.9	56.5	64.4	35.5	11.7	16.3
GA	63.3	74.9	85.8	78.3	16.3	20.9
FL	95.9	108.5	110.8	49.3	29.0	35.7
E.S.C	**214.1**	**210.9**	**217.5**	**81.2**	**53.3**	**62.0**
KY	57.1	66.9	67.5	95.4	13.6	16.6
TN	60.2	56.5	58.3	87.0	15.9	18.3
AL	78.3	68.6	69.3	72.8	18.2	20.0
MS	18.5	19.0	22.4	49.6	5.5	7.2
W.S.C	**313.1**	**341.9**	**343.0**	**47.2**	**84.7**	**101.0**
AR	19.7	35.1	36.3	53.4	7.2	9.2
LA	45.7	52.8	51.3	29.4	12.9	18.2
OK	44.6	41.1	42.7	49.4	11.3	13.6
TX	203.0	212.9	212.6	50.0	53.3	60.0
Mt	**158.8**	**203.1**	**216.1**	**75.3**	**35.8**	**51.2**
MT	15.5	22.4	20.9	56.7	3.2	4.9
ID	9.5	12.2	8.1	-	2.0	2.0
WY	22.4	28.8	37.4	97.8	4.1	5.9
CO	23.6	28.3	28.8	90.9	6.1	7.2
NM	24.7	23.6	25.6	92.4	5.0	5.5
AZ	36.9	51.2	51.6	49.1	9.4	15.7
UT	12.1	16.8	26.3	95.7	2.1	5.1
NV	14.1	20.0	17.4	80.7	3.9	4.8
Pac	**278.8**	**273.3**	**265.2**	**3.2**	**71.9**	**83.1**
WA	92.3	92.5	83.8	9.8	23.0	24.1
OR	36.6	47.8	39.7	−.1	8.5	10.4
CA	140.3	121.9	130.3	-	37.8	45.4
AK	3.1	4.3	4.1	6.4	1.1	1.7
HI	6.5	6.9	7.2	-	1.4	1.5

- Represents or rounds to zero.

Source: U.S. Energy Information Administration, 1980, *Power Production, Fuel Consumption, and Installed Capacity Data*, annual; thereafter, *Electric Power Annual* and *Inventory of Power Plants in the United States*, annual.

No. 955. Electric Utility Generating Units by Prime Mover and Nameplate Capacity: 1970 to 1987

[Capacity as of **Dec. 31.** Several generating units of one or more prime movers may be located at a generating plant. For definition of prime mover, see table 952, footnote 3]

TYPE AND SIZE OF PRIME MOVER	INVESTOR OWNED						PUBLICLY OWNED					
	Number of units			Nameplate capacity (mil. kW)			Number of units			Nameplate capacity (mil. kW)		
	1970	1980	1987	1970	1980	1987	1970	1980	1987	1970	1980	1987
Total	**5,398**	**6,145**	**5,677**	**257.3**	**481.6**	**552.8**	**4,319**	**4,939**	**4,729**	**79.1**	**140.3**	**165.3**
Steam, conventional	1,943	1,987	1,669	216.8	364.8	389.3	870	875	768	37.8	64.6	81.9
Under 100,000 kW	1,209	990	659	45.6	40.6	32.0	753	684	539	12.2	13.5	13.3
100,000-500,000 kW	664	758	733	128.0	162.4	166.4	110	164	193	20.4	34.6	43.6
Over 500,000 kW	70	239	277	43.2	161.8	190.9	7	27	36	5.2	16.4	25.0
Steam, nuclear	15	64	97	5.8	47.1	89.5	1	10	12	1.3	8.6	12.2
Over 500,000 kW	7	56	91	4.4	45.4	88.0	1	9	12	1.3	8.5	12.2
Hydro	2,036	2,068	2,155	19.1	24.8	29.2	1,072	1,207	1,333	36.1	53.7	56.8
Gas turbine	587	1,171	1,122	14.0	42.1	41.8	71	276	286	1.0	9.7	10.6
Over 25,000 kW	115	519	511	5.7	30.0	30.4	-	127	138	1.0	7.1	8.0
Internal combustion	813	839	602	1.5	1.7	1.4	2,305	2,571	2,315	2.9	3.8	3.7
Under 5,000 kW	797	812	576	1.3	1.4	1.1	2,279	2,484	2,207	2.7	3.1	2.9
Over 5,000 kW	16	27	26	.2	.4	.3	26	87	108	.3	.7	.8
Other [1]	4	16	32	.1	1.0	1.6	-	-	15	-	-	.1

- Represents zero. [1] Includes geothermal, wind, and solar.

Source: U.S. Energy Information Administration, unpublished data.

No. 956. Electric Energy Sales, by Class of Service, 1970 to 1987, and by State, 1987

[In billions of kilowatthours]

YEAR, DIVISION, AND STATE	Total [1]	Residential	Commercial	Industrial
1970	1,392.3	466.3	306.7	570.9
1973	1,712.9	579.2	388.3	686.1
1975	1,747.1	588.1	403.0	687.7
1980	2,094.4	717.5	488.2	815.1
1981	2,147.1	722.3	514.3	825.7
1982	2,086.4	729.5	526.4	744.9
1983	2,151.0	750.9	543.8	776.0
1984	2,278.4	777.7	578.3	840.6
1985	2,309.5	791.0	609.0	824.5
1986	2,350.8	817.7	641.5	808.3
1987, total	**2,455.4**	**849.6**	**673.7**	**845.3**
New England	**97.0**	**35.0**	**34.3**	**26.0**
Maine	10.7	3.7	2.5	4.3
New Hampshire	8.4	3.3	1.8	3.2
Vermont	4.3	1.7	1.5	1.1
Massachusetts	42.1	14.5	16.9	9.8
Rhode Island	5.9	2.2	2.2	1.4
Connecticut	25.7	9.7	9.4	6.2
Middle Atlantic	**285.4**	**90.5**	**93.3**	**88.3**
New York	119.5	35.4	44.1	28.8
New Jersey	58.6	19.3	23.3	15.6
Pennsylvania	107.2	35.8	26.0	44.0
East North Central	**426.6**	**130.3**	**99.8**	**180.8**
Ohio	130.1	36.9	27.6	61.5
Indiana	66.8	21.2	14.7	30.2
Illinois	105.0	32.2	27.7	37.7
Michigan	79.3	24.3	18.8	33.1
Wisconsin	45.5	15.7	10.7	18.2
West North Central	**173.7**	**65.6**	**45.1**	**58.0**
Minnesota	41.9	14.0	7.3	19.8
Iowa	27.2	10.3	6.0	10.2
Missouri	50.0	20.4	15.9	12.9
North Dakota	6.8	2.8	1.4	2.0
South Dakota	6.1	2.8	1.2	1.7
Nebraska	16.8	6.6	4.9	4.0
Kansas	24.9	8.7	8.4	7.4
South Atlantic	**470.5**	**186.7**	**128.4**	**139.3**
Delaware	7.0	2.3	1.9	2.6
Maryland [2]	53.9	18.6	14.9	19.4
Virginia	66.9	26.6	17.7	14.5
West Virginia	21.1	7.3	4.6	9.1
North Carolina	78.9	29.6	19.5	28.2
South Carolina	52.0	16.8	10.3	24.0
Georgia	68.9	25.3	18.3	24.6
Florida	122.1	60.2	41.2	16.8
East South Central	**205.7**	**75.0**	**46.3**	**80.1**
Kentucky	51.3	16.3	8.9	23.8
Tennessee	70.5	27.7	18.6	23.4
Alabama	56.0	19.8	11.6	24.0
Mississippi	27.8	11.2	7.1	8.9
West South Central	**334.7**	**117.4**	**85.0**	**120.2**
Arkansas	23.6	9.6	5.6	7.9
Louisiana	59.1	19.8	12.7	23.1
Oklahoma	36.4	14.0	9.8	10.7
Texas	215.7	74.1	57.0	78.6
Mountain	**144.5**	**45.8**	**42.9**	**49.8**
Montana	12.6	3.4	2.6	6.4
Idaho	16.2	5.2	4.6	6.4
Wyoming	10.9	1.7	1.7	7.3
Colorado	29.0	9.6	12.2	6.3
New Mexico	12.4	3.3	3.8	4.2
Arizona	36.6	13.8	11.8	8.7
Utah	13.5	4.0	4.1	4.6
Nevada	13.1	4.6	2.0	6.0
Pacific	**317.4**	**103.5**	**98.9**	**102.6**
Washington	78.0	26.0	16.7	31.7
Oregon	38.5	13.8	10.5	14.0
California	190.3	60.5	68.2	53.3
Alaska	3.4	1.2	1.6	.5
Hawaii	7.2	2.0	1.9	3.3

[1] Includes other service, not shown separately. [2] Includes District of Columbia.

Source: U.S. Energy Information Administration, *Electric Power Annual, 1987.*

NO. 957. ELECTRIC UTILITIES—GENERATION, SALES, REVENUE, AND CUSTOMERS: 1970 TO 1987

[Sales and revenue are to and from ultimate customers]

CLASS	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.	1987, prel.
Generation [1]	Bil. kWh	1,532	1,918	2,206	2,247	2,286	2,295	2,241	2,310	2,416	2,470	2,487	2,572
Sales [2]	**Bil. kWh**	**1,391**	**1,733**	**2,018**	**2,084**	**2,126**	**2,151**	**2,100**	**2,160**	**2,281**	**2,310**	**2,361**	**2,443**
Residential or domestic	Bil. kWh	448	586	679	696	734	730	733	750	783	791	822	850
Percent of total	Percent	32.2	33.8	33.7	33.4	34.5	34.0	34.9	34.7	34.3	34.2	34.8	34.8
Commercial [3]	Bil. kWh	313	418	481	495	524	522	517	546	578	609	623	659
Industrial [4]	Bil. kWh	573	662	782	818	794	820	770	783	835	824	818	847
Revenue [2]	**Bil. dol**	**22.1**	**46.9**	**69.9**	**79.6**	**95.5**	**110.6**	**121.6**	**129.6**	**143.1**	**149.8**	**153.1**	**155.9**
Residential or domestic	Bil. dol	9.4	18.8	27.4	30.8	37.6	42.4	47.2	51.2	56.1	59.0	61.2	63.2
Percent of total	Percent	42.7	40.1	39.2	38.7	39.4	38.3	38.8	39.5	39.2	39.4	40.0	40.5
Commercial [3]	Bil. dol	6.3	13.5	19.7	22.3	27.4	31.3	34.2	37.1	41.3	44.2	45.8	46.8
Industrial [4]	Bil. dol	5.4	12.7	20.3	23.8	27.3	33.0	35.9	36.6	40.8	41.4	40.8	40.6
Ultimate customers, Dec. 31 [2]	**Million**	**72.5**	**81.8**	**87.7**	**89.6**	**92.7**	**94.0**	**95.3**	**97.0**	**99.4**	**101.5**	**103.6**	**105.6**
Residential or domestic	Million	64.0	72.6	77.8	79.6	82.2	83.3	84.4	85.8	87.9	89.7	91.5	93.2
Commercial [3]	Million	7.9	8.6	9.1	9.4	9.7	9.8	10.0	10.3	10.6	10.7	11.2	11.5
Industrial [4]	Million	.4	.4	.5	.5	.5	.5	.5	.5	.5	.7	.5	.5
Avg. kWh used per customer	**1,000**	**19.4**	**21.4**	**23.3**	**23.5**	**23.2**	**23.0**	**22.2**	**22.5**	**23.2**	**23.0**	**23.0**	**23.3**
Residential	1,000	7.1	8.2	8.8	8.8	9.0	8.8	8.7	8.8	9.0	9.0	9.1	9.2
Commercial [3]	1,000	40.0	49.0	53.1	53.2	54.5	53.4	52.3	53.8	55.2	57.4	57.9	58.0
Avg. annual bill per customer	**Dollar**	**307**	**579**	**807**	**897**	**1,040**	**1,184**	**1,285**	**1,349**	**1,453**	**1,489**	**1,492**	**1,489**
Residential	Dollar	149	262	357	391	462	512	563	602	644	663	675	683
Commercial [3]	Dollar	804	1,580	2,177	2,394	2,848	3,207	3,452	3,660	3,940	4,171	4,183	4,124
Avg. revenue per kWh sold	**Cents**	**1.59**	**2.70**	**3.46**	**3.82**	**4.49**	**5.14**	**5.79**	**6.00**	**6.27**	**6.47**	**6.49**	**6.38**
Residential	Cents	2.10	3.21	4.03	4.43	5.12	5.80	6.44	6.83	7.17	7.40	7.44	7.43
Commercial [3]	Cents	2.01	3.23	4.10	4.50	5.22	6.00	6.61	6.80	7.14	7.27	7.23	7.11
Industrial [4]	Cents	.95	1.92	2.59	2.91	3.44	4.03	4.66	4.68	4.88	5.04	5.00	4.79

[1] Source: 1970–1975, U.S. Federal Power Commission; thereafter, U.S. Energy Information Administration, *Monthly Energy Review*, January 1988. [2] Includes other types not shown separately. [3] Small light and power. [4] Large light and power.

Source: Except as noted, Edison Electric Institute, Washington, DC, *Statistical Yearbook*.

NO. 958. ELECTRIC UTILITIES—BALANCE SHEET AND INCOME ACCOUNT OF PRIVATELY OWNED COMPANIES: 1970 TO 1986

[**In billions of dollars.** As of **Dec. 31.** See also *Historical Statistics, Colonial Times to 1970*, series S 133–146 and V 197–212]

ITEM	CLASS A AND B INVESTOR-OWNED ELECTRIC UTILITIES [1]						MAJOR INVESTOR-OWNED ELECTRIC UTILITIES [2]					
	1970	1975	1978	1979	1980	1981	1981	1982	1983	1984	1985	1986
COMPOSITE BALANCE SHEET												
Assets and other debits	**87.4**	**157.1**	**211.1**	**234.8**	**260.0**	**286.0**	**285.1**	**315.0**	**342.4**	**375.6**	**404.7**	**426.1**
Electric utility plant [3]	93.3	160.7	218.0	242.3	266.9	292.7	291.6	321.2	347.9	377.2	396.9	419.5
Depreciation and amortization	*20.3*	*31.9*	*44.5*	*49.7*	*55.5*	*61.5*	*61.1*	*67.6*	*74.3*	*81.9*	*85.1*	*93.9*
Net electric utility plant	73.1	128.8	173.5	192.6	211.5	231.2	230.5	253.6	273.6	295.3	311.8	325.6
Other utility plant	9.0	11.7	13.2	13.9	14.8	15.7	15.7	16.7	17.5	18.3	19.9	21.2
Depreciation and amortization	*2.1*	*3.1*	*3.9*	*4.2*	*4.5*	*4.9*	*4.9*	*5.3*	*5.8*	*6.1*	*6.5*	*7.2*
Net other utility plant	6.9	8.6	9.3	9.7	10.3	10.8	10.8	11.4	11.8	12.2	13.4	14.0
Total utility plant	102.3	172.4	231.2	256.2	281.7	308.4	307.3	337.9	365.5	395.5	431.1	455.9
Depreciation and amortization	*22.3*	*35.0*	*48.4*	*53.9*	*60.0*	*66.4*	*66.0*	*72.9*	*80.1*	*88.0*	*97.4*	*107.7*
Net total utility plant	79.9	137.4	182.8	202.3	221.7	242.0	241.3	265.0	285.4	307.5	333.8	348.2
Other property and investments	1.7	4.5	6.4	6.0	6.5	7.9	7.9	9.1	10.3	10.9	12.1	13.5
Current and accrued assets	5.3	13.5	18.9	22.4	26.2	28.7	28.6	31.7	33.3	37.9	39.4	38.4
Deferred debits	.4	1.7	3.0	4.1	5.5	7.3	7.3	9.3	13.4	19.3	19.4	26.1
Liabilities and other credits [4]	**87.4**	**157.1**	**211.1**	**234.8**	**260.0**	**286.0**	**285.1**	**315.0**	**342.4**	**375.6**	**404.7**	**426.1**
Capital stock	20.8	37.8	49.1	53.8	59.3	63.9	63.7	70.3	75.9	79.0	82.8	81.6
Other paid-in capital	4.4	11.5	17.9	19.4	21.5	24.0	23.9	27.7	31.0	33.3	35.5	37.6
Retained earnings	9.4	14.7	19.4	21.0	22.7	25.0	24.8	27.9	31.9	37.1	41.1	46.0
Subsidiary earnings [5]	(x)	.6	.9	1.0	1.1	1.3	1.3	1.6	1.7	2.0	2.2	2.3
Long-term debt	41.9	70.8	88.3	95.7	105.3	115.5	115.2	124.0	131.6	140.7	152.7	157.2
Current and accrued liabilities	7.3	13.7	18.3	23.4	26.3	28.4	26.1	28.6	29.5	32.0	32.0	34.0
Deferred credits and operating reserves	.9	2.7	7.1	8.7	9.8	11.5	11.0	15.1	16.6	19.0	20.9	22.4
Deferred income taxes [6]	2.2	5.4	10.0	11.9	14.1	16.7	16.6	19.4	23.6	28.1	32.7	39.6
COMPOSITE INCOME ACCOUNTS												
Electric operating revenues	19.8	44.6	65.4	72.9	87.1	102.3	101.7	109.3	116.7	128.3	135.3	136.3
Electric operating expenses	*15.3*	*36.1*	*54.3*	*61.0*	*73.4*	*86.0*	*85.5*	*91.1*	*96.2*	*105.5*	*111.1*	*110.2*
Net electric operating revenues	4.5	8.5	11.1	11.8	13.6	16.3	16.2	18.1	20.5	22.8	24.1	26.1
Other utility operating income	.4	.5	.7	.7	.7	.9	.7	.9	.9	1.1	1.2	1.1
Total utility operating income	4.9	9.0	11.7	12.5	14.4	17.0	17.0	19.1	21.4	24.0	25.3	27.2
Other income	.8	2.2	2.5	3.1	3.6	4.4	4.4	5.3	6.5	6.8	7.4	7.2
Total income	5.7	11.3	14.3	15.6	18.0	21.4	21.3	24.4	28.0	30.8	32.7	34.4
Income deductions	*2.3*	*5.1*	*5.5*	*6.1*	*7.3*	*8.7*	*8.7*	*9.4*	*10.1*	*11.1*	*14.0*	*14.0*
Net income [7]	3.4	6.1	8.7	9.5	10.7	12.7	12.7	15.0	17.9	19.7	18.7	20.4

X Not applicable. [1] There were 197 utilities of this type in 1983. [2] There were 182 utilities of this type in 1986. [3] Includes construction work in progress. [4] Includes contributions in aid of construction through 1970. [5] Unappropriated undistributed. [6] Cumulative. [7] Beginning 1975, includes net extraordinary income.

Source: 1970–1975, U.S. Federal Power Commission and 1978–1981, U.S. Energy Information Administration, *Statistics of Privately Owned Electric Utilities in the United States*, annual; thereafter, U.S. Energy Information Administration, *Financial Statistics of Selected Electric Utilities*, annual.

NO. 959. NUCLEAR POWER PLANTS—NUMBER, CAPACITY, AND GENERATION: 1965 TO 1987

ITEM	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Operable generating units [1]	6	18	54	68	70	74	77	80	86	95	100	107
Net summer capability [1] [2] (mil. kW)	.8	7.0	37.2	49.6	51.7	55.9	59.9	63.0	69.7	79.4	85.2	93.7
Electricity generated (bil. kWh)	4	22	173	255	251	273	283	294	328	384	414	455
Percent of total electric utility generation	.4	1.4	9.0	11.4	11.0	11.9	12.6	12.7	13.6	15.5	16.6	17.7
Capacity factor [3]	(NA)	(NA)	56.0	58.5	56.4	58.4	56.7	54.4	56.3	57.9	56.9	57.4

NA Not available. [1] As of yearend. [2] Net summer capability is the peak steady hourly output that generating equipment is expected to supply to system load, exclusive of auxiliary and other powerplant, as demonstrated by test at the time of summer peak demand. [3] Weighted average of monthly capacity factors. Monthly factors are derived by dividing actual monthly generation by the maximum possible generation for the month (hours in month times net maximum dependable capacity).

Source: U.S. Energy Information Administration, *Annual Energy Review*.

NO. 960. COMMERCIAL NUCLEAR POWER GENERATION, BY COUNTRY: 1970 TO 1987

[Generation for **calendar years;** other data as of **December**. Excludes Communist countries]

COUNTRY	REACTORS				ELECTRICITY GENERATED [1] (bil. kWh)				GROSS CAPACITY (1,000 kW)			
	1970	1980	1985	1987	1970	1980	1985	1987	1970	1980	1985	1987
Total	**64**	**208**	**295**	**339**	**73.9**	**617.8**	**1,259.6**	**1,491.7**	**15,186**	**128,847**	**223,485**	**271,145**
U.S.	15	74	89	108	23.2	265.2	399.1	480.9	5,211	56,529	80,327	99,702
Argentina	-	1	2	2	-	2.3	4.8	6.5	-	357	1,005	1,005
Belgium	1	3	7	7	.3	12.5	34.5	42.0	11	1,744	5,709	5,718
Brazil	-	-	1	1	-	-	3.4	.1	-	-	657	657
Canada	1	9	15	18	.9	40.4	62.9	80.6	220	5,588	10,332	12,864
China: Taiwan	-	2	6	6	-	8.2	28.7	33.1	-	1,272	5,146	5,146
Great Britain	27	33	37	38	26.5	37.2	59.6	56.2	4,783	9,012	12,280	12,940
Finland	-	4	4	4	-	7.0	18.8	19.4	-	2,296	2,400	2,400
France	4	22	44	53	5.7	61.2	224.0	265.5	1,606	15,412	38,595	52,095
India	2	4	5	6	2.2	2.9	4.4	5.5	400	860	1,095	1,330
Italy	3	4	3	3	3.3	2.2	7.0	.2	631	1,490	1,330	1,330
Japan	3	22	33	38	3.3	81.0	152.0	186.2	828	15,117	24,686	28,046
Netherlands	1	2	2	2	.4	4.2	3.9	3.6	55	529	540	540
Pakistan	-	1	1	1	-	.1	.3	3	-	137	137	137
South Africa	-	-	2	2	-	-	5.7	6.6	-	-	1,930	1,930
South Korea	-	1	4	7	-	3.5	16.5	37.8	-	587	2,866	5,808
Spain	1	3	8	8	.9	5.2	28.0	41.2	160	1,117	5,812	5,812
Sweden	1	8	12	12	(Z)	26.7	58.6	67.2	12	5,770	9,915	10,095
Switzerland	1	4	5	5	1.9	14.3	22.4	23.0	364	2,034	3,079	3,079
West Germany	4	11	16	19	5.3	43.7	125.7	130.5	907	8,996	16,912	19,848
Yugoslavia	-	-	1	1	-	-	4.1	4.5	-	-	664	664

- Represents zero. Z Less than 50 million kWh. [1] Gross.

Source: McGraw-Hill, Inc., New York, NY, *Nucleonics Week*, January issues. (Copyright.)

NO. 961. URANIUM SUPPLY, ENRICHMENT, AND DISCHARGED COMMERCIAL REACTOR FUEL: 1970 TO 1987

[Years ending **Dec. 31,** except as noted. For explanation of kilogram, see weights and measures]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
URANIUM (U_3O_8)											
Production	Mil. lb.	25.81	23.20	43.70	38.47	26.87	21.16	14.88	11.31	13.51	13.01
Exports	Mil. lb.	4.20	1.00	5.80	4.40	6.20	3.30	2.20	5.30	1.60	1.09
Imports	Mil. lb.	-	1.40	3.60	6.60	17.10	8.20	12.50	11.70	13.50	14.80
Delivered price	Dol./lb	(NA)	10.50	26.00	32.20	38.37	38.21	32.65	31.43	30.01	27.37
ENRICHMENT											
Enriched product [1]	Mil. Swu [2]	5.10	9.92	10.69	11.50	12.36	[3] 8.46	[4] 11.2	[4] 10.2	[4] 8.6	[4] 8.1
For domestic customers	Mil. Swu [2]	3.74	4.36	6.89	7.19	6.69	[3] 4.69	[4] 5.8	[4] 6.0	[4] 4.9	[4] 3.4
For foreign customers	Mil. Swu [2]	1.36	5.56	3.80	4.31	5.67	[3] 3.77	[4] 5.4	[4] 4.2	[4] 3.7	[4] 4.7
Sales	Mil. dol	(NA)	376	1,379	1,445	2,185	2,329	[4] 1,457	[4] 1,403	[4] 1,085	[4] 921
DISCHARGED COMMERCIAL REACTOR FUEL [5]											
Annual discharge	Metric tons	82	499	1,193	1,077	1,014	1,224	1,257	1,330	1,431	1,615
Inventory, yearend [6]	Metric tons	118	1,538	6,434	7,511	8,525	9,749	11,006	12,481	13,881	(NA)
On-site storage	Metric tons	(NA)	(NA)	(NA)	7,032	8,046	9,300	10,642	11,953	13,267	(NA)
Off-site storage	Metric tons	(NA)	(NA)	(NA)	479	479	449	364	528	614	(NA)

- Represents zero. NA Not available. [1] Based on sales. [2] Separative work units. The standard measure of enrichment services is based on operating tails assay in effect at the time the enriched product was placed in inventory. [3] Jan.–Sept. only. [4] Fiscal years. [5] Uranium content. Source: Nuclear Assurance Corporation, Atlanta, GA. [6] Reprocessed fuel not included as inventory.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review, Uranium Industry Annual* and unpublished data.

NO. 962. NUCLEAR POWER PLANTS—NUMBER OF UNITS, NET SUMMER CAPABILITY, AND NET GENERATION, BY STATE: 1987

DIVISION AND STATE	Number of units	NET SUMMER CAPABILITY		NET GENERATION	
		Nuclear, total (mil. kW)	Percent of total [1]	Nuclear, total (mil. kWh)	Percent of total [1]
U.S	**107**	**93.6**	**13.9**	**455,270**	**17.7**
N. Eng	**8**	**5.4**	**24.4**	**29,256**	**33.3**
ME	1	.8	35.8	4,043	48.4
NH	-	-	-	-	-
VT	1	.5	45.3	3,536	76.3
MA	2	.8	8.5	1,136	3.3
RI	-	-	-	-	-
CT	4	3.2	45.3	20,540	61.9
Mid. Atl	**18**	**16.3**	**21.3**	**80,606**	**26.7**
NY	6	4.8	15.6	22,926	19.5
NJ	4	3.9	28.8	22,697	57.7
PA	8	7.7	23.7	34,982	24.1
E. No. Cent	**22**	**19.1**	**17.3**	**83,407**	**19.0**
OH	2	2.0	7.9	7,513	6.3
IN	-	-	-	-	-
IL	12	11.5	36.1	50,194	45.7
MI	5	4.0	17.9	14,389	16.5
WI	3	1.5	13.7	11,311	25.7
W. No. Cent	**8**	**5.6**	**10.4**	**35,421**	**18.1**
MN	3	1.6	18.1	11,554	33.6
IA	1	.5	6.4	2,523	9.9
MO	1	1.2	7.7	6,284	11.4
ND	-	-	-	-	-
SD	-	-	-	-	-
NE	2	1.2	22.7	8,589	41.9
KS	1	1.1	11.9	6,471	21.0
So. Atl	**26**	**22.6**	**18.0**	**130,137**	**25.7**
DE	-	-	-	-	-
MD	2	1.7	17.2	10,070	27.8
DC	-	-	-	-	-
VA	4	3.4	26.4	18,145	42.5
So. Atl.—Con.					
WV	-	-	-	-	-
NC	5	4.7	23.7	28,600	36.3
SC	7	6.4	43.0	39,290	61.0
GA	3	2.6	13.9	15,259	17.8
FL	5	3.7	11.7	18,773	16.9
E. So. Cent	**8**	**8.3**	**14.3**	**18,857**	**8.7**
KY	-	-	-	-	-
TN	2	2.3	13.5	[2] –108	(X)
AL	5	4.9	25.8	11,248	16.2
MS	1	1.1	16.5	7,717	34.5
W. So. Cent	**4**	**3.7**	**3.8**	**23,693**	**6.9**
AR	2	1.7	17.8	11,369	31.3
LA	2	2.0	11.8	12,324	24.0
OK	-	-	-	-	-
TX	-	-	-	-	-
Mt	**4**	**4.0**	**8.2**	**13,632**	**6.3**
MT	-	-	-	-	-
ID	-	-	-	-	-
WY	-	-	-	-	-
CO	1	.2	3.1	174	.6
NM	-	-	-	-	-
AZ	3	3.8	26.2	13,458	28.1
UT	-	-	-	-	-
NV	-	-	-	-	-
Pac	**9**	**8.7**	**10.4**	**40,263**	**15.2**
WA	2	1.9	7.8	5,528	6.6
OR	1	1.1	9.8	4,348	10.9
CA	6	5.6	12.6	30,387	23.3
AK	-	-	-	-	-
HI	-	-	-	-	-

- Represents zero. X Not applicable. [1] For total capability and generation, see table 954. [2] Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Source: U.S. Energy Information Administration, *Electric Power Annual*, and *Inventory of Power Plants in the United States 1987*.

NO. 963. PRIVATELY OWNED GAS UTILITY INDUSTRY—BALANCE SHEET AND INCOME ACCOUNT: 1970 TO 1986

[**In millions of dollars.** The gas utility industry consists of pipeline and distribution companies. Excludes operations of companies distributing gas in bottles or tanks. See also *Historical Statistics, Colonial Times to 1970*, series S 205-218]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
COMPOSITE BALANCE SHEET										
Assets, total [1]	**34,929**	**50,286**	**70,245**	**75,725**	**86,894**	**95,003**	**100,499**	**98,933**	**104,478**	**104,011**
Total utility plant	38,541	49,384	62,710	66,767	72,917	78,479	82,038	83,118	88,121	91,667
Depreciation and amortization	*10,696*	*16,779*	*24,400*	*26,062*	*28,908*	*31,368*	*34,208*	*35,542*	*36,377*	*36,804*
Utility plant (net)	27,845	32,605	38,310	40,705	44,009	47,091	47,380	47,576	51,744	54,863
Investment and fund accounts [1]	3,024	9,196	14,097	15,625	19,368	20,750	21,531	21,872	23,871	21,828
Current and accrued assets	3,674	7,543	15,427	17,211	20,563	23,576	27,571	25,367	24,771	21,477
Deferred debits [2]	386	940	2,411	2,184	2,954	3,586	3,567	4,118	4,092	5,843
Liabilities, total [1]	**34,929**	**50,286**	**70,245**	**75,725**	**86,894**	**95,003**	**100,499**	**98,933**	**104,478**	**104,011**
Capitalization, total [1]	28,646	39,044	48,165	51,299	57,512	62,390	65,040	64,458	65,799	66,691
Capital stock [1]	12,965	19,500	27,135	29,262	33,041	36,161	38,488	38,959	39,517	39,901
Long-term debts	15,681	19,544	21,030	22,037	24,471	26,229	26,552	25,499	26,282	26,790
Current and accrued liabilities	4,832	8,158	16,024	18,107	22,134	23,809	25,150	23,043	26,125	23,815
Deferred income taxes [3]	788	2,052	3,798	4,144	4,972	5,473	6,537	7,000	7,769	8,365
Other liabilities and credits	663	1,032	2,257	2,175	2,276	3,331	3,772	4,432	4,785	5,140
COMPOSITE INCOME ACCOUNT										
Operating revenues, total	**16,380**	**30,550**	**66,931**	**85,807**	**101,593**	**115,673**	**116,096**	**115,491**	**103,945**	**80,971**
Operating expenses [4]	*14,306*	*27,460*	*62,887*	*81,517*	*96,917*	*110,259*	*110,142*	*109,165*	*98,320*	*75,468*
Operation and maintenance	11,636	22,957	56,281	74,433	89,108	101,548	100,495	98,953	88,572	66,053
Federal, State, and local taxes	1,569	2,763	4,294	4,653	5,056	5,694	6,508	7,146	6,590	6,109
Operating income	2,074	3,070	4,043	4,290	4,676	5,414	5,954	6,326	5,625	5,503
Utility operating income	2,159	3,221	4,296	4,633	5,087	5,819	6,303	6,647	6,030	5,936
Income before interest charges [1]	2,457	4,137	6,303	7,112	8,369	8,742	8,717	9,068	7,636	7,071
Net income [1]	1,427	2,502	4,206	4,377	5,145	5,072	5,158	5,619	3,785	3,380
Dividends	1,006	1,509	2,362	2,566	3,064	3,297	3,638	4,471	4,060	3,882

[1] Beginning 1975, not comparable with 1970 due to Federal Power Commission ruling requiring adoption of the equity method in reporting earnings of subsidiaries. [2] Includes capital stock discount and expense and reacquired securities. [3] Includes reserves for deferred income taxes. [4] Includes expenses not shown separately.

Source: American Gas Association, Arlington, VA, *Gas Facts*, annual. (Copyright.)

NO. 964. GAS UTILITY INDUSTRY—SUMMARY: 1970 TO 1986

[Covers natural, manufactured, mixed, and liquid petroleum gas. Based on questionnaire mailed to all privately and municipally owned gas utilities in U.S., except those with annual revenues less than $25,000. See also *Historical Statistics, Colonial Times to 1970*, series S 190-204]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Customers [1]	**1,000**	**41,482**	**44,555**	**46,478**	**47,225**	**47,947**	**48,415**	**48,799**	**49,325**	**49,971**	**50,710**
Residential	1,000	38,097	40,950	42,821	43,489	44,149	44,552	44,894	45,367	45,929	46,588
Commercial	1,000	3,131	3,367	3,423	3,500	3,564	3,631	3,676	3,730	3,816	3,893
Industrial and other	1,000	254	237	234	236	234	232	229	228	226	229
Sales [2]	**Tril. Btu** [3]	**16,044**	**14,863**	**15,440**	**15,413**	**15,375**	**14,183**	**12,858**	**13,162**	**12,616**	**11,126**
Residential	Tril. Btu	4,923	4,991	5,083	4,826	4,610	4,770	4,450	4,628	4,513	4,380
Percent of total	Percent	30.7	33.6	32.9	31.3	30.0	33.6	34.6	35.2	35.8	39.4
Commercial	Tril. Btu	2,007	2,387	2,486	2,453	2,376	2,471	2,298	2,396	2,338	2,238
Industrial	Tril. Btu	8,439	6,837	7,555	7,957	8,239	6,795	5,970	5,991	5,635	4,341
Other	Tril. Btu	674	648	316	177	150	147	140	147	130	167
Revenues [2]	**Mil. dol**	**10,283**	**19,101**	**38,947**	**48,303**	**56,110**	**63,200**	**65,837**	**67,496**	**63,293**	**51,194**
Residential	Mil. dol	5,207	8,445	14,833	17,432	19,180	23,700	26,173	27,485	26,864	24,750
Percent of total	Percent	50.6	44.2	38.1	36.1	34.2	37.5	39.8	40.7	42.4	48.3
Commercial	Mil. dol	1,620	3,302	6,624	8,183	9,286	11,666	12,659	13,205	12,722	11,268
Industrial	Mil. dol	3,181	6,745	16,961	22,215	27,124	27,200	26,315	26,094	23,086	14,503
Other	Mil. dol	274	608	530	473	520	634	690	712	621	673
Prices per mil. Btu [3]	**Dollars**	**.64**	**1.29**	**2.52**	**3.13**	**3.65**	**4.46**	**5.12**	**5.13**	**5.02**	**4.60**
Residential	Dollars	1.06	1.69	2.92	3.61	4.16	4.97	5.88	5.94	5.95	5.65
Commercial	Dollars	.81	1.38	2.66	3.34	3.91	4.72	5.51	5.51	5.44	5.03
Industrial	Dollars	.38	.99	2.24	2.79	3.29	4.00	4.41	4.36	4.10	3.34
Gas mains mileage	**1,000**	**913**	**980**	**1,030**	**1,052**	**1,070**	**1,083**	**1,095**	**1,102**	**1,119**	**1,134**
Field and gathering	1,000	66	68	78	84	86	90	92	94	94	94
Transmission	1,000	252	263	263	266	270	272	273	272	271	271
Distribution	1,000	595	649	688	702	714	721	730	736	754	769
Construction expenditures [4]	**Mil. dol**	**2,506**	**2,466**	**4,366**	**5,350**	**6,389**	**5,939**	**4,078**	**4,845**	**5,671**	**5,342**
Transmission	Mil. dol	1,019	590	1,226	1,583	2,352	1,921	1,065	1,301	1,562	1,448
Distribution	Mil. dol	913	910	1,448	1,869	1,995	1,881	1,845	2,266	2,577	2,920
Production and storage	Mil. dol	370	831	1,406	1,546	1,672	1,690	746	543	965	383

[1] Annual average. [2] Excludes sales for resale. [3] For definition, see text, section 19. [4] Includes general.

Source: American Gas Association, Arlington, VA, *Gas Facts*, annual. (Copyright.)

No. 965. GAS UTILITY INDUSTRY—CUSTOMERS, SALES, AND REVENUES, BY STATE: 1986

[See headnote, table 964]

DIVISION AND STATE	CUSTOMERS [1] (1,000)		SALES [3] (tril. Btu [4])		REVENUES [3] (mil. dol.)	
	Total [2]	Residential	Total [2]	Residential	Total [2]	Residential
U.S	**50,710**	**46,588**	**11,126**	**4,380**	**51,194**	**24,750**
N. Eng	**1,873**	**1,711**	**315**	**157**	**2,054**	**1,187**
ME	15	12	3	1	18	5
NH	59	51	11	5	68	35
VT	19	17	5	2	27	12
MA	1,149	1,056	190	97	1,200	699
RI	189	174	28	16	190	121
CT	441	401	79	37	551	317
Mid. Atl	**3,453**	**7,811**	**1,416**	**763**	**8,628**	**5,262**
NY	4,051	3,774	589	339	3,833	2,498
NJ	2,002	1,802	331	164	1,998	1,149
PA	2,400	2,235	497	260	2,797	1,615
E. No. Cent	**11,262**	**10,369**	**2,615**	**1,383**	**12,864**	**7,379**
OH	2,824	2,611	577	340	3,033	1,882
IN	1,330	1,214	337	144	1,572	776
IL	3,386	3,106	871	450	3,955	2,197
MI	2,592	2,408	571	337	2,965	1,839
WI	1,130	1,030	259	112	1,340	686
W. No. Cent	**4,425**	**3,986**	**1,034**	**435**	**4,357**	**2,108**
MN	935	847	235	103	1,069	535
IA	766	683	199	75	836	376
MO	1,254	1,157	242	124	1,104	624
ND	95	83	21	9	103	49
SD	111	99	23	11	105	54
NE	469	407	103	43	414	197
KS	794	710	211	70	727	272
So. Atl	**4,516**	**4,122**	**1,072**	**330**	**5,096**	**2,146**
DE	87	81	22	7	115	49
MD	809	750	123	69	755	457
DC	146	131	30	13	204	97
So. Atl.—Con.						
VA	585	527	125	47	669	306
WV	387	355	72	40	400	241
NC	467	412	130	32	608	205
SC	325	291	93	18	422	114
GA	1,247	1,154	237	90	1,222	579
FL	463	421	240	14	701	98
E. So. Cent	**2,315**	**2,083**	**523**	**173**	**2,293**	**917**
KY	648	587	120	61	545	294
TN	564	488	145	41	615	197
AL	698	644	155	46	719	288
MS	405	364	103	25	414	138
W. So. Cent	**5,869**	**5,354**	**2,042**	**363**	**6,865**	**1,827**
AR	533	471	112	38	411	160
LA	990	923	207	58	781	316
OK	898	810	158	69	621	328
TX	3,448	3,150	1,566	200	5,052	1,023
Mt	**3,092**	**2,799**	**507**	**233**	**2,270**	**1,172**
MT	189	167	37	18	156	75
ID	119	102	21	8	107	47
WY	126	113	30	12	125	58
CO	1,044	933	165	81	759	405
NM	375	337	60	27	267	141
AZ	594	548	71	26	338	158
UT	433	403	92	49	360	216
NV	212	195	32	12	158	72
Pac	**8,906**	**8,355**	**1,602**	**544**	**6,768**	**2,751**
WA	414	363	117	32	552	191
OR	312	272	64	20	321	126
CA	8,071	7,626	1,376	480	5,750	2,386
AK	76	65	42	12	107	39
HI	33	29	3	1	37	9

[1] Averages for the year. [2] Includes other service, not shown separately. [3] Excludes sales for resale. [4] For definition, see headnote, table 926.

Source: American Gas Association, Arlington, VA, *Gas Facts*, annual. (Copyright.)

NO. 966. WOOD ENERGY CONSUMPTION, BY REGION AND SECTOR: 1980 TO 1984

[**In trillions of Btu, except percent.** For composition of regions, see fig. I, inside front cover]

YEAR	Total	Percent of total energy consumption	REGION				SECTOR		
			Northeast	Midwest	South	West	Residential	Industrial	Commercial
1980	2,483	3.2	386	329	1,380	388	859	1,600	21
1981	2,412	3.2	389	331	1,291	402	869	1,519	21
1982	2,395	3.3	351	339	1,334	372	937	1,434	22
1983	2,556	3.5	369	318	1,471	396	925	1,606	22
1984	2,633	3.4	349	341	1,482	461	923	1,679	22

NO. 967. HOUSEHOLDS THAT BURN WOOD: 1980 TO 1984

[Data are not available for 1983. Based on Residential Energy Consumption Survey; see Appendix III]

ITEM	Unit	HOUSEHOLDS THAT BURN WOOD				HOUSEHOLDS THAT BURN WOOD AS MAIN HEATING FUEL		
		1980	1981	1982	1984	1980	1981	1982
Number of households	Millions	21.6	22.8	21.4	22.9	4.7	5.3	5.6
Percent of all households	Percent	26.4	27.4	25.6	26.6	5.8	6.4	6.7
Number of cords burned	Millions	42.7	44.0	48.6	49.0	22.4	24.7	28.7
Average number per household	Number	2.0	1.9	2.3	2.1	4.7	4.6	5.1
Median number per household	Number	.7	1.0	1.0	1.0	3.3	3.0	4.0
Wood energy consumption	Tril. Btu	854	881	971	981	448	493	574

Source of tables 966 and 967: U.S. Energy Information Administration, *Annual Energy Review.*

NO. 968. WATER POWER—DEVELOPED AND UNDEVELOPED CAPACITY, BY DIVISION: 1950 TO 1987

[**In millions of kilowatts.** As of **Dec. 31.** Excludes Alaska and Hawaii for 1950 and all capacity of reversible equipment at pum storage projects. Also excludes capacity precluded from development due to wild and scenic river legislation. For compositio division, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970,* series S 160–175]

DIVISION	DEVELOPED INSTALLED CAPACITY							ESTIMATED UNDEVELOPED CAPACITY					
	1950	1960	1970	1980	1985	1986	1987	1950	1960	1970	1980	1985	1986
U.S	**18.7**	**33.2**	**52.0**	**64.4**	**68.8**	**69.6**	**70.8**	**87.6**	**114.2**	**128.0**	**129.9**	**76.4**	**74.4**
New England	1.2	1.5	1.5	1.5	1.7	1.7	1.8	3.3	2.9	3.3	4.7	4.4	4.3
Middle Atlantic	1.7	2.5	4.3	4.3	4.5	4.6	4.7	6.6	7.6	4.5	5.1	5.4	5.2
E. No. Central	.9	.9	.9	.9	1.1	1.1	1.1	2.3	3.0	1.6	2.0	1.8	1.8
W. No. Central	.6	1.6	2.7	2.8	2.9	3.0	3.0	5.8	6.4	4.4	3.4	3.1	3.0
South Atlantic	2.8	3.8	5.3	5.9	6.5	6.7	6.7	8.2	8.4	9.6	9.6	7.4	7.3
E. So. Central	2.7	3.8	5.2	5.6	5.9	5.9	5.9	4.7	4.6	3.8	3.3	2.7	2.9
W. So. Central	.5	.9	1.9	2.3	2.3	2.3	2.3	3.6	3.9	3.3	4.7	5.4	5.2
Mountain	2.3	4.6	6.2	7.4	8.1	8.2	8.3	23.4	23.6	26.7	34.2	19.4	19.2
Pacific	6.0	13.6	23.9	33.7	35.8	36.1	37.0	29.8	53.[illegible]	70.9	62.9	26.8	26.1

Source: U.S. Federal Energy Regulatory Commission, (formerly U.S. Federal Power Commission), *Hydroelectric Power Resou of the United States, Developed and Undeveloped,* January 1, 1984; and unpublished data.

NO. 969. SOLAR COLLECTOR SHIPMENTS, BY TYPE, END-USE, AND MARKET SECTOR: 1974 TO 198

[**In thousands of square feet, except number of manufacturers.** Solar collector is a device for intercepting sunlight, convert the sunlight to heat, and carrying the heat to where it will be either used or stored. 1985 data are not available]

YEAR	Number of manufacturers	Total shipments[1]	COLLECTOR TYPE		END USE			MARKET SECTOR	
			Low temperature	Medium temperature, special, other	Pool heating	Hot water	Space heating	Residential	Commercial
1974	45	1,274	1,137	137	(NA)	(NA)	(NA)	(NA)	(NA)
1975	131	3,743	3,026	717	(NA)	(NA)	(NA)	(NA)	(NA)
1976	186	5,801	3,876	1,925	(NA)	(NA)	(NA)	(NA)	(NA)
1977	321	10,312	4,743	5,569	6,334	1,713	1,699	7,978	1,680
1978	340	10,860	5,872	4,988	5,970	2,513	1,736	8,095	1,848
1979	349	14,251	8,395	5,857	8,551	2,958	1,722	11,387	2,015
1980	233	19,398	12,233	7,165	12,029	4,790	1,688	16,077	2,417
1981	203	20,133	8,677	11,456	9,781	7,204	2,017	15,773	2,561
1982	265	18,621	7,476	11,145	7,035	7,444	2,367	13,729	3,789
1983	203	16,828	4,853	11,975	4,839	9,323	2,082	11,780	3,039
1984	224	16,419	4,479	11,939	4,427	8,930	2,370	13,980	2,091
1986[2]	97	4,862	3,751	1,111	3,494	1,181	127	4,131	703

NA Not available. [1] Includes other end uses and market sectors not shown separately. [2] Declines between 1984 1986 are primarily due to the expiration of the Federal energy tax credit and industry consolidation.

Source: U.S. Energy Information Administration, *Solar Collector Manufacturing Activity,* annual.

Section 20

Science

This section presents statistics on scientific, engineering, and technological resources, with emphases on patterns of research and development (R&D) funding and on scientific, engineering, and technical personnel, education, and employment. Also included are statistics on space program outlays and accomplishments. Principal sources of these data are the National Science Foundation (NSF) and the National Aeronautics and Space Administration (NASA).

NSF gathers data chiefly through recurring surveys. Current NSF publications containing data on funds for research and development and on scientific and engineering personnel include the *Science Resources Studies Highlights* summaries series; and annual, biennial, triennial, and special reports. Titles or the areas of coverage of some of these reports are as follows: *Science and Engineering Indicators; National Patterns of Science and Technology Resources; Science and Engineering Personnel—A National Overview; Women and Minorities in Science and Engineering;* science and technology data presented in chart and tabular form in a pocket-size publication; *International Science and Technology Resources Data Update;* profiles on human resources and funding in individual fields of science and engineering; *Federal R&D Funds for Research and Development; Federal R&D Funding by Budget Function; Federal Support to Universities, Colleges, and Selected Nonprofit Institutions; Geographic Distribution of Industrial R&D Expenditures; Research and Development in Industry;* R&D funds and graduate enrollment and support in academic science and engineering; characteristics of doctoral scientists and engineers and of recent graduates in the United States; *U.S. Scientists and Engineers;* and scientists, engineers, and technicians in manufacturing, nonmanufacturing, and trade and regulated industries. Statistical surveys in these areas pose particularly difficult problems of concept and definition and the data should, therefore, be regarded as broad estimates rather than precise quantitative statements. Detailed discussions of the scope and limitations of the data appear in the publications.

The National Science Board's biennial *Science Indicators* publication contains data and analyses of international and domestic science and technology, including measures of inputs and outputs. *The Budget of the United States Government,* published by the U.S. Office of Management and Budget, contains summary financial data on Federal R&D programs.

Research and development outlays.—NSF defines research as a "systematic and intensive study directed toward a fuller knowledge of the subject studied" and development as "the systematic use of scientific knowledge directed toward the production of useful materials, devices, systems, methods, or processes." National coverage of R&D expenditures is developed primarily from periodic surveys in four principal economic sectors: *(1) Government,* made up primarily of Federal executive agencies; *(2) industry,* consisting of manufacturing and nonmanufacturing firms and the federally funded research and development centers (FFRDCs) they administer; *(3) universities and colleges,* composed of universities, colleges, and their affiliated institutions, agricultural experiment stations, and associated schools of agriculture, and FFRDCs administered by educational institutions; and *(4) other nonprofit institutions,* consisting of such organizations as private philanthropic foundations, nonprofit research institutes, voluntary health agencies, and FFRDCs administered by nonprofit organizations. The R&D funds reported consist of current operating costs, including planning and administration costs, except as otherwise noted. They exclude funds for routine testing, mapping and surveying, collection of general-purpose data, dissemination of scientific information, and training of scientific personnel.

Scientists, engineers, and technicians.—Scientists and engineers are defined as persons engaged in scientific and engineering work at a level requiring a knowledge of sciences equivalent at least to that acquired through completion of a 4-year college course. Technicians are defined as persons engaged in technical work at a level requiring knowledge acquired through a technical institute, junior college, or other type of training less extensive than 4-year college training. Craftsmen and skilled workers are excluded.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

No. 970. Research and Development (R&D)—Outlays: 1955 to 1987

[Includes basic research, applied research, and development. Defense-related outlays comprise all research and development spending by Dept. of Defense, including space activities, and a portion of Department of Energy funds. Space-related outlays are those of the National Aeronautics and Space Administration; they exclude space activities of other Federal agencies, estimated at less than 5 percent of all space research and development spending. Minus sign (–) indicates decrease]

YEAR OR PERIOD	CURRENT DOLLARS (bil. dol.)			CONSTANT (1982) DOLLARS [1]		ANNUAL PERCENT CHANGE [3]		PERCENT OF TOTAL R&D OUTLAYS					
								Federally funded defense/space-related			Other outlays		
	Total	Defense space related	Other	Total (bil. dol.)	Percent of GNP [2]	Current dollars	Constant dollars	Total	Defense	Space	Total	Non-Federal	Federal
1955	6.2	3.0	3.1	22.8	1.5	9.4	6.1	49	48	1	51	43	8
1960	13.5	7.4	6.1	43.6	2.6	13.8	11.4	55	52	3	45	35	9
1961	14.3	8.0	6.3	45.8	2.7	5.9	4.8	56	50	6	44	35	9
1962	15.4	8.5	6.9	48.2	2.7	7.5	5.3	55	48	7	45	36	9
1963	17.1	9.4	7.7	52.6	2.8	10.8	9.2	55	41	14	45	34	11
1964	18.9	10.6	8.3	57.2	2.9	10.5	8.8	56	37	19	44	34	9
1965	20.0	10.8	9.2	59.4	2.8	6.3	3.8	54	33	1	46	35	11
1966	21.8	11.4	10.5	62.6	2.8	9.0	5.5	52	33	19	48	36	12
1967	23.1	11.3	11.8	64.4	2.8	6.0	2.9	49	35	14	51	38	13
1968	24.6	11.8	12.8	65.5	2.8	6.3	1.6	48	35	13	52	39	13
1969	25.6	11.5	14.1	64.7	2.7	4.2	−1.2	45	34	11	55	42	13
1970	26.1	11.2	14.9	62.4	2.6	2.0	−3.5	43	33	10	57	43	14
1971	26.7	10.9	15.7	60.4	2.4	2.1	−3.2	41	32	9	59	44	15
1972	28.5	11.7	16.8	61.4	2.4	6.8	1.7	41	32	9	59	44	15
1973	30.7	11.7	19.0	62.4	2.3	7.9	1.6	38	30	8	62	47	15
1974	32.9	11.5	21.4	61.5	2.2	7.0	−1.5	35	27	8	65	49	16
1975	35.2	12.0	23.2	59.9	2.2	7.1	−2.6	34	26	8	66	49	17
1976	39.0	13.3	25.7	62.1	2.2	10.8	3.8	34	26	8	66	49	17
1977	42.8	14.1	28.7	63.7	2.2	9.6	2.4	33	26	7	67	50	17
1978	48.1	14.9	33.2	66.8	2.1	12.5	4.9	31	25	6	69	50	19
1979	54.9	15.9	39.0	70.1	2.2	14.1	5.0	29	23	6	70	51	19
1980	62.6	17.5	45.1	73.2	2.3	13.9	4.5	28	22	6	72	53	19
1981	71.9	20.9	51.0	76.6	2.4	14.8	3.9	29	24	5	71	54	17
1982	79.4	23.8	55.6	79.4	2.5	10.4	3.6	30	26	4	70	54	16
1983	87.3	27.9	59.4	84.0	2.6	10.0	5.8	32	28	4	68	53	15
1984	97.8	32.3	65.5	90.7	2.6	12.0	8.0	33	30	3	67	54	13
1985	107.8	37.7	70.1	97.0	2.7	10.2	7.0	35	32	3	64	52	13
1986	112.5	40.5	72.0	98.6	2.7	4.4	1.6	36	33	3	64	52	12
1987, est	117.9	43.6	74.3	100.1	2.6	4.8	1.5	37	34	3	64	52	12

[1] Based on GNP implicit price deflator. [2] GNP=Gross national product. [3] Change from prior year shown; 1955 change from 1954.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual, and unpublished data.

No. 971. Research and Development (R&D)—Source of Funds and Performance Sector: 1960 to 1987

[In millions of dollars. See headnote, table 972]

YEAR	Total	SOURCE OF FUNDS				PERFORMANCE SECTOR				
		Federal Govt.	Industry	Univ., colleges	Other [1]	Federal Govt.	Industry	Univ., colleges	Associated FFRDC's [1]	Other [2]
Current dollars:										
1960	13,523	8,738	4,516	149	120	1,726	10,509	646	360	282
1970	26,134	14,892	10,444	461	337	4,079	18,067	2,335	737	916
1975	35,213	18,109	15,820	749	535	5,354	24,187	3,409	987	1,276
1980	62,594	29,453	30,914	1,326	901	7,632	44,505	6,061	2,246	2,150
1981	71,866	33,404	35,946	1,555	961	8,425	51,810	6,845	2,486	2,300
1982	79,364	36,512	40,101	1,735	1,016	9,141	57,995	7,324	2,479	2,425
1983	87,280	40,691	43,524	1,936	1,129	10,582	63,403	7,883	2,737	2,675
1984	97,793	45,377	49,107	2,107	1,202	11,572	71,470	8,623	3,118	3,010
1985	107,757	51,668	52,358	2,377	1,354	12,945	78,269	9,694	3,529	3,320
1986	112,495	54,330	53,949	2,789	1,427	13,535	80,629	10,926	3,900	3,505
1987, est	117,882	56,391	56,722	3,145	1,624	13,413	84,600	12,062	4,202	3,585
Constant (1982) dollars: [3]										
1960	43,648	28,191	14,591	479	387	5,548	33,955	2,077	1,157	911
1970	62,405	35,636	24,851	1,111	807	9,834	42,986	5,629	1,777	2,179
1975	59,863	30,966	26,679	1,302	916	9,308	40,781	5,927	1,716	2,131
1980	73,237	34,548	36,067	1,565	1,057	9,006	51,919	7,152	2,650	2,510
1981	76,636	35,684	38,259	1,666	1,027	9,039	55,140	7,344	2,667	2,446
1982	79,364	36,512	40,101	1,735	1,016	9,141	57,995	7,324	2,479	2,425
1983	83,964	39,116	41,905	1,857	1,085	10,153	61,047	7,563	2,626	2,576
1984	90,684	42,042	45,582	1,947	1,113	10,696	66,342	7,970	2,862	2,794
1985	96,999	46,463	47,188	2,131	1,217	11,607	70,544	8,692	3,164	2,992
1986	98,599	47,567	47,349	2,434	1,249	11,813	70,771	9,536	3,404	3,076
1987, est	100,059	47,821	48,201	2,660	1,377	11,344	71,896	10,216	3,554	3,047

[1] University associated federally-funded R&D centers. [2] Nonprofit institutions. [3] Based on gross national product implicit price deflator.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

No. 972. Research and Development (R&D) Funds, by Performance Sector and Source: 1970 to 1987

[In millions of dollars, except percent. Data primarily on calendar year basis—calendar year data for industry and other nonprofit institutions combined with Federal and university fiscal year data. Data refer, in general, to natural sciences including engineering, and to social sciences in all but industry sector. Excludes capital expenditures data. Expenditures at associated federally funded research and development centers administered by industry and other nonprofit institutions included in totals of respective sectors. See also *Historical Statistics, Colonial Times to 1970*, series W 109-125]

PERFORMANCE SECTOR AND SOURCE OF FUNDS	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total R&D [1]	**26,134**	**35,213**	**62,594**	**71,866**	**79,364**	**87,280**	**97,793**	**107,757**	**112,495**	**117,882**
In 1982 dollars [2]	62,405	59,883	73,237	76,636	79,364	83,964	90,664	96,999	98,599	100,059
Percent Federal as source	57.1	51.7	47.2	46.6	46.0	46.6	46.4	47.9	48.2	47.8
Percent of gross national product	2.6	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.7	2.6
Federal Government	4,079	5,354	7,632	8,425	9,141	10,582	11,572	12,945	13,535	13,413
Industry	18,067	24,187	44,505	51,810	57,995	63,403	71,470	78,269	80,629	84,600
Federal funds	7,779	8,605	14,029	16,382	18,483	20,542	23,162	26,830	27,782	29,100
Industry funds	10,288	15,582	30,476	35,428	39,512	42,861	48,308	51,439	52,847	55,500
Universities and colleges	2,335	3,409	6,061	6,845	7,324	7,883	8,623	9,694	10,926	12,082
Federal funds	1,648	2,288	4,096	4,561	4,759	4,980	5,425	6,064	6,713	7,326
Industry funds	61	113	238	293	339	386	474	559	692	777
University and college funds [3]	461	749	1,326	1,555	1,735	1,938	2,107	2,377	2,789	3,145
Other nonprofit institutions funds [3]	165	259	401	436	491	579	617	694	732	834
Universities and colleges, associated federally funded R&D centers	737	987	2,246	2,486	2,479	2,737	3,118	3,529	3,900	4,202
Other nonprofit institutions	916	1,276	2,150	2,300	2,425	2,675	3,010	3,320	3,505	3,585
Federal funds	649	875	1,450	1,550	1,650	1,850	2,100	2,300	2,400	2,350
Industry funds	95	125	200	225	250	275	325	360	410	445
Other [4]	172	276	500	525	525	550	585	660	695	790
Total research, basic and applied	**9,269**	**12,550**	**22,307**	**26,274**	**28,721**	**31,712**	**34,665**	**38,288**	**40,335**	**42,883**
In 1982 dollars [2]	22,199	21,495	26,172	28,069	28,721	30,485	32,118	34,431	35,313	36,363
Percent Federal as source	60.2	57.4	55.5	53.0	52.3	52.9	52.2	53.1	53.2	52.8
Federal Government	1,904	2,464	3,666	4,034	4,194	4,710	4,764	5,056	5,160	5,438
Industry	4,029	5,300	9,775	12,313	14,055	15,657	17,503	19,537	20,118	20,940
Federal funds	1,207	1,287	2,190	2,641	3,330	4,077	4,653	5,757	5,961	6,050
Industry funds	2,822	4,013	7,585	9,672	10,725	11,580	12,850	13,780	14,157	14,890
Universities and colleges	2,223	3,261	5,719	6,457	6,901	7,440	8,135	9,108	10,211	11,315
Federal funds	1,564	2,210	3,887	4,336	4,524	4,735	5,155	5,744	6,333	6,926
Industry funds	56	106	222	272	314	362	442	518	637	717
University and college funds [3]	448	702	1,236	1,444	1,608	1,804	1,963	2,203	2,567	2,902
Other nonprofit institutions funds [3]	155	243	374	405	455	539	575	643	674	770
Universities and colleges, associated federally funded R&D centers	485	652	1,662	1,865	1,891	2,085	2,303	2,502	2,711	2,910
Other nonprofit institutions	628	873	1,485	1,605	1,680	1,820	1,960	2,085	2,135	2,280
Federal funds	409	545	930	1,010	1,075	1,180	1,250	1,300	1,300	1,350
Industry funds	77	103	160	180	200	220	260	285	320	350
Other [4]	142	225	395	415	405	420	450	500	515	580
Total basic research	**3,549**	**4,738**	**8,415**	**9,591**	**10,410**	**11,583**	**12,706**	**13,933**	**15,311**	**16,505**
In 1982 dollars [2]	8,527	8,177	9,902	10,269	10,410	11,124	11,758	12,510	13,382	13,976
Percent of total R&D	13.7	13.7	13.5	13.4	13.1	13.2	13.0	12.9	13.6	14.0
Percent Federal as source	70.2	69.2	70.2	69.0	68.2	67.2	66.2	65.7	64.9	64.4
Federal Government	577	734	1,182	1,302	1,465	1,690	1,861	1,923	2,019	2,046
Industry	602	730	1,325	1,614	1,880	2,152	2,475	2,622	2,790	2,940
Federal funds	158	157	290	301	380	460	471	482	513	550
Industry funds	444	573	1,035	1,313	1,500	1,692	2,004	2,140	2,277	2,390
Universities and colleges	1,796	2,410	4,024	4,589	4,883	5,324	5,731	6,556	7,512	8,301
Federal funds	1,296	1,694	2,852	3,251	3,403	3,565	3,826	4,348	4,900	5,354
Industry funds	40	72	142	172	196	235	282	340	429	481
University and college funds [3]	350	478	791	911	1,001	1,173	1,255	1,446	1,729	1,949
Other nonprofit institutions funds [3]	110	166	239	255	283	351	368	422	454	517
Universities and colleges, associated federally funded R&D centers	269	439	1,124	1,261	1,317	1,472	1,609	1,712	1,820	1,963
Other nonprofit institutions	305	425	760	825	865	945	1,030	1,120	1,170	1,255
Federal funds	189	245	450	495	535	600	650	690	700	725
Industry funds	44	60	95	105	115	125	150	165	190	210
Other [4]	72	120	215	225	215	220	230	265	280	320
Total development	**16,865**	**22,663**	**40,287**	**45,592**	**50,643**	**55,568**	**63,128**	**69,469**	**72,160**	**74,999**
In 1982 dollars [2]	40,206	38,388	47,064	48,569	50,643	53,479	58,566	62,568	63,286	63,696
Percent of total R&D	64.4	64.1	64.3	63.4	63.8	63.7	64.6	64.5	64.2	63.7
Percent Federal as source	55.4	48.5	42.6	42.9	42.5	43.0	43.1	45.0	45.5	44.9

[1] Basic research, applied research, and development. [2] Based on gross national product implicit price deflator. [3] Includes State and local government funds received by these institutions and used for research and development. [4] Includes estimates for independent nonprofit hospitals and voluntary health agencies.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

No. 973. National Research and Development (R&D) Expenditures as a Percent of Gross National Product, by Country: 1972 to 1987

YEAR	TOTAL R&D						NON DEFENSE R&D [1]				
	United States	France	West Germany	Japan	United Kingdom	Soviet Union [1]	United States	France	West Germany	Japan	United Kingdom
1972	2.3	1.9	2.2	1.9	2.1	3.7	1.6	1.5	2.1	1.9	1.5
1975	2.2	1.8	2.2	2.0	2.1	3.8	1.6	1.5	2.1	2.0	1.5
1979	2.2	1.8	2.4	2.1	(NA)	3.6	1.6	1.4	2.3	2.1	(NA)
1980	2.3	1.8	2.4	2.2	(NA)	3.8	1.7	1.4	2.3	2.2	(NA)
1981	2.4	2.0	2.5	2.3	2.4	3.8	1.8	1.5	2.4	2.3	1.7
1982	2.5	2.1	2.6	2.4	(NA)	3.7	1.8	1.6	2.5	2.4	(NA)
1983	2.6	2.1	2.6	2.6	2.2	3.8	1.8	1.7	2.5	2.5	1.8
1984	2.6	2.2	2.6	2.6	(NA)	4.0	1.8	1.7	2.5	2.6	(NA)
1985	2.7	2.3	2.8	2.8	2.3	3.7	1.8	1.8	2.6	2.8	1.8
1986	2.7	2.3	2.7	2.8	2.4	3.8	1.8	1.8	2.6	2.8	1.8
1987	2.6	2.3	2.8	(NA)	(NA)	(NA)	1.9	1.9	2.6	(NA)	(NA)

NA Not available. [1] Estimated.

Source: U.S. National Science Foundation, *Science Indicators*, biennial; *National Patterns of Science and Technology Resources*, annual; and *International Science and Technology Data Update*, annual.

No. 974. Federal Funding for Research and Development, by Budget Function: 1975 to 1989

[**In millions of dollars. For fiscal years ending in year shown**; see text, section 9. Excludes R&D plant. Data for 1975 are shown in obligations; thereafter, are shown in budget authority. See *Historical Statistics, Colonial Times to 1970*, series W 126, for total obligations]

FUNCTION	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.	1989, est.
Total [1]	**19,039**	**29,739**	**33,735**	**36,115**	**38,768**	**44,214**	**49,887**	**53,249**	**57,069**	**59,204**	**62,892**
National defense	9,679	14,946	18,413	22,070	24,936	29,287	33,698	36,926	39,152	40,300	41,318
Health	2,170	3,694	3,871	3,869	4,298	4,779	5,418	5,565	6,556	7,087	7,849
Space research and technology	2,764	2,738	3,111	2,584	2,134	2,300	2,725	2,894	3,398	3,574	4,733
General science	813	1,233	1,340	1,359	1,502	1,676	1,862	1,873	2,042	2,150	2,533
Energy	1,363	3,603	3,501	3,012	2,578	2,581	2,389	2,286	2,053	2,126	2,471
Transportation	635	887	869	791	876	1,040	1,030	917	908	918	1,064
Natural resources and environment	624	999	1,061	965	952	963	1,059	1,062	1,133	1,163	1,061
Agriculture	342	585	659	693	745	762	836	815	822	876	850
Education, training, employment [2]	239	468	298	228	189	200	220	248	267	290	295
International affairs	29	125	160	165	177	192	210	211	223	208	189
Veterans benefits and services	95	126	143	139	157	218	193	183	215	210	206
Commerce and housing credit	65	101	106	104	107	110	114	111	110	121	131
Administration of justice	44	45	34	31	37	24	47	41	49	43	55
Community and regional develop	93	119	104	63	44	46	50	88	99	102	93

[1] Includes functions not shown separately. [2] Includes social services.

Source: U.S. National Science Foundation, *Federal R&D Funding by Budget Function*, annual.

No. 975. Federal Obligations for Research and Development, by Agency: 1975 to 1988

[**In millions of dollars, except percent. For fiscal years ending in year shown**; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series W 142, for total R&D expenditures. Minus sign (–) indicates decline]

AGENCY	1975	1980	1982	1983	1984	1985	1986	1987, est.	1988, est.	PERCENT CHANGE	
										1986–87	1987–88
Obligations, total	**19,039**	**29,830**	**36,433**	**38,712**	**42,225**	**48,360**	**51,412**	**56,492**	**63,397**	**9.9**	**12.2**
Dept. of Defense	9,013	13,981	20,623	22,993	25,373	29,792	32,936	36,244	42,663	10.0	17.7
National Aeronautics and Space Administration	3,064	3,234	3,078	2,662	2,822	3,327	3,420	4,185	4,498	22.4	7.5
Dept. of Commerce	215	343	336	335	358	399	399	408	328	2.3	–19.6
Dept. of Energy	2,047	4,754	4,706	4,537	4,674	4,966	4,688	4,851	4,982	3.5	2.7
Dept. of Health and Human Services	2,281	3,780	3,941	4,353	4,831	5,451	5,658	6,343	6,283	12.1	–.9
National Science Foundation	595	882	975	1,062	1,203	1,346	1,353	1,463	1,706	8.1	16.6
Dept. of Agriculture	420	688	797	848	866	943	929	979	963	5.4	–1.6
Dept. of Transportation	312	361	310	348	448	429	386	310	290	–19.7	–6.5
Dept. of the Interior	303	411	381	383	411	392	385	405	371	5.2	–8.4
Environmental Protection Agency	258	345	335	241	261	320	317	329	346	3.8	5.2
Nuclear Regulatory Commission	64	183	220	207	191	150	124	112	120	–9.7	7.1
Veterans Administration	95	133	137	161	190	227	186	210	212	12.9	1.0
Agency for International Development	27	149	200	227	237	220	251	224	215	–10.8	–4.0
Dept. of Education	116	139	128	112	116	125	121	138	128	14.0	–7.2
Other agencies	229	447	263	245	244	274	257	293	293	14.0	-

- Represents or rounds to zero.

Source: U.S. National Science Foundation, *Federal Funds for Research and Development*, annual.

NO. 976. COMPANIES PERFORMING RESEARCH AND DEVELOPMENT (R&D)—SELECTED DATA, BY INDUSTRY GROUP: 1975 TO 1986

SIC[1] code	INDUSTRY GROUP	R&D FUNDS (mil. dol.)				R&D FUNDS AS PERCENT OF NET SALES				COMPANY R&D FUNDS, AS A PERCENT OF NET SALES			
		1975	1980	1985	1986	1975	1980	1985	1986	1975	1980	1985	1986
	Total[2]	**24,187**	**44,505**	**78,268**	**80,629**	**3.1**	**3.0**	**4.4**	**4.7**	**2.0**	**2.1**	**2.9**	**3.2**
372, 376	Aircraft and missiles	5,713	9,198	17,918	16,240	12.7	13.7	16.9	15.7	2.8	3.8	3.9	4.0
36	Electrical equipment	5,105	9,175	17,055	18,030	6.5	6.6	8.6	9.1	3.6	3.9	5.0	5.3
35	Machinery	3,196	5,901	10,853	10,696	4.8	5.0	6.9	7.4	4.0	4.5	6.0	6.4
28	Chemicals and allied products	2,727	4,636	8,690	9,021	3.7	3.6	4.9	5.1	3.1	3.3	4.7	4.9
371	Motor vehicles	2,340	4,955	(D)	(D)	3.5	4.9	(D)	(D)	3.0	4.2	3.3	3.6
38	Professional and scientific instruments	1,173	3,029	5,303	5,421	5.9	7.5	10.3	10.5	5.1	6.1	8.8	8.8
29	Petroleum refining	693	1,552	(D)	(D)	.7	.6	(D)	(D)	(D)	.5	.8	1.0

D Withheld to avoid disclosure. [1] Standard Industrial Classification. [2] Includes industries not available.

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

NO. 977. FEDERAL OBLIGATIONS FOR RESEARCH, BY FIELD OF SCIENCE: 1975 TO 1988

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. See headnote, table 974. N.e.c.=Not elsewhere classified]

FIELD	1975	1980	1981	1982	1983	1984	1985	1986, est.	1987, est.	1988, est.
Research, total	**6,730**	**11,597**	**12,213**	**13,022**	**14,254**	**14,979**	**16,133**	**16,502**	**17,812**	**18,005**
Basic	2,588	4,674	5,041	5,482	6,260	7,067	7,819	8,153	8,821	9,134
Applied	4,141	6,923	7,172	7,541	7,993	7,911	8,315	8,349	8,991	8,871
Life sciences	2,455	4,192	4,436	4,745	5,178	5,636	6,362	6,464	7,078	7,092
Biological (excluding environmental)	(NA)	1,831	1,997	2,079	2,306	2,563	2,886	2,993	3,310	3,347
Environmental biology	(NA)	230	220	184	194	250	260	264	280	290
Agricultural	(NA)	447	495	549	565	512	609	604	600	581
Medical	951	1,537	1,610	1,773	1,927	2,113	2,368	2,360	2,613	2,592
Life sciences, n.e.c.[1]	52	148	114	161	186	198	239	243	275	282
Psychology	139	139	209	218	241	267	327	334	365	374
Biological aspects	37	60	58	60	63	81	91	90	112	108
Social aspects	57	95	93	98	105	108	143	144	140	156
Psychological sciences, n.e.c.[1]	45	44	58	61	73	78	93	100	113	111
Physical sciences	1,097	2,001	2,221	2,500	2,891	2,969	3,046	3,069	3,270	3,344
Astronomy	168	286	281	276	357	382	415	468	546	530
Chemistry	286	455	487	481	520	606	650	662	696	692
Physics	595	1,183	1,346	1,611	1,855	1,836	1,816	1,806	1,887	1,986
Physical sciences, n.e.c.[1]	48	78	107	133	159	144	165	133	142	136
Environmental sciences	727	1,261	1,121	1,148	1,251	1,276	1,404	1,482	1,553	1,626
Atmospheric	302	410	373	426	461	434	486	521	546	588
Geological	192	402	396	358	334	359	429	444	447	520
Oceanography	144	262	262	261	344	363	399	430	465	414
Environmental sciences, n.e.c.[1]	90	188	90	104	113	119	90	87	95	105
Mathematics and computer sciences	125	241	279	350	419	440	575	615	654	688
Mathematics	(NA)	91	118	128	134	151	184	185	220	222
Computer sciences	(NA)	129	122	171	215	215	280	302	281	298
Mathematics and computer sciences, n.e.c.[1]	(NA)	21	40	51	71	75	111	128	154	168
Engineering	1,718	2,830	3,071	3,387	3,517	3,624	3,618	3,739	3,979	3,976
Aeronautical	345	708	710	741	821	860	738	776	813	882
Astronautical	99	302	304	291	321	397	425	527	687	700
Chemical	84	96	148	95	145	144	254	246	249	201
Civil	126	159	159	202	188	203	217	203	193	227
Electrical	287	517	557	612	615	630	627	674	729	687
Mechanical	162	208	205	201	266	190	267	237	227	255
Metallurgy and materials	222	236	256	309	333	341	439	445	450	460
Engineering, n.e.c.[1]	393	603	734	935	826	858	651	632	630	565
Social sciences	302	524	497	386	435	436	460	416	484	473
Anthropology	14	17	15	15	13	19	18	14	15	15
Economics	126	193	207	157	166	147	160	131	138	146
Political science	12	12	11	8	11	11	15	12	11	13
Sociology	55	71	65	52	68	70	66	67	83	74
Social sciences, n.e.c.[1]	95	230	200	155	178	189	201	192	236	225
Other sciences, n.e.c.[1]	167	350	379	287	320	331	342	383	428	431

NA Not available. [1] N.e.c.=Not elsewhere classified.

Source: U.S. National Science Foundation, *Federal Funds for Research and Development*, annual.

No. 978. Federal Obligations to Universities and Colleges: 1970 to 1986

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Total and nonscience/engineering activities for 1981–1983 are estimates based on revised student aid data from the Dept. of Education. Minus sign (−) indicates decrease]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Federal obligations, total	**3,237**	**4,547**	**7,472**	**7,604**	**8,298**	**8,640**	**8,776**	**9,341**	**10,118**	**10,960**	**11,584**
Annual percent change [1]	−6.5	1.5	15.1	1.8	9.1	4.1	1.6	6.4	8.3	8.3	5.7
Academic science/engineering obligations	2,188	2,806	3,960	4,473	4,790	5,062	5,179	5,680	6,390	7,249	7,399
Percent of total	67.6	61.7	53.0	58.8	57.7	58.6	59.0	60.8	63.2	66.1	63.9
Research and development	1,447	2,246	3,386	3,874	4,160	4,410	4,554	5,024	5,634	6,369	6,538
Research and development plant	45	45	34	32	38	28	31	38	50	114	106
Other science/engineering activities	696	515	540	567	593	624	594	619	706	767	755
Nonscience/engineering activities	1,049	1,741	3,512	3,131	3,508	3,578	3,597	3,661	3,728	3,710	4,185

[1] Percent change from prior year.

Source: U.S. National Science Foundation, *Survey of Federal Support to Universities, Colleges, and Selected Nonprofit Institutions*, annual.

No. 979. Federal R&D Obligations to Selected Universities and Colleges: 1975 to 1986

[In thousands of dollars. For fiscal years ending in year shown; see text, section 9. For the top 50 institutions receiving Federal R&D funds in 1986. Awards to the administrative offices of university systems are excluded from totals for individual institutions because that allocation of funds is unknown, but those awards are included in "total all institutions"]

MAJOR INSTITUTION RANKED BY TOTAL 1986 FEDERAL R&D OBLIGATIONS	1975	1980	1985	1986
Total of all institutions [1]	2,246,088	4,159,857	6,368,606	6,538,280
50 institutions, percent of total	63.7	64.5	66.0	65.6
Johns Hopkins University [2]	41,261	240,096	429,180	445,718
Massachusetts Institute of Technology [3]	68,715	142,094	189,558	188,120
Stanford University [3]	58,665	104,610	174,961	180,186
University of Washington	60,235	100,577	146,179	146,718
University of California-San Diego	48,550	91,427	103,633	133,243
Columbia University	48,565	81,511	127,331	127,131
University of California-Los Angeles	54,203	87,284	128,211	125,483
University of Wisconsin-Madison	49,358	80,828	124,604	120,826
Cornell University [3]	39,601	75,166	119,966	112,707
Yale University	36,672	68,937	109,227	111,687
University of Michigan	38,403	71,935	108,035	111,232
Harvard University	48,836	84,554	109,414	110,356
University of California-San Francisco	33,669	62,771	98,536	104,453
University of Pennsylvania	43,538	71,084	103,119	103,487
University of Minnesota	39,695	76,066	103,272	100,888
University of California-Berkeley [3]	40,797	50,426	106,710	96,834
University of Illinois-Urbana	34,100	50,800	83,122	88,986
Pennsylvania State University [4]	20,256	48,463	76,726	87,041
University of Southern California	28,678	48,343	69,706	77,533
University of Texas-Austin	23,307	40,434	72,379	74,028
University of Colorado	22,338	44,823	71,424	73,830
Washington University	30,719	52,529	71,978	72,750
University of Chicago [3]	38,300	50,592	71,194	71,535
University of Rochester	25,408	41,324	70,379	71,521
University of North Carolina-Chapel Hill	19,187	35,795	63,105	70,526
Duke University	24,550	42,685	69,169	70,034
New York University	28,029	39,494	74,577	68,372
Carnegie-Mellon University [3]	10,014	22,081	48,872	59,854
California Institute of Technology [3]	21,002	35,552	55,083	59,707
University of Pittsburgh	18,586	33,246	58,620	59,373
Yeshiva University	24,782	40,275	56,988	58,518
Ohio State University	20,913	37,312	56,065	58,078
University of Utah	19,736	31,966	50,938	55,280
University of Maryland-College Park	13,772	26,463	51,073	53,906
University of Iowa	16,645	34,677	55,117	52,226
University of Arizona	16,138	33,887	49,740	51,123
Case Western Reserve University	18,975	31,420	47,994	49,331
University of Florida	16,257	25,467	47,716	48,911
Michigan State University	18,003	28,836	46,945	48,740
Boston University	13,325	24,943	46,152	48,518
Purdue University	21,460	36,724	51,544	46,827
Georgia Institute of Technology	9,455	27,868	51,585	46,557
University of Alabama-Birmingham	15,507	26,995	44,093	45,856
Vanderbilt University	13,770	25,978	39,909	43,990
Baylor College of Medicine	18,615	31,784	45,837	43,801
University of California-Davis	19,837	42,245	43,156	43,818
Northwestern University	18,721	31,982	48,260	43,809
Princeton University [3]	16,038	21,492	34,720	42,874
Indiana University	13,132	26,770	39,118	41,879
University of Texas—Health Science Center, Dallas	10,662	22,172	37,432	40,330

[1] Includes other institutions, not shown separately. [2] Data for Johns Hopkins University includes obligations to the applied physics laboratory, considered a federally funded research and development center (FFRDC) until fiscal year 1978. [3] Does not include R&D obligations to university administered FFRDC's. [4] Data for Pennsylvania State University includes obligations to the applied research laboratory, considered an FFRDC until fiscal year 1978.

Source: U.S. National Science Foundation, *Federal Support to Universities and Colleges and Selected Non-Profit Institutions*, annual.

No. 980. RESEARCH AND DEVELOPMENT (R&D) EXPENDITURES IN SCIENCE AND ENGINEERING AT UNIVERSITIES AND COLLEGES: 1980 TO 1986

[**In millions of dollars.** Estimates for nonrespondents account for less than 8 percent of the total]

CHARACTERISTIC	1980	1983	1984	1985	1986
Total	**6,061**	**7,798**	**8,508**	**9,524**	**10,718**
In 1982 dollars [1]	7,152	7,482	7,864	8,527	9,332
Basic research	4,027	5,265	5,638	6,387	7,244
Applied R&D	2,034	2,533	2,870	3,138	3,475
Source of funds:					
All governments	4,588	5,577	6,069	6,727	7,536
Institutions' own funds	827	1,256	1,350	1,557	1,774
Industry	237	378	461	543	667
Other	408	587	629	698	740
Fields:					
Physical sciences	677	897	992	1,134	1,261
Astronomy	59	74	80	91	96
Chemistry	244	335	368	412	460
Physics	322	414	469	550	622
Other physical sciences	52	74	74	81	83
Environmental sciences	509	619	650	705	774
Atmospheric	67	98	103	110	125
Earth sciences	188	216	226	251	262
Fields—Con.					
Environmental sciences—Con.					
Oceanography	172	224	238	260	276
Other environmental	82	81	83	85	112
Mathematical sciences	79	108	124	130	152
Computer sciences	114	175	222	279	315
Life sciences	3,218	4,233	4,617	5,155	5,746
Agricultural sciences	680	896	930	1,029	1,122
Biological sciences	1,030	1,408	1,555	1,698	1,833
Medical sciences	1,414	1,802	1,990	2,260	2,578
Other life sciences	93	128	142	170	213
Psychology	111	139	147	162	180
Social sciences	341	354	372	390	459
Economics	90	96	109	116	132
Political sciences	55	56	56	61	68
Sociology	89	78	75	79	88
Other social sciences	107	124	132	135	171
Other sciences	146	162	176	182	220
Engineering	865	1,111	1,207	1,387	1,609

[1] Based on the Gross national product implicit price deflator; see text, section 14.

Source: U.S. National Science Foundation, *Survey of Scientific and Engineering Expenditures at Universities and Colleges*, annual.

No. 981. SCIENTISTS AND ENGINEERS EMPLOYED IN RESEARCH AND DEVELOPMENT: 1970 TO 1987

[**In thousands of full-time equivalent employees.** Yearly averages for industry sector only. Excludes those employed by State and local government agencies, except as noted. DOD=Dept. of Defense. FFRDC's=federally funded R&D centers]

SECTOR	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987 [1]
Total	**543.8**	**527.4**	**651.2**	**683.3**	**702.5**	**722.5**	**745.9**	**772.7**	**791.1**	**801.4**
Industry (excl. social scientists) [2]	375.6	363.9	469.2	498.8	516.0	533.3	552.4	571.7	583.8	590.0
Universities and colleges, total [3]	79.5	82.1	95.9	98.3	99.5	100.4	103.4	108.6	113.5	119.1
Scientists and engineers	61.3	63.5	72.7	73.9	74.5	75.5	77.3	81.1	84.7	87.9
Graduate students	18.2	18.6	23.2	24.4	25.0	24.9	26.1	27.5	28.8	31.2
Federal Government (incl. DOD)	67.5	58.4	58.6	59.2	60.0	61.3	62.1	62.9	63.3	62.3
Other nonprofit institutions [2] [3]	21.2	23.0	27.5	27.0	27.0	27.5	28.0	29.5	30.5	30.0

[1] Estimated. [2] Includes professional R&D personnel employed at FFRDC's administered by industry and other nonprofit institutions. [3] Includes estimate for R&D scientists and engineers employed in State-affiliated institutions.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

No. 982. RESEARCH AND DEVELOPMENT SCIENTISTS AND ENGINEERS—AVERAGE FULL-TIME-EQUIVALENT EMPLOYMENT AND COST, BY INDUSTRY: 1970 TO 1986

[Data are estimates; on average full-time-equivalent (FTE) basis. See *Historical Statistics, Colonial Times to 1970*, series W 167, for total cost per scientist or engineer]

SIC [1] code	INDUSTRY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
(X)	**Average FTE of scientists and engineers (1,000)** [2] [3]	**375.6**	**363.9**	**393.6**	**414.2**	**437.3**	**469.2**	**498.8**	**516.0**	**533.3**	**552.4**	**570.3**	**583.7**
28	Chemicals [4]	41.4	44.8	47.4	49.2	50.7	53.1	58.2	63.8	66.6	67.1	68.5	68.1
35	Machinery	42.5	54.3	56.6	59.0	61.2	65.7	72.6	76.2	75.7	76.2	79.6	79.9
36	Electrical equipment [5]	96.2	81.5	84.3	84.7	89.8	100.7	108.4	110.1	113.2	115.7	117.4	124.5
371	Motor vehicles [6]	(NA)	25.7	30.1	33.6	36.7	36.7	32.6	29.5	28.8	28.7	31.3	42.3
372,376	Aircraft and missiles	85.2	67.2	77.0	84.3	86.2	90.6	93.2	93.3	96.0	100.2	105.5	100.3
(X)	**Cost per scientist or engineer ($1,000)** [7] [3]	**48.1**	**66.5**	**75.8**	**80.4**	**87.4**	**94.9**	**103.9**	**112.4**	**118.9**	**129.8**	**137.0**	**138.1**
28	Chemicals [4]	42.8	60.9	67.6	72.8	79.6	87.4	96.6	104.4	109.6	119.2	126.9	132.5
35	Machinery	40.7	58.9	68.6	72.6	78.9	89.9	93.9	102.9	110.9	126.4	136.5	133.9
36	Electrical equipment [5]	43.9	62.7	69.9	76.8	87.2	91.1	95.3	105.8	123.2	134.9	145.3	144.9
371	Motor vehicles [6]	(NA)	91.1	111.7	115.6	122.9	135.2	147.4	162.9	185.3	211.6	(D)	(D)
372,376	Aircraft and missiles	61.3	85.1	91.3	89.4	93.3	101.6	128.4	146.4	144.3	158.5	169.8	162.0

D Withheld to avoid disclosure. NA Not available. X Not applicable. [1] Standard Industrial Classification; see text, section 13. [2] The mean number of FTE R&D scientists and engineers employed in January of the year shown and the following January. [3] Includes industries not shown separately. [4] Includes allied products. [5] Includes communication. [6] Includes other transportation equipment. [7] Represents the arithmetic mean of the numbers of R&D scientists and engineers reported in each industry for January in two consecutive years divided into total R&D expenditures in each industry.

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

No. 983. Scientists and Engineers, by Labor Force Status, Sex, and Field: 1980 and 1986

[**In thousands, except percent.** Represents the total science and engineering population in the United States]

FIELD	1980				1986			
	Total		In labor force [1]		Total		In labor force [1]	
	Number	Percent female	Total	Employed	Number	Percent female	Total	Employed
Total, all fields	**3,083**	**11.5**	**2,917**	**2,860**	**4,972**	**15.4**	**4,699**	**4,627**
Engineers, total	1,800	3.0	1,701	1,676	2,635	4.1	2,471	2,440
Aeronautical/astronautical	76	2.1	71	70	117	3.8	111	111
Chemical	103	4.8	97	95	172	7.6	153	149
Civil	250	2.5	236	232	381	3.7	352	346
Electrical/electronics	404	2.0	386	383	621	3.4	581	575
Mechanical	349	2.0	327	323	548	2.8	499	493
Other engineers	619	4.1	584	574	796	5.1	775	766
Scientists, total	1,283	23.4	1,216	1,185	2,337	28.1	2,228	2,186
Life scientists	313	19.2	295	288	452	26.1	421	412
Computer specialists	215	28.7	210	208	576	29.7	567	563
Physical scientists	235	10.3	220	215	313	13.9	293	288
Social scientists	229	29.5	214	204	459	31.7	438	428
Economists	84	15.9	78	75	177	19.2	169	164
Other social scientists	145	37.3	136	129	282	39.5	270	264
Psychologists	137	39.4	132	128	274	45.5	260	254
Environmental scientists	84	14.2	79	78	123	12.3	116	111
Mathematical scientists	70	29.6	66	64	140	26.9	133	131

[1] Includes scientists and engineers who are employed and those unemployed but actively seeking employment.

Source: National Science Foundation, *U.S. Scientists and Engineers: 1986*, and unpublished data.

No. 984. Characteristics of Employed Scientists and Engineers: 1986

[**Percent distribution, except as indicated.** Represents total science and engineering employment in the United States]

CHARACTERISTIC	Total	Engineers	Life scientists	Computer specialists	Physical scientists	SOCIAL SCIENTISTS			Psychologists	Environmental scientists	Mathematical scientists
						Total	Economists	Other social scientists			
Total (1,000)	**4,627**	**2,440**	**412**	**563**	**288**	**428**	**164**	**264**	**254**	**111**	**131**
Male	84.9	95.9	75.0	71.1	86.4	68.7	80.5	61.4	54.6	88.4	74.1
Female	15.1	4.1	25.0	28.9	13.6	31.3	19.5	38.6	45.4	11.6	25.9
Highest degree:											
Doctorate	13.3	4.3	29.5	3.4	39.6	23.0	21.8	23.7	38.5	18.4	30.7
Master's	23.6	23.0	21.4	25.2	20.3	22.1	21.7	22.3	26.6	31.1	33.7
Bachelor's	55.1	59.9	44.6	69.9	38.0	51.7	53.0	50.9	32.4	48.2	34.1
Other	8.0	12.8	4.5	1.5	2.1	3.2	3.5	3.0	2.6	2.2	1.6
Type of employer:											
Industry	67.8	79.5	37.2	78.2	56.8	50.4	62.5	42.9	40.2	58.5	41.8
Educational institutions	13.6	4.1	35.9	6.7	24.7	26.4	20.5	30.1	31.3	16.4	44.8
Nonprofit organizations	3.6	1.5	7.0	2.5	3.3	6.4	2.2	8.9	17.9	1.2	2.1
Federal Government	7.7	7.6	10.3	6.8	10.3	5.1	7.8	3.4	2.7	15.8	8.5
Military	.6	.8	.4	.5	.3	.3	.1	.4	.3	1.3	.4
State, local, and other government	5.0	4.9	7.7	3.7	2.9	9.9	5.3	12.7	5.8	5.3	1.7
Other	1.6	1.7	1.5	1.6	1.7	1.5	1.6	1.5	1.8	1.5	.8

Source: U.S. National Science Foundation, *U.S. Scientists and Engineers: 1986*.

No. 985. Professional Scientific, Engineering, and Technical Personnel in the Federal Government, by Occupational Group: 1970 to 1986

[**In thousands, except percent.** As of **October.** Excludes health professional personnel]

OCCUPATIONAL GROUP	1970	1975	1980	1983 [1] [2]	1985 [2] [3]	1986 [2] [3]	PERCENT FEMALE					
							1970	1975	1980	1983 [1] [2]	1985 [2] [3]	1986 [2] [3]
Total	**180.3**	**188.9**	**206.9**	**218.9**	**238.0**	**239.2**	**6.7**	**6.5**	**9.5**	**11.8**	**13.8**	**14.6**
Scientific personnel	77.2	77.3	88.0	89.5	91.4	89.5	8.0	8.8	12.7	14.1	15.6	16.3
Physical sciences	29.8	27.1	27.6	27.1	27.6	27.3	6.4	6.6	9.5	10.9	12.5	13.1
Mathematics [4]	8.6	10.0	11.1	10.7	11.0	10.6	17.4	15.9	19.8	20.9	22.8	23.3
Life sciences	26.9	26.4	30.5	33.5	33.5	32.5	4.1	5.1	8.7	11.3	12.1	13.0
Social sciences [5]	6.6	8.0	10.5	9.3	10.1	10.1	16.2	17.6	23.3	22.8	25.1	25.7
Economics	4.3	5.0	5.9	5.3	5.9	5.8	11.1	12.9	17.4	18.4	20.6	21.1
Other	2.3	3.0	4.6	4.0	4.2	4.3	25.1	23.7	30.8	28.7	31.5	31.9
Geography [6]	3.3	2.9	4.9	5.5	5.7	5.6	8.5	7.9	14.8	16.6	17.0	16.9
Psychology	2.2	2.9	3.3	3.3	3.4	3.4	13.7	14.6	16.8	18.8	21.4	22.4
Engineering personnel	83.0	86.6	89.6	94.3	105.1	106.2	.5	.7	1.9	3.6	5.3	5.8
Computer specialists	20.1	25.0	29.3	35.2	41.5	43.5	21.1	19.1	23.3	27.9	31.4	32.9

[1] Excludes Tennessee Valley Authority (TVA). [2] Excludes Post Office. [3] Data for 1985 and 1986 include personnel at TVA.
[4] Includes statistics. [5] Includes community planning. [6] Includes cartography.

Source: U.S. National Science Foundation. Compiled from data supplied by the U.S. Office of Personnel Management.

No. 986. CIVILIAN EMPLOYMENT OF SCIENTISTS, ENGINEERS, AND TECHNICIANS, BY OCCUPATION AND MAJOR INDUSTRIAL SECTOR: 1986

[**In thousands.** Based on sample and subject to sampling error. For details, see source]

OCCUPATION	WAGE AND SALARY WORKERS: Total [1]	Mining [2]	Construction	Manufacturing	Transportation [3]	Trade	FIRE [4]	Services	Government	Self-employed
Scientists and engineers	**2,138.1**	**53.5**	**41.1**	**829.2**	**103.1**	**57.0**	**77.0**	**566.9**	**380.9**	**131.0**
Scientists	806.4	25.5	1.4	141.2	24.1	31.2	66.3	301.3	207.0	92.0
Physical scientists	169.4	20.3	.1	56.9	2.2	2.1	.6	48.7	38.3	11.0
Life scientists	133.2	.3	(Z)	16.7	.8	1.8	.2	53.0	52.8	7.0
Mathematical scientists	47.6	.1	(Z)	6.6	1.7	(Z)	14.5	14.6	9.9	(Z)
Social scientists	144.7	.3	.1	(Z)	1.5	(Z)	9.6	82.8	50.3	54.0
Systems analysts, EDP	311.4	4.5	1.2	61.0	17.9	27.3	41.4	102.2	55.7	20.0
Engineers [5]	1 331.7	28.0	39.7	688.0	79.0	25.8	10.7	285.6	173.9	39.0
Civil engineers	193.2	1.7	19.4	10.4	8.0	.4	.5	77.8	74.8	6.0
Electrical/electronics engineers	391.5	1.0	6.3	221.0	38.9	13.4	.9	77.4	32.7	9.0
Mechanical engineers	228.7	2.2	8.6	140.5	6.4	6.2	.6	51.0	13.1	4.0
Engineering and science technicians	**1,241.1**	**19.0**	**31.4**	**484.6**	**77.1**	**79.9**	**6.9**	**372.4**	**162.4**	**23.0**
Electrical/electronics technicians	309.4	1.0	4.7	135.2	29.4	60.3	1.2	51.3	26.2	4.0
Engineering technicians	373.5	4.8	5.0	134.8	26.4	9.4	.8	96.7	94.9	2.0
Drafters	333.2	4.6	21.5	125.6	19.0	7.2	2.6	137.4	13.2	15.0
Science technicians	225.0	8.5	.2	89.0	2.4	3.0	2.4	87.0	28.0	2.0
Surveyors	**86.5**	**3.7**	**3.8**	**.1**	**3.4**	**(Z)**	**.4**	**52.0**	**22.5**	**8.0**
Computer programmers	**463.6**	**3.3**	**2.2**	**92.0**	**24.2**	**44.2**	**68.3**	**192.9**	**36.1**	**15.0**

Z Fewer than 50. [1] Includes agriculture, forestry, and fishing not shown separately. [2] Includes oil and gas extraction. [3] Includes communications and public utilities. [4] Finance, insurance, and real estate. [5] Includes kinds of engineers and technicians not shown separately.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review, September 1987* and unpublished data.

No. 987. SCIENTISTS AND ENGINEERS—EMPLOYMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY FIELD: 1980 TO 1985

[**In thousands.** As of **January.** Includes full-time and part-time personnel. Excludes graduate students who receive stipends for part-time services as scientists or engineers. R&D = research and development]

FIELD	1980	1983	1984	1985
Total	**339.3**	**373.9**	**385.6**	**396.0**
Universities, colleges	324.2	358.9	370.4	380.4
Engineers [1]	33.7	37.7	38.7	39.9
Aeronautical [2]	1.4	1.3	1.4	1.5
Chemical	2.4	2.4	2.5	2.6
Civil	5.5	6.4	6.4	6.7
Electrical	8.2	9.6	10.2	10.8
Mechanical	6.1	6.7	7.1	7.2
Physical and environmental science [1]	43.5	44.9	46.4	47.2
Chemists	17.6	18.3	18.8	19.1
Earth scientists	6.6	6.5	6.7	6.7
Physicists	13.0	13.6	13.9	14.1
Mathematical scientists	27.1	31.3	32.6	33.1
Computer scientists	8.9	14.3	16.3	18.0
Life scientists [1]	133.7	151.4	156.4	161.7
Agricultural	15.9	16.7	17.1	17.5
Biological	44.8	48.1	49.3	50.5
Medical	67.1	74.4	76.1	78.7
Psychologists	23.3	23.8	23.8	23.8
Social scientists	54.1	55.4	56.2	56.7
Economists	14.7	15.6	15.7	15.8
Federally funded R&D centers	15.1	15.1	15.2	15.6
Engineers	6.5	6.5	6.0	6.2
Scientists	8.6	8.6	9.2	9.4

[1] Includes other fields not shown separately. [2] Includes astronautical.

Source: U.S. National Science Foundation, *Survey of Scientific and Engineering Personnel Employed in Universities and Colleges,* periodic.

No. 988. GRADUATE SCIENCE AND ENGINEERING STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS, BY FIELD, ENROLLMENT STATUS, AND LEVEL OF STUDY: 1975 TO 1987

[**In thousands.** As of **fall.** Includes outlying areas]

FIELD OF SCIENCE	STUDENTS ENROLLED FULL-TIME									STUDENTS ENROLLED PART-TIME		
	Total			First year			Beyond first year					
	1975	1980	1987	1975	1980	1987	1975	1980	1987	1975	1980	1987
Total	**210.3**	**230.5**	**264.9**	**79.2**	**77.3**	**78.3**	**131.2**	**153.2**	**186.6**	**83.4**	**103.1**	**123.8**
Engineering	37.1	41.9	61.2	16.4	15.7	19.3	20.6	26.2	41.9	27.5	28.2	36.8
Physical sciences	21.3	22.2	27.6	6.0	5.7	6.5	15.3	16.5	21.1	3.3	3.1	3.3
Environmental sciences	9.0	10.3	10.2	3.3	3.4	2.5	5.7	6.9	7.7	2.0	2.5	3.3
Mathematics	10.0	9.4	12.4	3.6	3.2	3.6	6.4	6.1	8.8	4.4	4.3	3.9
Computer sciences	4.1	5.9	13.6	1.8	2.3	4.5	2.3	3.6	9.1	2.9	5.5	11.8
Life sciences	59.6	67.7	68.6	23.3	23.0	20.2	36.3	44.7	48.4	14.0	22.9	28.0
Psychology	19.7	21.6	22.7	5.7	5.7	5.7	14.0	15.9	17.0	7.2	7.8	8.8
Social sciences	49.5	51.5	48.7	19.0	18.3	16.0	30.5	33.2	32.7	22.3	28.8	27.9
Economics	8.0	8.9	8.6	3.1	2.9	2.6	4.9	6.1	6.0	3.0	3.3	2.8

Source: U.S. National Science Foundation, *Survey of Graduate Science and Engineering Students and Postdoctorales,* annual.

No. 989. Doctorates Conferred, by Recipients' Characteristics, 1975 to 1987, and by Selected Science and Engineering Fields, 1987

CHARACTERISTIC	ALL FIELDS 1975	ALL FIELDS 1980	ALL FIELDS 1985	ALL FIELDS 1986	1987 All fields [1]	1987 Engineering	1987 Physical sciences [2]	1987 Mathematics	1987 Computer sciences	1987 Psychology	1987 Biological sciences [3]	1987 Social sciences: Economics	1987 Social sciences: Other social sciences
Doctorates conferred	32,951	31,020	31,243	31,843	32,278	3,716	3,837	740	450	3,098	3,824	823	1,75
Percent distribution	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.**
Male	78.1	69.7	65.7	64.6	64.8	93.5	83.3	83.4	85.6	46.7	64.7	83.0	62.
Female	21.9	30.3	34.3	35.4	35.2	6.5	16.7	16.6	14.4	53.3	35.3	17.0	37.
White [5]	86.7	84.6	86.2	86.6	86.2	76.2	87.8	80.6	83.3	89.5	87.9	83.4	84.
Asian [5]	3.6	4.2	4.3	4.3	4.8	17.1	6.0	10.4	9.5	1.7	5.3	8.7	4.
Black and other [5]	4.9	6.3	7.2	7.0	6.8	3.4	3.4	5.5	3.2	7.4	4.3	5.6	7.
Not reported [5]	4.8	4.9	2.3	2.1	2.2	3.3	2.8	3.5	4.0	1.4	2.5	2.3	2.
U.S. citizens	82.1	81.0	74.5	72.1	70.8	41.8	65.1	46.6	54.0	87.0	77.7	50.8	68.1
Foreign citizens	15.9	15.9	20.9	21.0	22.2	50.7	28.5	47.6	38.7	4.6	16.9	41.1	24.
Citizenship unknown	2.0	3.1	4.6	6.9	7.0	7.4	6.4	5.8	7.3	8.5	5.4	8.1	7.
Median age at award [6] (yr.)	31.5	32.2	33.3	33.5	33.6	31.0	29.8	30.8	31.7	31.1	30.8	31.8	35.
Median total time, [6] baccalaureate to doctorate (yr.)	8.6	9.3	10.2	10.4	10.4	8.1	7.1	7.9	9.1	9.9	8.1	9.0	11.
Registered time (yr.)	5.9	6.3	6.8	6.8	6.9	5.8	5.9	6.3	6.6	7.1	6.5	6.5	7.

NA Not available. [1] Includes other fields, not shown separately. [2] Astronomy, physics, chemistry, and earth sciences. [3] Biochemistry, botany, microbiology, physiology, zoology, and related fields. [4] Anthropology, sociology, political science, and international relations. [5] Data on race limited to U.S. citizens and non-U.S. citizens with permanent government visas. [6] For definition of median, see Guide to Tabular Presentation.

Source: U.S. National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates.*

No. 990. Nobel Prize Laureates in Chemistry, Physics, and Physiology/Medicine—Selected Countries: 1901 to 1987

[Presented by location of award-winning research and by date of award]

COUNTRY	1901–1987 Total	1901–1987 Physics	1901–1987 Chemistry	1901–1987 Physiology/Medicine	1901–1915	1916–1930	1931–1945	1946–1960	1961–1975	1976–1987
Total	**384**	**131**	**109**	**144**	**52**	**41**	**49**	**74**	**92**	**7**
United States	145	49	33	63	3	3	14	38	41	4
United Kingdom	68	21	24	23	7	8	11	14	20	
West Germany [1]	53	16	25	12	15	12	11	4	8	1
France	22	8	7	7	10	3	2	-	5	
Soviet Union	10	7	1	2	2	-	-	4	3	1
Japan	4	3	1	-	-	-	-	1	2	1
Other countries	82	27	18	37	15	15	11	13	13	15

- Represents zero. [1] Includes East Germany before 1946.

Source: U.S. National Science Foundation, unpublished data.

No. 991. Federal Space Program—Budget Authority, by Agency: 1960 to 1988

[**In millions of dollars, except percent. For fiscal years ending in year shown;** see text, section 9. NASA = National Aeronautics and Space Administration]

YEAR	Total	NASA [1] Total	NASA [1] Percent of total	DEFENSE Total	DEFENSE Percent of total	Other	YEAR	Total	NASA [1] Total	NASA [1] Percent of total	DEFENSE Total	DEFENSE Percent of total	Other
1960	1,066	462	43.3	561	52.6	43	1977	5,983	3,440	57.5	2,412	40.3	13
1965	6,956	5,138	73.9	1,574	22.6	244	1978	6,518	3,623	55.6	2,738	42.0	15
1966	6,970	5,065	72.7	1,689	24.2	217	1979	7,244	4,030	55.6	3,036	41.9	17
1967	6,710	4,830	72.0	1,664	24.8	216	1980	8,689	4,680	53.9	3,848	44.3	16
1968	6,529	4,430	67.9	1,922	29.4	177	1981	9,978	4,992	50.0	4,828	48.4	15
1969	5,976	3,822	64.0	2,013	33.7	141	1982	12,441	5,528	44.4	6,679	53.7	23
1970	5,341	3,547	66.4	1,678	31.4	115	1983	15,589	6,328	40.6	9,019	57.9	24
1971	4,741	3,101	65.4	1,512	31.9	127	1984	17,136	6,648	38.8	10,195	59.5	29
1972	4,575	3,071	67.1	1,407	30.8	97	1985	20,167	6,925	34.3	12,768	63.3	47
1973	4,825	3,093	64.1	1,623	33.6	109	1986	21,659	7,165	33.1	14,126	65.2	36
1974	4,640	2,759	59.4	1,766	38.1	116	1987 [3]	25,876	9,809	37.9	15,717	60.7	35
1975	4,914	2,915	59.3	1,892	38.5	107	1988 [3]	26,409	8,756	33.2	17,196	65.1	45
1976 [2]	6,660	4,075	61.2	2,444	36.7	142							

[1] Includes budget authority for the space transportation system of $3.1 billion in 1982; $4.1 billion in 1983; and $4.0 billion in 1984
[2] Includes transition quarter, July 1 to Sept. 30, 1976. [3] Estimated.

Source: U.S. National Aeronautics and Space Administration, *Aeronautics and Space Report of the President,* annual. Data from U.S. Office of Management and Budget.

No. 992. SPACE VEHICLE SYSTEMS—NET SALES AND BACKLOG ORDERS: 1965 TO 1986

[In millions of dollars. Backlog orders as of Dec. 31. Based on data from major companies engaged in manufacture of aerospace products. Includes parts but excludes engines and propulsion units]

YEAR	NET SALES			BACKLOG ORDERS		
	Total	Military	Non-military	Total	Military	Non-military
1965	2,449	602	1,847	2,203	503	1,700
1970	1,956	1,025	931	1,184	786	398
1975	2,119	1,096	1,023	1,304	1,019	285
1980	3,483	1,461	2,022	1,814	951	863
1981	3,856	1,736	2,120	3,174	2,164	1,010
1982	4,749	2,606	2,143	4,337	2,403	1,934
1983	4,940	2,420	2,520	4,865	2,733	2,132
1984	5,225	3,019	2,206	4,624	3,099	1,525
1985	6,300	4,241	2,059	6,707	4,941	1,766
1986	6,304	4,579	[1] 1,725	8,063	6,028	[1] 2,035

[1] Includes data for non-military missile systems and parts.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA-37D, *Aerospace Industry (Orders, Sales, and Backlog)*.

No. 993. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION—BUDGET SUMMARY: 1986 TO 1988

[In millions of dollars]

ITEM	1986	1987	1988
Appropriations, total	**7,764**	**10,576**	**9,027**
Research and development	**2,619**	**3,128**	**3,295**
Space Science and applications	1,476	1,553	1,576
Physics and astronomy	569	553	611
Life sciences	66	72	70
Planetary exploration	354	358	329
Space applications	487	569	566
Environmental observations	272	321	314
Safety, reliability, and quality assurance	-	9	14
Commercial programs	27	41	74
Space transportation capability development [1]	404	496	610
Upper stages	122	161	155
Engineering and technical base	110	133	134
Space lab	78	74	67
Aeronautics and space technology	496	592	612
Aeronautical research and technology	337	421	388
Space research and technology	159	171	224
Space station	200	420	392
Tracking and data advanced systems	16	17	18
Space flight, control and data communication programs	**3,670**	**5,815**	**3,811**
Space Shuttle production and operational capability	1,370	3,105	1,088
Orbiter	397	373	329
Propulsion systems	793	464	595
Launch and mission support	180	148	165
Orbiter replacement	-	2,100	-
Changes and systems upgrade	-	20	-
Space transportation operations	1,640	1,847	1,810
Flight hardware	891	936	777
Flight operations	434	558	584
Launch and landing operations	315	353	450
Expendable launch vehicles	-	-	28
Space and ground network, communications and data systems	660	863	884
Space network	274	407	436
Ground network	210	250	232
Communications and data systems	176	206	217
Research and program management	**1,342**	**1,467**	**1,743**
Construction of facilities	**133**	**166**	**178**

- Represents or rounds to zero. [1] Includes other items not shown separately.

Source: U.S. National Aeronautics and Space Administration, *NASA News*.

No. 994. NASA—OUTLAYS FOR OPERATIONAL ACTIVITIES AND FOR RESEARCH AND DEVELOPMENT: 1965 TO 1987

[In millions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Minus sign (–) indicates decrease]

YEAR	AGENCY TOTAL		PERFORMANCE (OPERATIONS)			PERFORMANCE (R&D)				FACILITIES (R&D)			
	Total outlays	Percent change [1]	Total operations	Space flight	Other	Total	Space flight	Space science, applications [2]	Air transport and other	Total R&D	Space flight	Space science, applications [2]	Air transport and other
1965	5,093	22.1	(3)	(3)	(3)	[3] 4,562	[3] 3,138	[3] 1,126	[3] 298	531	401	78	52
1970	3,753	–11.7	(3)	(3)	(3)	[3] 3,699	[3] 2,195	[3] 963	[3] 541	54	14	21	19
1975	3,266	.3	(3)	(3)	(3)	[3] 3,181	[3] 1,500	[3] 1,076	[3] 606	85	35	9	42
1980	4,850	15.8	1,245	914	331	3,465	1,642	1,341	482	140	38	5	97
1983	6,664	10.4	4,018	3,431	587	2,538	596	1,486	456	108	26	-	82
1984	7,048	5.8	3,317	2,854	463	3,539	1,183	1,667	689	192	44	20	128
1985	7,251	2.9	4,034	[4] 3,310	724	2,970	542	1,834	594	247	70	23	154
1986	7,404	2.1	3,673	2,947	726	3,432	740	2,101	591	299	107	26	166
1987	7,591	2.5	4,027	3,250	777	3,250	768	1,583	899	314	119	25	170

- Represents zero. [1] Change from immediate prior year. [2] Includes technology. [3] Performance (operations) included in performance (R&D). [4] Excludes intragovernmental funds, Federal Financing Bank, direct loan principle repayments—$67 million in 1985.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

No. 995. NASA—Permanent Personnel Distribution Summary: 1975 to 1987

CODE AND INSTALLATION	1975	1980	1983	1984	1985	1986	1987 Total	1987 Percent male	1987 Percent Black [1]
Total	**24,333**	**22,613**	**21,924**	**21,415**	**21,423**	**21,228**	**21,831**	**73.2**	**8.2**
Professional	15,169	14,749	14,664	14,410	14,819	14,803	15,482	81.3	5.5
Scientists and engineers, aerospace technicians	11,438	10,779	10,779	10,605	10,884	10,925	11,450	89.2	3.8
Administrators	3,504	3,539	3,569	3,526	3,675	3,656	3,803	57.1	10.6
Scientists and engineers, non aerospace technicians	180	377	264	226	209	171	178	88.8	6.7
Life sciences	47	54	52	53	51	51	51	76.5	7.8
Non-professional	9,164	7,864	7,260	7,005	6,604	6,425	6,349	53.5	14.6
INSTALLATION									
Headquarters	1,562	1,516	1,505	1,408	1,383	1,362	1,532	56.0	20.5
Ames Research Center, CA [2]	2,161	2,116	2,083	2,093	2,052	2,072	2,079	76.6	4.7
Lewis Research Center, Cleveland, OH	3,042	2,822	2,676	2,650	2,715	2,598	2,663	81.8	6.1
Langley Research Center, Hampton, VA	3,315	2,966	2,968	2,873	2,827	2,814	2,851	77.8	9.2
Goddard Space Flight Center, MD [3]	4,165	3,818	3,718	3,581	3,629	3,679	3,648	73.3	8.2
Marshall Space Flight Center, AL	4,100	3,563	3,412	3,264	3,284	3,260	3,384	71.8	6.8
National Space Technology Labs, MS	69	103	111	112	122	123	137	68.6	8.8
Johnson, Houston, TX	3,660	3,508	3,305	3,316	3,330	3,269	3,349	70.3	7.3
Kennedy, FL	2,259	2,201	2,146	2,118	2,081	2,051	2,188	72.4	5.4

[1] Excludes Hispanic Blacks. [2] Includes Flight Research Center, California. [3] Includes Wallops Flight Research Center, Virginia.

Source: U.S. National Aeronautics and Space Administration, 1975–1985, *Personnel Management Information System* (PMIS), annual; beginning 1986, *The Civil Service Work Force*, annual.

No. 996. Space Shuttle System Expenditures by NASA in Constant (1982) Dollars: 1972 to 1987

[**In millions of dollars.** For year ending **Sept. 30.** These data cannot be used alone to estimate the total shuttle cost. Only operating expenditures correspond to an annual cost in the economic sense, and even those estimates require adjustment for the three-year period over which the cost of a shuttle flight is incurred and reimbursements are received. For details, see source]

YEAR	Total	D.D.T. and E.[1]	Construction	Production	Operations	YEAR	Total	D.D.T. and E.[1]	Construction	Production	Operations
1972	40	-	40	-	-	1980	2,751	1,339	42	907	463
1973	58	-	58	-	-	1981	2,724	1,041	13	1,093	578
1974	325	216	109	-	-	1982	2,932	894	20	1,283	735
1975	1,543	1,407	136	-	-	1983	3,014	-	26	1,635	1,354
1976	2,619	2,541	79	-	-	1984	3,127	-	73	690	2,364
1977	2,258	2,089	60	109	-	1985	2,636	-	42	1,376	1,218
1978	2,062	1,898	103	61	-	1986	3,311	-	-	1,504	1,807
1979	2,251	1,713	42	496	-	1987	5,806	-	-	3,841	1,965

- Represents zero. [1] Design, development, testing, and evaluation.

Source: U.S. Congress, Congressional Budget Office, estimate March 1985 and U.S. National Aeronautics and Space Administration, *NASA Budget Estimates for Fiscal Year 1989*.

No. 997. World-Wide Successful Space Launches: 1957 to 1987

[Criterion of success is attainment of Earth orbit or Earth escape. E.S.A. = European Space Agency]

YEAR	Total [1]	Soviet Union	United States	Japan	E.S.A.	India	China: Mainland	YEAR	Total [1]	Soviet Union	United States	Japan	E.S.A.	India	China: Mainland
Total	**2,976**	**2,016**	**875**	**34**	**16**	**3**	**19**	1975–1979	607	461	126	10	1	-	6
1957–1959	21	6	15	-	-	-	-	1980–1984	605	483	93	12	8	3	6
1960–1964	268	76	192	-	-	-	-	1985	121	97	17	2	3	-	1
1965–1969	586	302	279	-	-	-	-	1986	103	91	6	2	2	-	2
1970–1974	555	405	139	5	-	-	2	1987	110	95	8	3	2	-	2

- Represents zero. [1] Includes launches in other countries not shown separately.

Source: Library of Congress, Congressional Research Service, Science Policy Research Division, *Space Activities of the United States, Soviet Union and Other Launching Countries/Organization: 1957–1987*, February 1988.

Section 21

Transportation—Land

This section presents statistics on revenues, passenger and freight traffic volume, and employment in various revenue-producing modes of the transportation industry, including motor vehicles, trains, and pipelines. Data are also presented on commuting travel; highway mileage and finances; motor vehicle travel, accidents, sales, and registrations; automobile operating costs; and characteristics of public transit, railroads, and pipelines.

The principal compiler of data on public roads and on operation of motor vehicles is the U.S. Department of Transportation's (DOT) Federal Highway Administration (FHWA). These data appear in FHWA's annual *Highway Statistics* and other publications. The U.S. Interstate Commerce Commission (ICC) presents data on interstate land transport in its publications, the *Annual Report to Congress* and the *Transport Statistics in the United States*, which contain data on railroads and motor carriers subject to ICC regulations.

The U.S. National Highway Traffic Safety Administration issues data on traffic accident deaths and death rates in two annual reports: the *Fact Book* and the *Fatal Accident Reporting System Annual Report*. DOT's Federal Railroad Administration presents data on accidents involving railroads in its annual *Accident/Incident Bulletin*, and the *Rail-Highway Crossing Accident/Incident and Inventory Bulletin*.

Various censuses and surveys conducted by the U.S. Bureau of the Census also provide data. Results of the censuses of transportation are presented in the *Truck Inventory and Use Survey*. The *Annual Survey of Manufactures* and reports of the censuses of manufactures, wholesale and retail trade, and service industries contain statistics on the motor vehicle and equipment industry and on retail, wholesale, and services aspects of this industry. Data on persons commuting to work were collected as part of the 1980 census and are in various census reports.

Data are also presented in many nongovernment publications. Among them are: The weekly and annual *Cars of Revenue Freight Loaded* and the annual *Yearbook of Railroad Facts*, both published by the Association of American Railroads, Washington, DC; *Bus Facts*, issued annually by the American Bus Association, Washington, DC; and the *Transit Fact Book*, containing electric railway and motorbus statistics, published annually by the American Public Transit Association, Washington, DC. Useful annual handbooks in the field of transportation are *Motor Vehicle Facts and Figures* and *World Motor Vehicle Data*, issued by the Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI; *Accident Facts*, issued by the National Safety Council, Chicago, IL; and *Transportation in America*, issued by the Transportation Policy Associates, Washington, DC.

Urban and rural highway mileage.—Beginning 1980, mileage is classified in urban and rural categories, rather than municipal and rural. Urban denotes the Federal-aid legislation definition of an area. Such areas include, as a minimum, a census place with a population of 5,000 to 49,999 or a designated urbanized area with a population of 50,000 or more. These Federal-aid urban areas may extend beyond corporate and census boundaries, and thus are not necessarily coextensive with municipal boundaries. Rural in 1980 refers to non-Federal-aid urban area mileage. Prior to 1980, municipal referred to roads within incorporated places, densely populated New England towns, and certain of the more populous unincorporated areas and rural to non-municipal roads.

Federal-aid highway systems.—Federal law provides that Federal funds be matched in varying proportions with State funds for the costs of planning, engineering, right-of-way acquisition, and construction of highways. Other costs, such as maintenance and policing, are borne entirely by the States and local agencies.

Effective July 1, 1976, a uniform road classification system was implemented which shortened the mileage of the highway system and redefined the three main systems of Federal-aid routes. The Federal-aid primary system is comprised of a network of main roads important to interstate, statewide, and regional travel. The system consists of main rural roads and their extensions into or through urban areas. The Federal-aid secondary system consists of rural roads of a more local nature, such as those which connect county seats and the larger population centers not served by the primary system. The Federal-aid urban system is located in urban places of 5,000 or more persons and consists of major urban roads and streets, except those on the primary system.

Regulatory bodies.—The ICC, created by the U.S. Congress to regulate transportation in interstate commerce, has jurisdiction over railroads, trucking companies, bus lines, freight forwarders, water carriers, coal slurry pipelines, and transportation brokers. The Federal Energy Regulatory

Commission is responsible for setting rates and charges for transportation and sale of natural gas and for establishing rates or charges for transportation.

Motor carriers.—For 1960-1973, class I for-hire motor carriers of freight were classified by the ICC as those with $1 million or more of gross annual operating revenue; 1974-1979, the class I minimum was $3 million. Effective January 1, 1980 class I carriers are those with $5 million or more in revenue. For 1960-1968, class I motor carriers of passengers were classified by the ICC as those with $200,000 or more of gross annual operating revenue; for 1969-1976, as those with revenues of $1 million or more; and since 1977, as those with $3 million or more. Effective January 1, 1980 class I motor carriers of passengers are those with $5 million or more in operating revenues; class II less than $5 million in operating revenues.

Railroads.—Railroad companies reporting to the ICC are divided into specific groups as follows: (1) Regular line-haul (interstate) railroads (and their non-operating subsidiaries); (2) switching and terminal railroads; (3) private railroads prior to 1964 (identified by ICC as "circular" because they reported on brief circulars); and (4) unofficial railroads, so designated when their reports are received too late for tabulation. For the most part, the last 3 groups are not included in the statistics shown here.

For years prior to 1978, class I railroads were those with annual revenues of $1 million or more for 1950-1955; $3 million or more for 1956-1964; $5 million or more for 1965-1975; and $10 million or more for 1976-1977. In 1978, the classification became class I, those having more than $50 million gross annual operating revenue; class II, from $10 million to $50 million; and class III, less than $10 million. Effective January 1, 1982, the ICC adopted a procedure to adjust the threshold for inflation by restating current revenues in constant 1978 dollars. In 1987, the criteria for class I and class II railroads were $87.9 million and $17.6 million, respectively. Also effective January 1, 1982, the ICC adopted a *Carrier Classification Index Survey Form* for carriers not filing annual report form R-1 with the commission. Class II and class III railroads are currently exempted from filing any financial report with the Commission. The form is used for reclassifying carriers.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

NO. 998. PASSENGER AND FREIGHT TRANSPORTATION OUTLAYS, BY TYPE OF TRANSPORT: 1970 TO 1987

[In billions of dollars. Freight data include outlays for mail and express. ICC=Interstate Commerce Commission]

TYPE OF TRANSPORT	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total outlays [1]	195.6	297.8	446.1	492.4	546.9	595.8	588.7	638.7	706.0	755.6	765.8	779.7
Passenger, total	114.9	187.4	279.3	307.6	336.9	373.5	377.7	409.0	455.7	493.5	499.7	504.7
Private transportation	99.6	161.3	241.9	263.9	284.8	317.4	320.6	347.2	387.0	419.3	424.4	424.6
Automobiles [2]	97.0	156.6	235.9	256.8	276.7	308.0	312.4	339.8	378.8	411.0	416.8	417.4
New and used cars	32.1	46.0	60.4	77.1	73.3	82.6	85.7	105.6	125.7	139.3	156.0	147.4
Tires, tubes, accessories	7.1	12.4	17.2	19.8	22.2	24.6	24.9	26.9	27.5	29.4	29.4	30.0
Gasoline and oil	29.9	53.9	60.3	78.3	99.7	111.3	106.3	105.9	106.7	108.9	88.6	94.2
Insurance less claims	4.4	4.5	10.2	10.3	11.5	10.8	11.2	12.5	12.0	11.6	14.7	15.0
Interest on debt	4.7	7.3	12.6	15.4	17.5	21.0	21.8	19.6	25.1	26.7	25.4	25.0
Registration and operator's permit fees	1.9	2.3	3.0	3.1	3.3	3.5	3.8	4.1	4.5	5.3	5.6	5.8
Repair, greasing, washing, parking, tolls [3]	13.2	22.1	33.0	36.7	38.0	41.5	43.5	45.7	50.4	56.8	60.9	62.0
Air	2.6	4.7	5.9	7.1	8.1	9.4	8.2	7.4	8.2	8.3	7.6	7.2
For-hire transportation	15.3	26.2	37.3	43.3	52.2	56.1	57.1	61.8	68.7	74.2	75.2	80.1
Local [4]	5.4	10.5	13.9	15.4	18.5	20.4	21.3	22.3	23.6	27.7	28.5	28.8
Bus and transit [5]	1.8	4.7	6.7	7.5	9.2	10.1	10.3	11.4	11.7	15.1	15.4	15.2
School bus	1.2	2.2	2.7	3.2	3.8	4.7	5.0	5.2	5.8	6.1	6.3	6.3
Taxi	2.1	3.4	4.3	4.5	5.2	5.2	5.6	5.3	5.5	5.8	6.0	6.3
Intercity	7.7	12.9	19.6	23.3	28.4	30.6	30.5	33.5	38.5	39.5	39.6	43.6
Air	6.6	11.2	17.1	20.4	25.1	26.8	26.6	29.7	33.6	35.9	36.2	40.5
Rail [6]	.3	.6	1.3	1.4	1.6	1.9	1.8	1.8	1.8	1.6	1.5	1.4
Bus	.8	1.0	1.2	1.4	1.7	1.8	1.9	2.0	2.0	2.0	1.9	1.7
International	2.2	2.7	3.8	4.6	5.3	5.3	5.4	6.0	6.6	7.0	7.1	7.8
Freight, total [4]	83.8	115.5	174.0	192.9	212.1	234.6	220.9	240.5	262.1	274.9	279.7	287.8
Highway	62.5	84.8	126.8	142.7	155.4	173.3	162.7	180.5	195.6	208.6	214.1	220.3
Truck, intercity	33.6	47.4	78.6	90.2	94.6	100.2	99.9	111.1	120.7	126.2	129.1	132.8
Truck, local	28.9	37.3	49.1	52.3	60.5	72.8	62.5	69.2	74.7	82.2	84.8	87.3
Rail	11.9	16.5	21.9	24.8	27.7	30.5	27.1	27.3	30.5	29.2	27.8	28.4
Water	5.1	7.9	12.4	13.4	14.8	15.7	15.6	16.2	17.8	18.7	18.9	18.0
Oil pipeline	1.4	2.2	5.5	6.2	7.1	7.4	7.9	8.3	8.7	8.3	8.1	8.3
Air carrier	1.2	1.8	2.7	2.8	4.0	4.3	4.4	5.0	6.0	6.8	7.5	8.4

[1] Total outlays less than sum of passenger and freight totals, as estimated freight costs included in costs of new cars, gasoline, oil, tires, and tubes have been excluded to prevent duplication. [2] Includes business-owned vehicles. [3] Includes storage and rental. [4] Includes items not shown separately. [5] Includes Federal, State and local government operating subsidies and capital grants. [6] Includes Federal operating subsidies and capital grants for Amtrak.

Source: Transportation Policy Associates, Washington, DC, *Transportation in America,* March 1988, with periodic supplements. (Copyright.)

No. 999. Employment and Earnings in Transportation, by Industry: 1970 to 1987

[Annual averages of monthly figures. Based on Current Employment Statistics program; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Q 36–42]

SIC[1] code	INDUSTRY	1970	1975	1980	1982	1983	1984	1985	1986	1987
	NUMBER (1,000)									
(X)	**Total**	**2,684**	**2,636**	**2,962**	**2,788**	**2,745**	**2,917**	**3,003**	**3,058**	**3,166**
40	Railroads	634	548	532	429	376	376	359	332	309
4011	Class I railroads	566	496	482	398	348	345	323	294	271
41	Local and interurban passengers	269	270	265	263	257	271	278	287	295
421, 3	Trucking, incl. terminals	999	1,024	1,189	1,125	1,132	1,227	1,267	1,297	1,356
422	Public warehousing	84	84	91	84	85	91	96	99	108
44	Water transportation	213	195	213	202	191	191	186	176	176
45	Air transportation	352	363	453	444	455	489	522	567	604
46	Pipelines, exc. natural gas	18	18	21	21	20	19	19	18	18
47	Transportation services	115	134	198	220	229	253	276	282	300
	AVERAGE WEEKLY EARNINGS (dol.)									
4011	Class I railroads	172	262	427	484	542	573	595	608	627
41	Local and interurban passengers	(NA)	148	217	248	252	258	261	274	282
421, 3	Trucking, incl. terminals	164	247	366	401	408	415	412	415	421
422	Public warehousing	121	171	248	277	288	306	315	318	326
46	Pipelines, exc. natural gas	189	280	441	536	586	597	629	637	644

NA Not available. [1] Standard Industrial Classification, see text, section 13.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 1000. Volume of Domestic Intercity Freight and Passenger Traffic, by Type of Transport: 1970 to 1987

[A ton-mile is the movement of 1 ton (2,000 pounds) of freight for the distance of 1 mile. A passenger-mile is the movement of 1 passenger for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue. See also *Historical Statistics, Colonial Times to 1970*, series Q1–22]

TYPE OF TRANSPORT	1970	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987[1]
FREIGHT TRAFFIC (bil. ton-miles)													
Total	1,936	2,232	2,066	2,467	2,573	2,487	2,430	2,252	2,337	2,515	2,458	2,501	2,673
Railroads	771	858	759	868	927	932	924	810	841	935	895	889	976
Motor vehicles	412	505	454	599	608	555	527	520	575	606	610	634	666
Inland waterways[2]	319	358	342	409	425	407	410	351	359	399	382	393	435
Oil pipelines	431	507	507	586	608	588	564	566	556	568	564	578	587
Domestic airways[3]	3.3	4.0	3.7	4.8	4.6	4.8	5.1	5.1	5.9	6.5	6.7	7.3	8.7
PERCENT DISTRIBUTION													
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Railroads	39.82	38.44	36.74	35.18	36.03	37.47	38.02	36.00	35.99	37.18	36.41	35.55	36.51
Motor vehicles	21.28	22.63	21.97	24.28	23.64	22.32	21.69	23.11	24.60	24.10	24.82	25.35	24.91
Inland waterways[2]	16.48	16.04	16.55	16.58	16.52	16.37	16.87	15.60	15.36	15.86	15.54	15.71	16.27
Oil pipelines	22.26	22.72	24.54	23.75	23.64	23.64	23.21	25.16	23.79	22.58	22.95	23.11	21.97
Domestic airways[3]	.17	.18	.18	.19	.18	.19	.21	.23	.25	.26	.28	.28	.34
PASSENGER TRAFFIC (bil. passenger-miles)													
Total	1,181	1,341	1,354	1,602	1,590	1,558	1,573	1,609	1,645	1,687	1,744	1,806	1,870
Private automobiles	1,026	1,163	1,171	1,362	1,322	1,300	1,319	1,345	1,364	1,388	1,418	1,450	1,494
Domestic airways[4]	119	143	148	203	228	219	216	227	245	263	291	320	341
Bus[5]	25	26	25	26	28	27	27	27	26	25	24	24	23
Railroads[6]	11	9	10	11	12	11	11	10	10	10	11	12	12
PERCENT DISTRIBUTION													
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
rivate automobiles	86.88	86.73	86.48	85.02	83.14	83.44	83.80	83.53	82.82	82.28	81.31	80.29	79.89
omestic airways[4]	10.08	10.66	10.93	12.67	14.34	14.06	13.72	14.11	14.88	15.59	16.68	17.72	18.24
us[5]	2.12	1.94	1.85	1.62	1.76	1.73	1.72	1.68	1.64	1.48	1.38	1.33	1.23
ailroads[6]	.93	.67	.74	.69	.75	.71	.76	.68	.67	.65	.63	.66	.64

[1] Preliminary. [2] Includes Great Lakes and inland waterways, but not coastwise, traffic. [3] Revenue service only for cheduled and non-scheduled carriers, with small section 418 all-cargo carriers included from 1978. Includes express, mail, and xcess baggage. [4] Includes general aviation (mostly private business) flying. [5] Excludes school and urban transit uses. [6] Includes electric railways and rail commuter service.

Source: Transportation Policy Associates, Washington, DC, *Transportation in America*, March 1988, with periodic supplements. opyright.)

NO. 1001. TRANSPORTATION ACCIDENTS, AND RESULTING DEATHS AND INJURIES, BY TYPE OF TRANSPORT: 1970 TO 1987

[For motor vehicle data, see also tables 1018 and 1019; for railroad data, see also table 1037; for air carrier and general aviation data, see also tables 1044 and 1050]

YEAR AND CASUALTY	Total (1,000)	TYPE OF TRANSPORT											
		Motor vehicle [1] (1,000)	Railroad [2]	Air carriers				General aviation [6]	Recreational boating [7]	Gas pipelines [8]	Liquid pipelines [9]	Waterborne [10]	Hazardous materials [11]
				Total	Airlines [3]	Commuter air carriers [4]	On demand air carriers [5]						
Accidents:													
1970	16,013	16,000	8,095	(NA)	(NA)	(NA)	(NA)	(NA)	3,803	1,019	351	(NA)	(NA)
1975	16,524	16,500	8,041	237	37	48	152	3,995	6,308	1,373	254	3,310	10,961
1980	17,925	17,900	8,451	228	19	38	171	3,590	5,513	1,996	219	4,624	15,737
1981	18,020	18,000	5,781	214	26	31	157	3,500	5,208	1,695	239	3,503	10,070
1982	18,118	18,100	4,589	178	19	26	132	3,231	5,377	1,711	200	3,174	6,626
1983	18,319	18,300	3,906	184	24	18	140	3,060	5,569	1,575	161	4,704	5,846
1984	18,817	18,800	3,900	185	16	22	146	3,008	5,700	965	188	3,275	5,776
1985	19,348	19,300	3,275	196	23	22	152	2,745	6,237	331	183	3,439	6,014
1986	19,320	17,700	2,620	155	23	15	117	2,581	6,407	227	210	3,026	5,758
1987	(NA)	(NA)	2,513	166	35	34	97	2,465	6,746	230	235	(NA)	6,215
Deaths:													
1970	54.8	52.6	785	(NA)	(NA)	(NA)	(NA)	(NA)	1,418	22	4	(NA)	(NA)
1975	48.2	44.5	575	221	124	28	69	1,252	1,466	14	7	243	27
1980	54.5	51.1	584	143	1	37	105	1,239	1,360	11	3	206	19
1981	52.5	49.3	556	132	4	34	94	1,282	1,206	17	5	154	28
1982	47.2	43.9	512	320	234	14	72	1,182	1,178	31	-	223	12
1983	45.7	42.6	496	89	15	12	62	1,081	1,241	12	6	289	5
1984	44.6	44.3	596	102	4	46	52	1,115	1,063	35	-	113	7
1985	47.3	43.8	454	640	526	37	77	976	1,116	28	5	131	8
1986	48.8	46.1	475	75	4	4	67	955	1,066	36	4	162	10
1987	(NA)	46.3	540	354	232	60	62	804	1,036	11	-	(NA)	13
Injuries:													
1970	2,024	2,000	21,327	(NA)	(NA)	(NA)	(NA)	(NA)	780	347	21	(NA)	(NA)
1975	1,658	1,800	54,306	109	71	6	32	728	2,136	819	17	97	648
1980	2,066	2,000	62,246	74	17	14	43	675	2,650	310	15	176	626
1981	1,956	1,900	53,003	82	21	24	37	597	2,474	74	22	141	643
1982	1,741	1,700	37,636	98	31	28	39	620	2,682	220	8	271	130
1983	1,636	1,600	32,196	49	8	12	29	566	2,913	242	9	209	183
1984	1,739	1,700	35,660	67	9	23	35	595	2,709	229	19	134	257
1985	1,705	1,700	31,592	92	33	16	43	517	2,757	121	17	187	253
1986	1,829	1,800	24,465	65	22	12	31	540	2,847	124	32	240	316
1987	(NA)	1,800	23,533	86	53	16	19	477	3,501	128	17	(NA)	339

- Represents zero. NA Not available. [1] Data on deaths are from U.S. National Highway Traffic Safety Administration and are based on 30 day definition; see table 1018. Other data are from National Safety Council. [2] Train accidents cover only those accidents which result in damages to railroad property exceeding amounts specified by the U.S. Federal Railroad Administration. The reporting threshold was raised from $750 to $1,750 in 1975; to $2,900 in 1979; to $3,700 in 1981; to $4,500 in 1983; and to $4,900 in 1985. Grade crossing accidents are also included when classified as a train accident. Deaths exclude fatalities in railroad-highway grade crossing accidents. [3] Includes scheduled and non-scheduled (charter) air carriers operating under 14 CFR 121, 125, and 127. Injuries include only serious injuries. [4] All scheduled service operating under 14 CFR 135. Injuries include only serious injuries. [5] All non-scheduled service operating under 14 CFR 135. Injuries include only serious injuries. [6] 1975–1984 data exclude commuter and on-demand air taxis operating under 14 CFR 135. [7] Accidents are required to be reported to the U.S. Coast Guard whenever they result in a death; a person being injured or receiving medical treatment beyond first aid; damages exceed $200; or a person's disappearance. [8] Pipeline accidents/incidents are credited to the year in which they occurred beginning with 1983 data; prior data are credited to the year the accident/incident reports were filed. Fatalities and injuries as reported in annual report. [9] Pipelines carrying hazardous materials, petroleum, and liquid petroleum products. [10] Covers accidents involving commercial vessels which must be reported to U.S. Coast Guard if there is property damage exceeding $1,500; material damage affecting the seaworthiness or efficiency of a vessel; stranding or grounding; loss of life; or injury causing a person's incapacity for more than 3 days. [11] Accidents, deaths, and injuries involving hazardous materials cover all types of transport.

Source: U.S. Dept. of Transportation, Transportation Systems Center, Cambridge, MA, *Transportation Safety Information Report*, annual.

NO. 1002. FEDERAL OUTLAYS FOR TRANSPORTATION, BY FUNCTION: 1970 TO 1988

[In millions of dollars. For fiscal years ending in year shown; see text, section 9]

FUNCTION	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988, est.
Total outlays	**7,008**	**10,918**	**17,532**	**21,329**	**23,379**	**20,625**	**21,334**	**23,669**	**25,838**	**28,117**	**26,228**	**27,217**
Percent of total outlays	3.6	3.3	3.5	3.6	3.4	2.8	2.6	2.8	2.7	2.8	2.6	2.5
Average annual percent change [1]	7.4	19.0	13.0	21.7	9.6	−11.8	3.4	10.9	9.2	8.8	−6.7	3.8
Ground transportation	4,678	7,027	12,115	15,274	17,074	14,321	14,265	16,158	17,606	18,725	17,157	17,707
Air transportation	1,408	2,387	3,355	3,723	3,814	3,526	4,000	4,415	4,895	5,287	5,520	6,014
Water transportation	895	1,430	1,969	2,229	2,381	2,687	2,969	3,010	3,201	3,964	3,461	3,280
Other transportation	26	74	93	104	110	90	99	85	137	140	91	133

[1] Change from immediate prior year.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

No. 1003. HIGHWAY MILEAGE—URBAN AND RURAL, BY TYPE OF CONTROL, AND FEDERAL-AID HIGHWAY SYSTEM: 1960 TO 1986

[In thousands, except percent. As of **Dec. 31.** Beginning 1980, data for urban and rural mileage are not comparable to prior years because of classification changes; see text, section 21. See also *Historical Statistics, Colonial Times to 1970*, series Q 50, 51, and 55]

TYPE AND CONTROL	1960	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total mileage [1]	**3,546**	**3,690**	**3,730**	**3,838**	**3,918**	[2] **3,955**	**3,853**	**3,866**	**3,880**	**3,892**	**3,862**	**3,880**
Urban mileage [3]	430	506	561	639	694	624	632	641	662	674	691	701
Under State control	50	65	74	84	86	79	90	103	100	103	111	94
Under local control	379	442	487	555	607	543	540	536	562	571	578	606
Rural mileage	3,116	3,183	3,169	3,199	3,224	[2] 3,331	3,221	3,226	3,217	3,218	3,171	3,178
Percent surfaced [4]	69.5	72.3	76.1	77.6	77.5	77.5	86.1	85.7	86.0	87.5	88.1	88.4
Under State control	659	687	707	711	697	702	726	[5] 825	817	818	773	704
Under local control	2,345	2,346	2,275	2,261	2,281	2,270	2,236	[5] 2,140	2,138	2,134	2,173	2,243
Under Federal control	112	150	188	227	244	262	256	261	262	266	225	231
Federal-aid highway system: [6]												
Primary	265	269	272	266	303	300	298	298	300	300	301	303
Interstate	10	21	32	37	40	41	42	42	43	43	44	44
Urban	(x)	(x)	(x)	65	124	124	129	134	137	140	144	146
Secondary	601	640	647	643	397	398	401	402	397	398	398	398

X Not applicable. [1] Prior to 1980, includes public and nonpublic road mileage; beginning 1981, includes only public road mileage as defined 23 USC 402. [2] Includes 98,000 miles of nonpublic road mileage previously contained in other rural categories. [3] Prior to 1980, represents municipal mileage; see text, section 21. [4] Covers soil-surfaced roads and roads with slag, gravel, stone, bituminous, or concrete surfaces. [5] Incomplete reporting from Alaska, Missouri, and Pennsylvania for control accounts for changes between 1981 and 1982. [6] For definition, see text, section 21. Beginning 1979, data represent actual mileage open to traffic rather than total highway miles carrying interstate traffic.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 1004. HIGHWAY MILEAGE—URBAN, RURAL, AND FEDERAL-AID HIGHWAY SYSTEM: 1986

[As of **Dec. 31.** For definition of urban, rural, and Federal-aid highway system roads, see text, section 21]

STATE	Urban (1,000)	Rural (1,000)	FEDERAL-AID HIGHWAY SYSTEM [1]			
			Total		Urban	Secondary
			Primary	Interstate [2]		
U.S.	**701.4**	**3,178.1**	**303,233**	**43,844**	**146,121**	**397,914**
AL	14.6	73.3	7,572	879	2,745	11,405
AK	1.7	11.9	2,132	1,089	235	1,851
AZ	10.2	67.1	5,111	1,161	3,091	3,299
AR	7.6	69.4	5,728	542	1,121	7,173
CA	67.4	107.7	13,457	2,389	17,099	11,088
CO	10.9	65.4	5,240	924	2,284	3,411
CT	10.8	8.9	1,611	340	2,958	902
DE	1.5	3.8	473	41	305	602
DC	1.1	-	186	12	233	-
FL	32.0	67.1	9,726	1,329	5,651	4,549
GA	19.8	86.8	11,302	1,232	3,968	13,996
HI	1.4	2.7	548	37	318	450
ID	2.4	69.2	3,270	605	725	4,191
IL	31.1	103.7	11,563	1,793	6,702	12,938
IN	17.5	73.9	6,083	1,118	4,530	9,243
IA	8.6	103.9	9,624	784	2,412	13,490
KS	8.7	123.9	8,893	820	1,568	22,611
KY	7.5	62.1	4,520	742	1,851	7,252
LA	12.2	46.0	3,857	711	2,085	7,351
ME	2.4	19.6	2,323	315	707	2,730
MD	11.7	16.0	2,583	389	2,124	1,894
MA	20.6	13.2	2,776	562	5,903	2,007
MI	26.9	90.7	8,416	1,136	5,410	16,986
MN	14.0	118.7	10,202	889	2,192	16,640
MS	7.0	64.8	6,408	686	1,691	11,726
MO	15.0	104.4	7,970	1,160	2,356	18,206
MT	2.3	69.4	6,650	1,187	322	4,891
NE	4.9	87.3	7,676	481	1,053	11,434
NV	3.2	41.2	2,391	545	557	2,315
NH	2.4	12.1	1,353	221	722	1,230
NJ	22.4	11.6	1,858	388	5,347	1,722
NM	5.2	48.4	4,555	999	606	3,951
NY	37.2	72.9	9,940	1,496	8,702	6,306
NC	18.0	75.6	5,300	797	2,658	10,297
ND	1.7	84.5	6,106	571	463	10,535
OH	30.9	82.3	8,192	1,560	7,725	11,610
OK	12.4	98.6	6,233	927	2,978	11,178
OR	8.5	86.1	5,779	716	1,983	7,791
PA	29.1	86.6	11,437	1,524	6,983	8,039
RI	4.4	1.6	466	70	939	197
SC	9.3	54.0	6,460	789	1,169	8,517
SD	1.7	71.7	6,479	678	379	10,993
TN	14.5	69.4	7,168	1,057	3,084	5,471
TX	73.5	212.5	19,887	3,181	7,574	32,623
UT	5.3	44.6	3,501	877	920	2,604
VT	1.0	13.1	1,440	320	281	1,946
VA	14.3	51.5	6,413	1,053	3,347	10,206
WA	15.4	65.0	5,788	749	3,898	7,205
WV	3.0	32.2	2,930	479	785	6,360
WI	14.1	94.6	9,762	578	2,871	12,409
WY	1.8	37.1	3,895	914	511	2,293

– Represents zero. [1] Highway mileage open to traffic. [2] Although the interstate system is part of the Federal-aid primary system, its mileage is shown separately.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 1005. Highway Mileage—Pavement Condition for Urban and Rural Areas, by Type of Road System: 1980 to 1986

[Highway pavement condition is classified by the Present Serviceability Rating (PSR) system, which ranges from a high of 5.0 down to 0.1. The reported ranges are defined as: PSR 5.0-3.5, pavements give a first class ride and exhibit few, if any, visible signs of surface wear. Of the quality of new or nearly new pavements. PSR 3.4-2.0, pavements have a riding quality somewhat inferior to that of new pavements or may even be barely tolerable at high speeds. Surfaces may show signs of cracking, substantial patching, and rutting. PSR 1.9-0.1, pavements show extensive wear to the point of needing resurfacing or may even need complete reconstruction]

PAVEMENT CONDITION	INTERSTATE ROAD SYSTEMS				ARTERIAL ROAD SYSTEMS				COLLECTOR ROAD SYSTEMS			
	1980	1984	1985	1986	1980	1984	1985	1986	1980	1984	1985	1986
URBAN AREAS												
Percent of road mileage rated—												
PSR 0.1-1.9 (0.1-2.4) [1]	6	9	7	7	7	6	5	5	9	8	7	7
PSR 2.0-3.4 (2.5-3.4) [1]	26	36	38	38	42	52	53	51	50	58	58	58
PSR 3.5-5.0	66	55	55	56	51	42	42	44	41	34	35	35
RURAL AREAS												
Percent of road mileage rated—												
PSR 0.1-1.9 (0.1-2.4) [1]	5	8	7	9	6	6	4	4	16	11	10	9
PSR 2.0-3.4 (2.5-3.4) [1]	26	34	33	33	46	50	51	50	55	56	59	58
PSR 3.5-5.0	69	58	60	58	48	44	45	46	29	33	31	33

[1] PSR range shown in parentheses applies to Interstate roads only.

No. 1006. Receipts and Disbursements for Highways, by Type: 1970 to 1988

[In millions of dollars. Data compiled from reports of State and local authorities. For Federal highway trust fund receipts, disbursements, and balances, see table 492. State data include District of Columbia]

TYPE	1970	1975	1980	1985	1986	1987	1988, proj.		
							Total [1]	Federal	State
Total receipts	**21,747**	**29,160**	**39,715**	**61,506**	**64,669**	**65,826**	**70,615**	**15,911**	**34,879**
Current income	19,861	26,921	37,604	54,957	58,373	61,446	66,065	15,911	32,379
Imposts on highway users [2]	15,311	18,578	22,559	35,599	37,334	39,776	42,958	13,854	27,754
Other taxes and fees	3,732	6,605	11,808	15,127	16,381	16,939	18,385	895	2,940
Investment income and other receipts	818	1,738	3,237	4,231	4,658	4,731	4,722	1,162	1,685
Bond issue proceeds [3]	1,886	2,239	2,111	6,549	6,296	4,380	4,550	-	2,500
Intergovernmental payments [4]	(x)	(x)	(x)	(x)	(x)	(x)	(x)	-14,058	6,797
Funds drawn from (+) or placed in (–) reserves	–912	–461	+2,080	–4,058	–2,603	–1,107	–2,968	–814	–961
Total funds available	20,835	28,699	41,795	57,448	62,066	64,719	67,647	1,039	40,715
Total disbursements	**20,835**	**28,699**	**41,795**	**57,448**	**62,066**	**64,719**	**67,647**	**1,039**	**40,715**
Current disbursements	19,583	27,207	40,084	54,725	58,934	61,405	64,299	1,039	38,763
Capital outlay	11,575	14,398	20,337	27,138	28,892	29,245	30,601	543	23,058
Maintenance and traffic services	4,720	7,286	11,445	16,032	17,355	18,549	19,278	163	7,315
Administration and research	1,275	1,981	3,022	4,033	4,583	4,907	5,240	333	3,165
Law enforcement and safety	1,303	2,413	3,824	5,334	5,597	6,006	6,403	-	3,493
Interest on debt	710	1,129	1,456	2,188	2,507	2,698	2,777	-	1,732
Debt retirement [3]	1,252	1,492	1,711	2,723	3,132	3,314	3,348	-	1,952

- Represents zero. X Not applicable. [1] Includes other levels of government not shown separately. [2] Excludes amounts later allocated for nonhighway purposes. [3] Par value. Excludes issue and redemption of short-term notes or refunding bonds. Premiums and discounts on sale of bonds and accrued interest are included with investment income and other receipts. Redemption premiums and discounts are included with interest on debt. [4] Plus sign (+) indicates net receipt of funds from other levels of government; minus sign (–) indicates net disbursement of funds to other levels.

Source of tables 1005 and 1006: U.S. Federal Highway Administration, *Highway Statistics*, annual; and releases.

No. 1007. Disbursements of State Highway Funds, by State: 1980 to 1986

[In millions of dollars. Comprises disbursements from current revenues or loans for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous. Includes transactions by State toll authorities. Excludes amounts allocated for collection and nonhighway purposes, and bonds redeemed by refunding. See also *Historical Statistics, Colonial Times to 1970*, series Q 90-94]

STATE	1980	1985	1986	STATE	1980	1985	1986	STATE	1980	1985	1986
U.S.	**30,049**	**40,891**	**44,200**	KS	440	506	581	ND	143	199	172
				KY	913	901	1,004	OH	1,032	1,622	1,530
AL	517	875	772	LA	682	879	1,055	OK	461	668	653
AK	274	383	394	ME	164	238	235	OR	482	492	553
AZ	365	778	1,027	MD	663	988	1,293	PA	1,557	2,340	2,608
AR	425	488	536	MA	704	786	800	RI	72	139	190
CA	1,930	3,006	2,964	MI	997	1,275	1,414	SC	309	420	441
CO	411	583	625	MN	611	980	962	SD	151	211	186
CT	393	565	705	MS	468	645	667	TN	609	800	834
DE	152	234	241	MO	555	654	868	TX	1,682	1,825	2,789
DC	57	142	187	MT	224	286	316	UT	241	394	334
FL	1,261	1,647	1,778	NE	274	358	382	VT	67	135	181
GA	762	1,115	1,108	NV	169	241	256	VA	894	1,165	1,329
HI	134	137	140	NH	152	219	203	WA	767	1,040	1,068
ID	153	229	220	NJ	662	1,229	1,517	WV	672	582	513
IL	1,652	2,087	2,114	NM	197	384	413	WI	468	669	763
IN	686	919	969	NY	1,650	2,022	2,183	WY	192	298	278
IA	504	746	725	NC	807	986	955				

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

NO. 1008. FEDERAL GRANTS TO STATE AND LOCAL GOVERNMENTS FOR HIGHWAY TRUST FUND AND URBAN MASS TRANSPORTATION ADMINISTRATION (UMTA), BY STATE: 1987

[Year ending **Sept. 30**]

STATE	HIGHWAY TRUST FUND		UMTA		STATE	HIGHWAY TRUST FUND		UMTA		STATE	HIGHWAY TRUST FUND		UMTA	
	Total (mil. dol.)	Per capita [1]	Total (mil. dol.)	Per capita [1]		Total (mil. dol.)	Per capita [1]	Total (mil. dol.)	Per capita [1]		Total (mil. dol.)	Per capita [1]	Total (mil. dol.)	Per capita [1]
U.S.	**11,191**	**$45.98**	**3,229**	**$13.26**	KY	197	52.76	14	3.71	ND	72	107.71	3	3.76
AL	188	46.00	16	3.90	LA	237	53.04	25	5.56	OH	285	26.39	74	6.83
AK	140	266.48	2	4.52	ME	59	50.05	5	4.11	OK	155	47.31	12	3.72
AZ	267	78.93	20	5.78	MD	365	80.59	85	18.79	OR	151	55.36	29	10.74
AR	112	46.81	6	2.45	MA	120	20.43	195	33.24	PA	597	50.01	178	14.90
CA	794	28.69	411	14.87	MI	406	44.34	85	9.23	RI	66	66.97	8	8.43
CO	203	61.61	26	7.91	MN	268	63.03	37	8.64	SC	145	42.38	7	1.99
CT	240	74.66	40	12.31	MS	132	50.34	3	1.22	SD	71	100.44	2	2.12
DE	47	73.14	6	8.96	MO	251	49.14	29	5.77	TN	233	47.90	19	3.98
DC	54	86.55	210	337.49	MT	102	125.78	3	3.19	TX	579	34.51	94	5.60
FL	428	35.63	99	8.24	NE	91	56.98	9	5.58	UT	156	92.73	23	13.65
GA	352	56.55	116	18.56	NV	79	78.13	4	4.44	VT	54	99.20	1	1.78
HI	39	35.64	18	16.68	NH	63	59.37	4	3.91	VA	387	65.51	19	3.23
ID	70	69.75	1	1.38	NJ	248	32.33	240	31.29	WA	325	71.65	90	19.93
IL	421	36.36	253	21.87	NM	95	63.10	4	2.50	WV	187	98.61	6	3.32
IN	232	41.86	50	8.99	NY	648	36.33	576	32.45	WI	147	30.66	36	7.42
IA	162	57.05	11	3.87	NC	211	32.95	16	2.49	WY	82	167.13	1	1.71
KS	180	72.85	6	2.39										

[1] Based on Bureau of the Census estimated resident population as of July 1.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

NO. 1009. STATE GASOLINE TAX RATES, 1986 AND 1987, AND MOTOR FUEL TAX RECEIPTS, 1986

[See also *Historical Statistics, Colonial Times to 1970*, series Q 233-234]

STATE	RATE [1] (cents per gal.)		Receipts,[2] 1986 (mil. dol.)	STATE	RATE [1] (cents per gal.)		Receipts,[2] 1986 (mil. dol.)	STATE	RATE [1] (cents per gal.)		Receipts,[2] 1986 (mil. dol.)
	1986	1987			1986	1987			1986	1987	
Total	**20.88**	(NA)	(X)	IA	16	16	246	NC	15.5	15.5	489
Federal	[3] 9.10	[3] 9.10	(X)	KS	11	11	154	ND	13	17	49
State	11.78	(NA)	14,833	KY [5]	15	15	239	OH	12	14.7	606
AL	[4] 13	13	254	LA	16	16	347	OK [6]	10	16	202
AK	8	8	21	ME	14	14	90	OR	11	12	141
AZ	16	16	297	MD	13.5	18.5	311	PA	12	12	920
AR	13.5	13.5	197	MA	11	11	282	RI	15	15	55
CA	9	9	1,227	MI	15	15	656	SC	13	15	255
CO	18	18	245	MN	17	17	348	SD	13	13	52
CT	17	19	238	MS	9	15	138	TN [7]	17	17	396
DE	13	16	42	MO	7	11	215	TX	10	15	1,007
DC	15.5	15.5	25	MT	17	20	81	UT	14	19	115
FL	9.7	9.7	596	NE	17.1	17.9	153	VT	13	13	39
GA	7.5	7.5	293	NV	13	16	80	VA [5]	15	17.5	443
HI	11	11	39	NH	14	14	71	WA	18	18	414
ID	14.5	14.5	79	NJ	8	8	349	WV	10.5	10.5	103
IL	13	13	676	NM	11	14	104	WI	17.5	20	403
IN	14	14	517	NY	8	8	500	WY	8	8	36

NA Not available. X Not applicable. [1] In effect Dec. 31. [2] Represents net receipts. [3] Federal tax includes 0.1 cent per gallon for the leaking underground storage tank fund effective January 1, 1987. [4] Includes 2 cents per gallon inspection fee. [5] Trucks or combinations with more than 2 axles pay tax of 2 cents per gallon more in Kentucky, and 3.5 cents per gallon more in Virginia. [6] .08 cents per gallon is for inspection fee. [7] Includes 1 cent per gallon inspection fee.

NO. 1010. PUBLIC HIGHWAY DEBT—STATE AND LOCAL GOVERNMENTS: 1970 TO 1988

[**In millions of dollars.** Long-term obligations. State data are for calendar years; local data for varying fiscal years. Excludes duplicated and interunit obligations. Municipal debt includes other political subdivisions urban in character. See also *Historical Statistics, Colonial Times to 1970*, series Q 136-147]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987 [1]	1988 [2]
Total debt issued [3]	**1,886**	**2,239**	**2,094**	**2,574**	**2,915**	**2,566**	**3,151**	**6,074**	**6,296**	**4,380**	**4,550**
State	1,305	1,412	1,128	965	1,555	1,072	1,715	3,404	3,946	2,480	2,500
County and township	174	222	276	305	415	475	524	1,387	1,200	600	700
Municipal	407	605	690	1,304	945	1,019	912	1,283	1,150	1,300	1,350
Total debt redeemed [4]	**1,252**	**1,492**	**1,706**	**2,464**	**2,046**	**2,172**	**2,411**	**2,737**	**3,132**	**3,314**	**3,348**
State	782	906	1,022	1,579	1,146	1,191	1,507	1,580	1,875	1,950	1,952
County and township	152	168	209	201	225	303	216	378	432	516	526
Municipal	318	418	475	684	675	678	688	779	825	848	870
Total debt outstanding	**19,107**	**23,801**	**25,851**	**25,961**	**26,830**	**27,224**	**27,964**	**31,301**	**34,665**	**35,531**	**36,733**
State	13,903	17,422	18,282	17,668	18,077	17,958	18,166	19,990	22,061	22,591	23,139
County and township	1,685	1,822	2,157	2,261	2,451	2,623	2,931	3,940	4,708	4,792	4,966
Municipal	3,519	4,557	5,412	6,032	6,302	6,643	6,867	7,371	7,896	8,148	8,628

[1] Preliminary. [2] Projection. [3] Excludes refunding issues. [4] Excludes redemptions by refunding.

Source of tables 1009 and 1010: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 1011. Motor Vehicles—Summary: 1970 to 1987

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986
PASSENGER CARS									
Passenger car production	1,000	6,550	6,717	6,376	5,073	6,781	7,773	8,185	7,829
Passenger car factory sales	1,000	6,547	6,713	6,400	5,049	6,739	7,621	8,002	7,516
Passenger car (new), retail sales [1]	1,000	8,405	8,640	8,979	7,982	9,182	10,390	11,042	11,460
Domestic [2]	1,000	7,116	7,050	6,581	5,759	6,795	7,952	8,205	8,215
Subcompact [3]	1,000	1,338	700	1,604	1,489	1,776	2,322	1,297	1,325
Compact [3]	1,000		2,336	1,659	1,257	1,110	1,336	2,563	2,461
Standard [3]	1,000	5,778	1,956	1,358	1,377	1,825	1,817	1,882	1,868
Intermediate [3]	1,000		2,058	1,957	1,641	2,071	2,484	2,464	2,540
Imports [4]	1,000	1,285	1,587	2,398	2,223	2,387	2,439	2,838	3,245
TRUCKS									
Truck and bus production	1,000	1,734	2,270	1,634	1,912	2,444	3,151	3,468	3,490
Truck and bus factory sales	1,000	1,692	2,272	1,667	1,906	2,414	3,075	3,357	3,393
Truck and bus retail sales [5]	1,000	1,746	2,351	2,232	2,248	2,709	3,538	3,984	4,031
Light duty (up to 14,000 GVW) [6]	1,000	(NA)	2,076	1,964	2,064	2,521	3,261	3,700	3,766
Med. duty (14,001-26,000 GVW) [6]	1,000	(NA)	169	92	46	48	61	53	51
Heavy duty (over 26,000 GVW) [6]	1,000	126	106	176	138	141	216	231	214
MOTORCYCLES									
Motorcycle registrations, new [7]	1,000	751	747	838	689	811	772	722	631
Motorcycle (new) retail sales [8]	1,000	1,010	940	1,070	990	1,185	1,305	1,260	1,045
All-terrain vehicles	1,000	(NA)	(NA)	(NA)	250	425	550	550	465
All-terrain vehicle imports	1,000	(NA)	(NA)	(NA)	275	430	635	683	498
Motorcycle imports, total [9]	1,000	1,091	948	1,120	917	540	441	733	550
Value [10]	Mil. dol	308	713	1,142	1,110	697	523	783	763
FOREIGN TRADE									
Passenger cars (new), exported [1] [11]	1,000	285	640	617	379	554	616	704	673
Passenger cars (new), imported [1] [12]	1,000	2,013	2,075	3,116	2,926	3,134	3,559	4,398	4,691
Canada	1,000	693	734	595	703	836	1,073	1,145	1,162
Germany, Federal Republic of	1,000	675	370	339	259	240	335	473	452
Japan	1,000	381	696	1,992	1,801	1,871	1,949	2,527	2,619
Trucks (new) exports	1,000	91	219	186	124	132	159	183	206
Trucks (new) imports [12]	1,000	166	295	747	697	785	1,025	1,253	1,351
Japan	1,000	27	142	483	356	430	567	800	976
Import value, new passenger cars [1]	Mil. dol	3,719	7,483	16,675	20,180	23,394	29,264	36,474	45,302
Trucks and buses, new [1]	Mil. dol	381	620	1,985	4,453	4,848	6,541	7,734	8,504
Export value [1] [13]	Mil. dol	3,871	10,658	16,015	16,039	17,078	20,776	22,820	21,955
Passenger cars (new) [13]	Mil. dol	822	2,852	3,932	2,867	4,208	4,876	6,027	6,258
Trucks and buses (new) [13]	Mil. dol	636	2,305	2,977	2,642	2,130	2,479	2,789	2,953
Parts and accessories [14]	Mil. dol	2,413	5,501	9,106	10,530	10,740	13,421	14,004	12,744
VEHICLES IN USE AND RETIRED									
Cars in use, total	Million	80.4	95.2	104.6	106.9	109.0	112.0	114.7	117.3
Under 3 years	Million	24.4	25.8	26.8	21.5	20.7	22.0	24.8	27.9
3-5 years	Million	24.9	27.0	25.5	29.9	28.8	26.8	23.9	22.7
6-8 years	Million	18.4	22.0	25.2	22.2	23.5	26.8	27.8	26.5
9-11 years	Million	7.7	13.9	14.6	17.9	18.9	17.4	17.2	18.7
12 years and over	Million	4.9	6.6	12.5	15.4	17.0	19.0	21.0	21.5
Average age	Years	5.6	6.0	6.6	7.2	7.4	7.5	7.6	7.6
Cars retired from use [15]	1,000	7,461	5,669	8,405	6,921	6,243	6,675	7,729	8,442
Trucks in use, total	Million	17.7	24.8	35.2	37.0	38.1	40.1	42.4	44.8
Under 3 years	Million	4.7	6.9	8.8	5.6	5.9	7.2	9.0	11.1
3-5 years	Million	4.3	5.8	8.1	10.7	9.5	8.0	6.3	6.6
6-8 years	Million	3.0	4.4	7.4	7.1	7.7	9.2	10.2	8.9
9-11 years	Million	1.9	3.2	4.4	5.7	6.5	6.2	6.2	6.7
12 years and over	Million	3.9	4.4	6.5	7.9	8.5	9.6	10.7	11.5
Average age	Years	7.3	6.9	7.1	7.8	8.1	8.2	8.1	8.0
Trucks retired from use [15]	1,000	837	908	1,732	1,459	1,491	1,602	2,100	2,309
TIRES AND BATTERIES SHIPMENTS									
Tires, passenger car, total [16]	Million	168.6	167.0	145.9	167.5	182.0	201.6	200.9	202.7
Radials	Million	2.9	61.5	83.5	115.9	133.4	156.6	164.7	174.0
Replacement	Million	129.6	122.5	106.9	130.5	134.0	144.6	141.5	144.3
Tires, truck and bus, total [16]	Million	25.7	27.3	31.1	33.8	36.9	40.8	41.1	40.6
Radials	Million	(NA)	.8	3.8	10.4	13.4	16.0	19.7	21.1
Replacement	Million	16.7	19.8	24.4	28.1	30.3	31.7	32.1	32.4
Batteries, total [17]	Million	46.9	52.9	61.7	64.6	69.0	74.7	74.4	75.7
Replacement automobile batteries	Million	37.9	42.6	50.1	54.2	56.1	59.3	58.7	60.3

NA Not available. [1] Based on data from U.S. Dept. of Commerce. [2] Includes domestic models produced in Canada Mexico. [3] Source: Board of Governors of the Federal Reserve System, unpublished data. Represents total auto sales data *Ward's Automotive Reports*. Criteria by which each year's car models are grouped into the major size categories vary among collecting data. Data shown here follow *Automotive News* classifications. Beginning 1980, cars produced in U.S. by manufacturers are included. [4] Excludes domestic models produced in Canada. [5] Excludes motorcoaches and imports from foreign manufacturers. Beginning 1975, includes imports sold by franchised dealers of U.S. manufacturers. 1986, includes sales of trucks over 10,000 lbs. GVW by foreign manufacturers. [6] Gross vehicle weight (fully loaded

[7] Source: R. L. Polk & Company, Detroit, MI, *New Motorcycle Registrations by States*. 1970-1986 excludes Oklahoma; excludes New York. Reproduction prohibited without Polk permission. [8] Estimates by Motorcycle Industry Council Inc., Mesa, CA. Includes all-terrain vehicles and scooters. Excludes mopeds/motorized bicycles. [9] Source: Motorcycle Council, Inc., Costa Mesa, CA. Data from U.S. Dept. of Commerce. Excludes mopeds/motorized bicycles and all-terrain

[10] Dutiable value for customs purposes prior to 1980 thereafter, c.i.f. value. [11] 1970-1975, covers assembled vehicles Beginning 1980, includes chassis. [12] Includes other countries, not shown separately. [13] Covers assembled and vehicles. [14] Includes rubber tires and tubes and used vehicles. [15] For years ending June 30. Represents vehicles re-register. [16] Includes original equipment. Also includes exports, not shown separately. Source: The Rubber Association, Inc., Washington, D.C., *RMA Monthly Tire Report*. [17] Source: Battery Council International, Chicago, IL.

Source: Except as noted, Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *Motor Vehicle and Figures*, annual; and *World Motor Vehicle Data*, annual.

No. 1012. Motor-Vehicle Registrations, 1970 to 1987, and Vehicle-Miles of Travel, 1986, by State

[**In thousands, except as indicated.** Motor vehicle registrations cover publicly, privately, and commercially owned vehicles. For uniformity, figures have been adjusted to a calendar-year basis as registration years in States differ; figures represent net numbers where possible, excluding re-registrations and nonresident registrations]

STATE	AUTOMOBILES, TRUCKS, AND BUSES [1]							MOTORCYCLES [1] (incl. official) 1987, est.		1986		
	1970	1980	1985	1986	1987, est.					Public road and street mileage (1,000 mi.)	Vehicle miles of travel	
					Total	Automobiles (incl. taxis)		Total	Per 1,000 population [2]		Total (bil. mi.)	Per mile of road (1,000)
						Total	Per 1,000 population [2]					
U.S.	**108,418**	**155,796**	**171,654**	**176,191**	**180,989**	**139,041**	**571**	**5,148**	**21**	**3,879.5**	**1,838.2**	**473.8**
AL	1,966	2,938	3,338	3,457	3,470	2,534	621	56	14	88.0	34.0	386.4
AK	139	262	353	363	371	233	444	10	19	13.6	4.0	294.1
AZ	1,093	1,917	2,235	2,346	2,440	1,698	501	80	24	77.3	22.7	293.7
AR	1,043	1,574	1,384	1,426	1,459	952	399	20	8	77.1	17.6	228.3
CA	11,901	16,873	18,899	19,760	20,608	15,978	578	684	25	175.1	214.9	1,227.3
CO	1,442	2,342	2,759	2,763	2,769	2,016	612	107	32	76.3	26.4	346.0
CT	1,733	2,147	2,465	2,562	2,658	2,496	777	57	18	19.7	24.1	1,223.4
DE	312	397	465	480	492	386	599	9	14	5.3	5.8	1,094.3
DC	257	268	326	289	295	278	447	3	5	1.1	3.3	3,000.0
FL	4,120	7,614	9,865	10,362	10,943	8,752	728	227	19	99.1	87.3	880.9
GA	2,584	3,818	4,580	4,841	5,106	3,659	588	125	20	106.6	56.8	532.8
HI	405	570	651	689	735	640	591	16	15	4.0	7.0	1,750.0
ID	488	834	854	857	858	536	537	47	47	71.5	7.8	109.1
IL	5,238	7,477	7,727	7,420	7,409	6,084	525	214	18	134.8	74.1	549.7
IN	2,816	3,826	4,024	4,174	4,325	3,241	586	117	21	91.5	40.8	445.9
IA	1,790	2,329	2,696	2,638	2,623	1,890	667	227	80	112.5	20.4	181.3
KS	1,548	2,007	2,148	2,176	2,203	1,518	613	86	35	132.6	19.8	149.3
KY	1,763	2,593	2,615	2,685	2,745	1,838	493	43	12	69.6	29.3	421.0
LA	1,742	2,779	3,012	2,890	2,831	1,868	419	48	11	58.2	29.9	513.7
ME	510	724	840	872	916	694	585	43	36	22.0	10.0	454.5
MD	1,872	2,803	3,276	3,361	3,451	2,830	624	84	19	27.7	35.2	1,270.8
MA	2,575	3,749	3,738	3,841	3,927	3,430	586	114	19	33.8	40.7	1,204.1
MI	4,569	6,488	6,727	6,832	6,939	5,493	597	247	27	117.7	72.0	611.7
MN	2,207	3,091	3,385	3,087	3,107	2,400	565	132	31	132.6	33.8	254.9
MS	1,117	1,577	1,746	1,770	1,798	1,374	523	23	9	71.8	19.2	267.4
MO	2,408	3,271	3,558	3,683	3 790	2,741	537	74	15	119.4	41.6	348.4
MT	485	680	652	673	693	468	578	26	32	71.7	7.7	107.4
NE	974	1,254	1,257	1,281	1,308	871	546	27	17	92.2	12.6	136.7
NV	355	655	709	769	812	581	577	19	19	44.4	8.0	180.2
NH	390	704	974	1,071	1,164	972	920	67	63	14.5	7.9	544.8
NJ	3,586	4,761	4,909	5,267	5,373	4,870	635	118	15	34.0	55.4	1,629.4
NM	637	1,068	1,176	1,320	1,407	894	596	47	31	53.6	13.2	246.3
NY	6,716	8,002	9,042	9,515	9,996	8,754	491	236	13	110.1	94.7	860.1
NC	2,626	4,532	4,450	4,739	4,934	3,565	550	61	10	93.6	52.9	565.2
ND	428	627	655	648	641	379	564	26	39	86.2	5.6	65.0
OH	5,974	7,771	8,102	8,159	8,204	6,730	624	303	28	113.3	81.3	717.6
OK	1,713	2,583	2,864	2,902	2,934	1,893	579	67	20	111.0	30.8	277.5
OR	1,369	2,081	2,204	2,264	2,336	1,709	627	82	30	94.6	22.7	240.0
PA	5,818	6,926	7,209	7,477	7,724	6,267	525	196	16	115.7	77.6	670.7
RI	488	623	610	632	652	544	552	25	25	6.0	5.4	900.0
SC	1,360	1,996	2,222	2,304	2,369	1,782	520	32	9	63.3	28.3	447.1
SD	426	601	650	664	678	412	581	34	48	73.5	6.2	84.4
TN	2,050	3,271	3,754	3,932	4,156	3,296	679	123	25	83.9	39.5	470.8
TX	6,693	10,475	12,444	12,407	12,421	8,495	506	240	14	286.0	148.3	518.5
UT	664	992	1,099	1,111	1,125	760	452	46	27	49.9	12.1	242.5
VT	229	347	398	418	439	326	595	20	36	14.0	4.8	342.9
VA	2,263	3,626	4,253	4,532	4,718	3,711	629	76	13	65.8	51.7	785.7
WA	2,102	3,225	3,526	3,752	3,906	2,716	599	144	32	80.5	36.0	447.2
WV	801	1,320	1,143	1,170	1,195	826	435	32	17	35.1	13.2	376.1
WI	2,182	2,941	3,187	3,120	3,121	2,402	500	185	38	108.7	38.4	353.3
WY	247	467	500	440	417	237	484	23	47	38.9	5.4	138.8

[1] Excludes vehicles owned by military services. [2] Based on resident population as of July 1.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual; and *Selected Highway Statistics and Charts*, annual.

No. 1013. Motor Vehicles—Registrations, Factory Sales, and Retail Sales: 1955 to 1987

[Minus sign (–) indicates decrease. For definition of average annual percent change, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970,* series Q 148–155]

YEAR	REGISTRATIONS [1] (mil.)			Motorcycle registrations [1] (1,000)	FACTORY SALES (1,000)			PASSENGER CARS RETAIL SALES (1,000)			AVERAGE ANNUAL PERCENT CHANGE [4]	
	Total cars, trucks, buses	Passenger cars [2]	Trucks and buses		Total cars, trucks, buses	Passenger cars	Trucks and buses [3]	Total	Domestic	Imports	Registrations [5]	Retail sales
1955	62.7	52.1	10.6	412	9,169	7,920	1,249	7,466	7,408	58	7.2	(NA)
1960	73.9	61.7	12.2	574	7,869	6,675	1,194	6,641	6,142	499	3.5	–2.3
1965	90.4	75.3	15.1	1,382	11,057	9,306	1,752	9,332	8,763	569	4.7	7.0
1967	96.9	80.4	16.5	1,953	8,976	7,437	1,539	8,337	7,568	769	3.1	–5.5
1968	100.9	83.6	17.3	2,089	10,718	8,822	1,896	9,656	8,625	1,031	4.1	15.8
1969	105.1	86.9	18.2	2,316	10,147	8,224	1,923	9,583	8,464	1,118	4.2	–.8
1970	108.4	89.2	19.2	2,824	8,239	6,547	1,692	8,405	7,119	1,285	3.2	–12.3
1971	113.0	92.7	20.3	3,344	10,638	8,585	2,053	10,250	8,681	1,568	4.2	22.0
1972	118.8	97.1	21.7	3,760	11,271	8,824	2,447	10,950	9,327	1,623	5.1	6.8
1973	125.7	102.0	23.7	4,371	12,637	9,658	2,980	11,439	9,676	1,763	5.8	4.5
1974	129.9	104.8	25.1	4,966	10,059	7,331	2,727	8,867	7,454	1,413	3.4	–22.5
1975	132.9	106.7	26.2	4,964	8,985	6,713	2,272	8,640	7,053	1,587	2.3	–2.6
1976	138.5	110.2	28.4	4,933	11,480	8,500	2,979	10,110	8,611	1,498	4.2	17.0
1977	142.1	112.3	29.8	4,881	12,642	9,201	3,441	11,185	9,109	2,076	2.6	10.6
1978	148.4	116.6	31.8	4,868	12,871	9,165	3,706	11,312	9,312	2,000	4.4	1.1
1979	151.9	118.5	33.4	5,422	11,456	8,419	3,037	10,671	8,341	2,329	2.4	–5.7
1980	155.8	121.6	34.2	5,694	8,067	6,400	1,667	8,979	6,581	2,398	2.6	–15.9
1981	158.3	123.1	35.2	5,831	7,956	6,255	1,701	8,536	6,209	2,327	1.6	–4.9
1982	159.6	123.7	35.9	5,754	6,955	5,049	1,906	7,982	5,759	2,223	.8	–6.5
1983	163.9	126.2	37.7	5,585	9,153	6,739	2,414	9,182	6,795	2,387	2.7	15.0
1984	166.2	128.1	38.1	5,480	10,696	7,621	3,075	10,391	7,952	2,439	1.6	13.2
1985	171.7	131.9	39.8	5,444	11,359	8,002	3,357	11,042	8,204	2,838	3.3	6.3
1986	176.2	135.4	40.8	5,262	10,909	7,516	3,393	11,460	8,215	3,245	2.6	3.8
1987 [6]	181.0	139.0	41.9	5,148	10,907	7,085	3,821	10,278	7,081	3,197	2.7	–10.3

NA Not available. [1] Excludes Alaska and Hawaii prior to 1960. Includes publicly owned vehicles. Excludes military services' vehicles. [2] Includes taxis. [3] Includes standard equipment. [4] From immediate prior year. [5] Excludes motorcycles. [6] Estimate.

Source: Registrations—U.S. Federal Highway Administration, *Selected Highway Statistics and Charts,* annual; sales—Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *MVMA Motor Vehicle Facts and Figures,* annual.

No. 1014. Motor Vehicle Output and Trade in National Income Accounts: 1970 to 1987

[In billions of dollars, except percent. Vehicle output equals final dollar sales value of new vehicles, plus net dollar value of used vehicle sales, adjusted for changes in inventories and net balance of vehicle exports and imports]

YEAR	CURRENT DOLLARS							CONSTANT (1982) DOLLARS						
	GNP [1]	Vehicle output				Vehicle		GNP [1]	Vehicle output				Vehicle	
		Total	Percent of GNP	Auto	Truck	Export value	Import value		Total	Percent of GNP	Auto	Truck	Export value	Import value
1970	1,016	36.8	3.6	28.5	8.3	1.4	4.4	2,416	73.2	3.0	53.1	20.1	3.0	11.8
1971	1,103	49.3	4.5	38.9	10.4	1.8	5.9	2,485	93.6	3.8	69.8	23.8	3.5	14.8
1972	1,213	55.0	4.5	41.4	13.6	2.0	6.8	2,609	104.2	4.0	73.9	30.3	4.0	16.0
1973	1,359	63.1	4.6	46.0	17.1	2.7	7.8	2,744	119.4	4.4	82.0	37.4	5.3	17.2
1974	1,473	57.7	3.9	38.8	18.9	3.7	8.8	2,729	103.7	3.8	65.4	38.3	6.7	17.5
1975	1,598	56.7	3.5	40.3	16.4	5.1	8.4	2,695	90.9	3.4	61.8	29.1	8.5	14.9
1976	1,783	78.3	4.4	55.2	23.1	5.4	11.0	2,827	118.0	4.2	80.1	37.9	8.3	18.2
1977	1,991	95.1	4.8	64.3	30.8	5.6	13.3	2,959	135.7	4.6	88.7	47.0	8.1	20.3
1978	2,250	105.1	4.7	68.3	36.8	6.5	17.4	3,115	138.6	4.4	87.3	51.3	8.7	23.7
1979	2,508	104.0	4.1	66.9	37.1	8.0	18.6	3,192	128.1	4.0	80.2	47.9	10.0	22.8
1980	2,732	84.4	3.1	60.1	24.3	7.1	20.9	3,187	95.2	3.0	67.1	28.1	8.1	23.5
1981	3,053	96.6	3.2	69.4	27.2	7.2	22.6	3,249	102.1	3.1	73.3	28.8	7.6	23.4
1982	3,166	94.3	3.0	66.5	27.8	5.4	25.5	3,166	94.3	3.0	66.5	27.8	5.4	25.5
1983	3,406	123.6	3.6	88.6	35.0	6.2	29.5	3,279	119.8	3.7	85.9	33.9	6.0	28.8
1984	3,772	156.3	4.1	105.1	51.2	7.3	38.9	3,501	146.2	4.2	98.5	47.7	6.9	36.7
1985	4,015	172.8	4.3	116.5	56.3	8.8	45.5	3,619	157.4	4.3	106.5	50.9	7.9	41.1
1986	4,240	175.8	4.1	120.6	55.2	9.3	55.6	3,722	154.0	4.1	106.2	47.8	7.9	46.2
1987	4,527	175.9	3.9	116.3	59.6	9.9	58.2	3,847	151.4	3.9	100.6	50.8	8.2	45.8

[1] For definition of gross national product (GNP), see text, section 14.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82,* and *Survey of Current Business,* July issues.

No. 1015. New Trucks—Retail Sales, by Weight Class and Type: 1980 to 1987

WEIGHT CLASS AND TYPE	NUMBER (1,000)						PERCENT CHANGE			
	1980	1983	1984	1985	1986	1987	1983–1984	1984–1985	1985–1986	1986–1987
Total	**2,232**	**2,709**	**3,538**	**3,984**	**4,031**	**4,174**	**30.6**	**12.6**	**1.2**	**3.5**
Under 6,000 pounds	**985**	**1,314**	**2,031**	**2,408**	**2,541**	**2,696**	**54.6**	**18.6**	**5.5**	**6.1**
Utility	51	254	370	429	382	383	45.7	15.9	−10.8	.2
Pickup, cartype	50	26	26	24	24	15	−1.8	−5.0	−1.5	−35.8
Pickup, conventional	545	445	632	644	582	566	42.0	1.9	−9.7	−2.8
Pickup, compact	254	488	613	696	757	861	25.6	13.4	8.9	13.7
Domestic	26	433	560	625	679	795	29.4	11.6	8.5	17.2
Import	229	55	53	70	79	66	−4.1	32.9	−11.9	−16.7
Van	79	67	121	115	112	101	80.4	−5.3	−2.2	−9.9
Mini van	(X)	(Z)	24	103	110	89	1,317.2	335.1	6.6	−19.2
Station wagon (truck chassis)	(X)	8	62	86	98	108	634.1	38.9	14.1	11.1
Mini passenger carrier	(X)	8	169	301	460	546	1,964.8	78.3	52.8	18.8
6,000 to 10,000 pounds	**975**	**1,207**	**1,224**	**1,280**	**1,214**	**1,175**	**1.5**	**4.6**	**−5.2**	**−3.2**
Utility	108	84	103	108	101	91	22.2	4.4	−6.4	−9.6
Van	172	311	265	261	261	254	−14.8	−1.5	.1	−2.8
Pickup, conventional	546	574	573	628	582	569	−.2	9.7	−7.3	−2.2
Station wagon (truck chassis)	39	69	86	95	98	91	25.0	9.9	4.1	−7.5
10,001 pounds and over	**271**	**189**	**283**	**295**	**276**	**302**	**49.9**	**4.2**	**−6.4**	**9.6**

X Not applicable. Z Less than 500.

Source: Motor Vehicle Manufacturers Association, *Motor Vehicle Facts and Figures,* annual.

No. 1016. Recreational Vehicles—Number and Retail Value of Shipments: 1970 to 1987

YEAR	NUMBER (1,000)					RETAIL VALUE (mil. dol.)				
	Total	Motorized homes	Travel trailers	Folding camping trailers	Truck campers	Total	Motorized homes	Travel trailers	Folding camping trailers	Truck campers
1970	380.3	30.3	138.0	116.1	95.9	1,122	318	445	175	183
1973	528.8	129.0	212.3	97.7	89.8	2,322	1,153	843	160	167
1974	295.8	68.9	126.3	55.2	45.4	1,392	624	567	109	92
1975	339.6	96.6	150.6	48.1	44.3	2,320	1,251	856	101	112
1976	541.1	256.1	189.7	53.3	42.0	4,284	2,923	1,132	117	112
1977	533.9	280.2	167.9	53.9	31.9	5,327	3,876	1,229	123	99
1978	526.3	293.6	159.8	48.2	24.7	5,683	4,329	1,153	116	85
1979	307.7	172.6	90.2	31.1	13.8	3,538	2,682	725	83	48
1980	181.4	99.9	52.0	24.5	5.0	1,952	1,381	485	69	17
1981	239.1	135.2	63.8	35.0	5.1	2,775	2,019	631	105	20
1982	258.0	152.5	65.5	34.3	5.7	3,505	2,701	666	110	28
1983	358.0	223.7	90.0	37.5	6.8	6,324	5,099	1,067	122	36
1984	398.2	257.3	92.4	40.9	7.6	7,610	6,262	1,157	145	46
1985	359.2	233.5	82.9	35.9	6.9	7,029	5,724	1,122	137	46
1986	379.5	249.6	86.0	36.5	7.4	7,564	6,155	1,213	144	53
1987	400.2	255.7	92.8	41.6	10.1	8,400	6,826	1,331	167	76

Source: Recreation Vehicle Industry Association, Reston, VA, *RVs . . . The Family Camping Vehicle, A Year-End Report/1986.* Data also in Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *Motor Vehicle Facts and Figures,* annual.

No. 1017. Motorcycles—Travel, Registration, and Fuel Consumption: 1970 to 1986

YEAR	Travel (mil. veh. miles)	Number of registered vehicles (1,000)	Average travel per vehicle (miles)	FUEL CONSUMPTION		Average miles per gallon consumed
				Total (mil. gal.)	Average per vehicle (gal.)	
1970	2,979	2,824	1,055	59.6	21	50
1975	5,629	4,964	1,134	112.6	23	50
1977	6,349	4,933	1,287	127.0	26	50
1978	7,158	4,868	1,470	143.2	29	50
1979	8,637	5,422	1,593	172.7	32	50
1980	10,214	5,694	1,794	204.3	36	50
1981	10,690	5,831	1,833	213.8	37	50
1982	9,910	5,754	1,722	198.2	34	50
1983	8,760	5,585	1,568	175.2	31	50
1984	8,784	5,480	1,603	175.7	32	50
1985	9,086	5,444	1,669	181.7	33	50
1986	9,414	5,262	1,789	188.3	36	50

Source: U.S. Federal Highway Administration, *Highway Statistics Summary to 1985* and *Highway Statistics,* annual.

No. 1018. Motor Vehicle Accidents—Number and Deaths: 1970 to 1987

[See also *Historical Statistics, Colonial Times to 1970*, series Q 208 and Q 224-232]

ITEM	Unit	1970	1972 [1]	1975	1980	1982	1983	1984	1985	1986	1987
Motor vehicle accidents [2]	Million	16.0	17.0	16.5	17.9	18.1	18.3	18.8	19.3	17.7	(NA)
Cars	Million	23.5	24.5	22.5	22.8	23.2	23.5	25.2	25.6	27.7	(NA)
Trucks	Million	3.2	3.5	3.8	5.5	5.8	5.8	6.3	6.1	6.1	(NA)
Motorcycles	1,000	305	343	372	560	550	530	570	480	440	(NA)
Motor vehicle deaths within 1 yr.[3]	1,000	54.6	56.3	45.9	53.2	45.8	44.4	46.2	45.9	48.3	48.8
Noncollision accidents	1,000	15.4	15.8	12.7	14.7	12.6	12.2	12.6	12.9	13.9	13.5
Collision accidents:											
With other motor vehicles	1,000	23.2	23.9	19.5	23.0	19.8	19.2	20.3	19.9	20.5	20.8
With pedestrians	1,000	9.9	10.3	8.4	9.7	8.4	8.2	8.6	8.4	8.3	8.6
With fixed objects	1,000	3.8	3.9	3.1	3.7	3.2	3.1	3.0	2.7	3.3	3.8
Deaths within 30 days [4]	1,000	52.6	54.6	44.5	51.1	43.9	42.6	44.3	43.8	46.1	46.4
Vehicle occupants	1,000	40.6	41.4	32.8	36.8	31.2	30.6	31.9	31.5	33.7	34.5
Pedestrians	1,000	9.0	9.2	7.5	8.1	7.3	6.8	7.0	6.8	6.8	6.7
Motorcyclists [5]	1,000	2.3	3.0	3.2	5.1	4.5	4.3	4.6	4.6	4.6	4.0
Bicyclists	1,000	.8	1.0	1.0	1.0	.9	.8	.8	.9	.9	.9
Traffic death rates: [4] [6]											
Per 100,000 resident population	Rate	25.8	26.2	20.7	22.6	19.0	18.2	18.7	18.4	19.1	19.1
Per 100,000 registered vehicles	Rate	47.3	44.5	32.3	31.6	26.6	25.1	25.7	24.8	25.4	24.9
Per 100 million vehicle miles	Rate	4.7	4.3	3.4	3.3	2.8	2.6	2.6	2.5	2.5	2.4
Per 100,000 licensed drivers	Rate	47.2	46.1	34.3	35.2	29.2	27.6	28.5	27.9	28.9	28.6
Motor vehicle accidents [7]	Million	22.1	24.9	24.9	24.1	28.5	29.4	30.9	32.5	33.3	33.0
Injuries [7]	1,000	4,983	5,190	4,978	5,230	4,490	4,665	4,850	5,044	5,300	5,400
Economic loss [7] [8]	Bil. dol	23.5	28.7	36.1	57.1	60.2	62.7	69.0	76.0	80.0	85.0

NA Not available. [1] Represents peak year for deaths from motor vehicle accidents. [2] Covers only accidents occurring on the road. [3] Deaths that occur within one year of accident. Includes collision categories not shown separately. [4] Within 30 days of accident. Source: U.S. National Highway Traffic Safety Administration, unpublished data from Fatal Accident Reporting System. [5] Includes motor scooters and motorized bicycles (mopeds). [6] Based on 30-day definition of traffic deaths. [7] Source: Insurance Information Institute, New York, NY, *Insurance Facts*. Estimates based on official reports from a representative cross-section of States. Includes all motor vehicle accidents on and off the road and all injuries regardless of length of disability. 1986 data for economic loss based on information from the National Center for Health Statistics, National Health Survey. [8] Wage loss; legal, medical, hospital, and funeral expenses; insurance administrative costs; and property damage.

Source: Except as noted, National Safety Council, Chicago, IL, *Accident Facts*, annual. (Copyright.)

No. 1019. Deaths From Motor Vehicle Accidents, by State: 1970 to 1986

[Data differ from table 1018 because data are based on date of death, not date of accident. Data reflect State where death occurred. Includes deaths of nonresidents of U.S. Beginning 1980, deaths classified according to the ninth revision of the *International Classification of Diseases*, for earlier years classified according to the revision in use at the time; see text, section 2. Data based on Vital Registration System, see Appendix III. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	1970	1972 [1]	1975	1980	1985	1986
U.S	**54,845**	**56,528**	**46,032**	**53,476**	**46,159**	**48,140**
Region:						
Northeast	8,850	8,992	7,431	8,256	6,797	7,090
Midwest	14,629	14,670	11,293	12,244	9,760	10,115
South	20,792	21,964	18,029	21,014	19,250	20,189
West	10,574	10,902	9,279	11,963	10,352	10,746
N.E	**2,095**	**2,180**	**1,953**	**2,246**	**1,873**	**1,880**
ME	288	252	235	264	224	218
NH	182	172	155	192	198	181
VT	116	126	124	131	117	105
MA	918	1,042	895	933	761	773
RI	143	144	140	142	124	155
CT	448	444	404	584	449	448
M.A	**6,755**	**6,812**	**5,478**	**6,009**	**4,924**	**5,210**
NY	3,117	3,140	2,277	2,717	2,121	2,183
NJ	1,289	1,352	1,099	1,130	986	1,059
PA	2,349	2,320	2,102	2,162	1,817	1,968
E.N.C	**9,623**	**9,514**	**7,361**	**8,000**	**6,602**	**6,754**
OH	2,488	2,336	1,652	1,976	1,581	1,609
IN	1,587	1,578	1,139	1,213	1,045	1,077
IL	2,267	2,216	1,816	1,985	1,594	1,633
MI	2,172	2,236	1,811	1,817	1,605	1,666
WI	1,109	1,148	943	1,009	777	769
W.N.C	**5,006**	**5,156**	**3,932**	**4,244**	**3,158**	**3,361**
MN	1,028	1,052	798	900	657	608
IA	946	904	714	662	478	446
MO	1,479	1,500	1,105	1,239	1,005	1,205
ND	194	206	183	184	117	120
SD	240	312	216	238	142	152
NE	435	504	385	406	259	311
KS	684	678	531	615	500	519

DIVISION AND STATE	1970	1972 [1]	1975	1980	1985	198
S.A	**9,796**	**10,600**	**8,358**	**9,767**	**9,389**	**9,9**
DE	158	130	129	164	119	16
MD	809	852	686	822	766	79
DC	140	100	91	79	96	8
VA	1,251	1,256	1,069	1,111	1,021	1,14
WV	561	578	499	583	461	47
NC	1,801	2,026	1,560	1,588	1,553	1,72
SC	1,070	1,148	837	895	943	1,07
GA	1,825	1,940	1,420	1,558	1,462	1,50
FL	2,181	2,570	2,067	2,967	2,968	2,92
E.S.C	**4,850**	**4,972**	**3,881**	**3,995**	**3,664**	**4,18**
KY	1,081	1,114	885	865	749	82
TN	1,525	1,526	1,280	1,280	1,219	1,37
AL	1,297	1,356	1,087	1,054	1,005	1,18
MS	947	976	629	796	691	76
W.S.C	**6,146**	**6,392**	**5,790**	**7,252**	**6,197**	**6,03**
AR	595	750	577	607	580	62
LA	1,194	1,136	993	1,261	1,011	95
OK	787	792	748	1,006	781	72
TX	3,570	3,714	3,472	4,378	3,825	3,70
Mt	**3,549**	**3,764**	**3,206**	**4,071**	**3,409**	**3,5**
MT	340	408	294	339	233	24
ID	320	324	291	345	268	27
WY	210	196	210	246	145	10
CO	697	746	621	783	628	6
NM	568	588	556	617	561	5
AZ	782	856	713	983	942	1,0
UT	354	354	285	370	335	3
NV	278	290	236	388	297	2
Pac	**7,025**	**7,138**	**6,073**	**7,892**	**6,943**	**7,1**
WA	902	836	804	1,048	786	7
OR	739	774	582	698	605	6
CA	5,114	5,300	4,414	5,860	5,294	5,5
AK	107	64	120	91	124	
HI	163	164	153	195	134	1

[1] Represents peak year for deaths from motor vehicle accidents.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 1020. FATAL MOTOR-VEHICLE ACCIDENTS—NUMBER OF ACCIDENTS AND FATALITIES, BY TYPE OF VEHICLE: 1980 TO 1986

[Based on data from the Fatal Accident Reporting System]

TYPE OF VEHICLE	ACCIDENTS [1]						OCCUPANT FATALITIES					
	1980	1982	1983	1984	1985	1986	1980	1982	1983	1984	1985	1986
Total [2]	**45,284**	**39,092**	**37,976**	**39,631**	**39,195**	**41,090**	**41,927**	**35,646**	**34,843**	**36,284**	**36,043**	**38,229**
Passenger cars [3]	31,550	27,548	26,696	27,745	27,142	28,752	27,449	23,330	22,979	23,621	23,214	24,947
Mini-compact	3,263	3,559	3,753	4,001	3,973	4,346	2,966	3,194	3,278	3,470	3,429	3,647
Subcompact	4,875	4,649	4,884	5,275	5,445	6,006	4,158	3,881	4,000	4,346	4,422	4,770
Compact	1,118	1,565	1,936	2,670	3,445	4,374	927	1,210	1,499	2,061	2,635	3,312
Intermediate	5,224	5,305	5,352	5,976	6,064	6,555	3,878	3,919	3,965	4,287	4,391	4,763
Full size	7,026	5,691	5,361	5,199	4,906	5,094	4,831	3,651	3,489	3,269	2,974	3,191
Largest size	10,817	8,343	7,524	7,334	6,452	6,339	6,746	4,779	4,470	4,160	3,612	3,662
Unknown	5,134	3,863	3,264	2,905	2,699	2,053	3,943	2,696	2,258	2,008	1,751	1,602
Motorcycles	4,879	4,201	4,045	4,378	4,342	4,209	4,961	4,270	4,104	4,431	4,417	4,309
Moped, mini bike	180	177	156	172	151	250	183	183	161	177	147	257
Light trucks [2]	10,841	9,597	9,347	10,255	10,470	11,179	6,566	5,590	5,395	5,773	5,834	6,390
Pickup	8,796	7,842	7,696	8,285	8,375	8,526	5,463	4,677	4,579	4,873	4,886	5,090
Van	2,009	1,722	1,615	1,737	1,807	1,952	1,000	814	712	764	791	879
Medium trucks	1,076	666	672	680	654	661	285	154	172	153	157	145
Heavy trucks [2]	4,036	3,754	3,968	4,185	4,217	4,171	976	789	807	920	814	781
Single-unit [4]	377	283	323	271	370	305	89	52	60	83	48	42
Two-unit [5]	3,396	3,072	3,144	3,359	3,411	3,351	612	683	646	758	692	689
Multi-unit	148	129	168	188	182	179	41	25	36	37	31	50
Buses	329	288	305	302	304	282	46	35	53	45	55	39

[1] Each accident involving multiple types of vehicles is recorded in each category; therefore, the aggregate of all types will exceed the total number of accidents. [2] Includes other types and unknown, not shown separately. [3] Mini-compact wheel base less than 95 in.; subcompact, 95 in. to 99 in.; compact, 100 in. to 104 in.; intermediate, 105 in. to 109 in.; full size, 110–114 in.; and largest size greater than 115 in. [4] Gross vehicle weight greater than 26,000 lbs. [5] Tractor-trailer combination.

Source: U.S. National Highway Traffic Safety Administration, *Fatal Accident Reporting System*, annual.

No. 1021. HIGHWAY MILEAGE, VEHICLE MILES OF TRAVEL, ACCIDENTS, AND FATALITIES, 1975 TO 1986, AND BY TYPE OF HIGHWAY SYSTEM, 1986

YEAR AND TYPE OF SYSTEM	Highway mileage (1,000)	Vehicle miles of travel (bil.)	Daily vehicle miles per mile	FATAL ACCIDENTS		NONFATAL INJURY ACCIDENTS		FATALITIES [2]	
				Number	Rate [1]	Number (1,000)	Rate [1]	Number	Rate [1]
1975, total	3,838	1,328	948	39,993	3.01	1,861	140	45,500	3.43
1980, total	3,857	1,527	1,082	45,284	2.96	2,008	131	51,091	3.35
1982, total	3,866	1,595	1,130	39,092	2.45	1,966	123	43,945	2.76
1983, total	3,880	1,653	1,167	37,976	2.30	2,005	121	42,589	2.58
1984, total	3,892	1,720	1,208	39,631	2.30	2,137	124	44,257	2.57
1985, total	3,862	1,774	1,259	39,168	2.21	2,219	125	43,795	2.47
1986, total	**3,880**	**1,838**	**1,298**	**41,062**	**2.23**	**2,254**	**123**	**46,056**	**2.51**
Urban	702	1,088	4,250	18,740	1.72	1,577	145	20,307	1.87
Rural	3,178	750	647	22,322	2.98	677	90	25,749	3.43
Interstate	44	391	24,411	3,716	.95	144	37	4,251	1.09
Urban	11	231	57,266	1,908	.83	107	46	2,139	.93
Rural	33	160	13,327	1,808	1.13	37	23	2,112	1.32
Noninterstate	3,836	1,447	1,034	37,346	2.58	2,110	146	41,805	2.89
Urban	691	857	3,401	16,832	1.96	1,470	172	18,168	2.12
Rural	3,145	590	514	20,514	3.47	640	108	23,637	4.00
Federal-aid highway system, total	847	1,483	4,795	30,757	2.07	1,498	101	34,794	2.35
Urban	190	880	12,678	14,565	1.66	1,102	125	15,858	1.80
Rural	657	603	2,514	16,192	2.69	396	66	18,936	3.14
Interstate	44	391	24,411	3,716	.95	144	37	4,251	1.09
Other primary arterial	259	537	5,677	12,584	2.34	512	95	14,579	2.71
Urban	33	251	20,891	4,014	1.60	317	126	4,408	1.75
Rural	226	286	3,461	8,570	3.00	195	68	10,171	3.56
Urban (arterial and collector)	146	398	7,450	8,643	2.18	677	170	9,311	2.34
Secondary (collector)	398	157	1,083	5,814	3.69	165	105	6,653	4.23
Non-Federal-aid highway system, total	3,032	355	321	10,305	2.90	756	213	11,262	3.17
Urban	511	208	1,116	4,175	2.01	476	229	4,449	2.14
Rural	2,521	147	160	6,130	4.16	280	190	6,813	4.63
Collector	349	70	553	2,061	2.92	101	143	2,301	3.26
Urban	19	19	2,799	309	1.57	20	102	332	1.68
Rural	330	51	422	1,752	3.45	81	159	1,969	3.88
Local	2,672	257	263	7,742	3.01	634	247	8,391	3.27
Urban	483	165	932	3,466	2.11	437	266	3,680	2.24
Rural	2,189	92	116	4,276	4.63	197	214	4,711	5.10

[1] Rate per 100 million vehicle miles of travel. [2] Represents fatalities occurring within 30 days of accident. Excludes nontraffic accidents which, for example, occur outside the rights-of-way or other boundaries of roads that are open for public use.

Source: U.S. Federal Highway Administration, *Fatal and Injury Accident Rates on Public Roads in the United States*, annual.

No. 1022. Motor Vehicle Safety Defect Recalls, by Domestic and Foreign Manufacturers: 1975 to 1987

[Covers manufacturers reporting to U.S. National Highway Traffic Administration under section 151 of National Traffic and Motor Vehicle Safety Act of 1966, as amended]

MANUFACTURER	Unit	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Motor vehicles:												
Total recall campaigns [1]	**Number**	**217**	**271**	**275**	**167**	**156**	**135**	**140**	**164**	**173**	**174**	**199**
Domestic	Number	190	199	218	129	128	107	110	127	137	139	150
Foreign	Number	27	72	57	38	28	28	30	37	36	35	49
Total vehicles recalled	**1,000**	**2,109**	**9,063**	**8,919**	**4,863**	**9,405**	**1,914**	**6,114**	**7,220**	**5,629**	**2,880**	**9,091**
Domestic	1,000	[illegible]	7,921	6,997	3,939	7,379	1,401	3,090	6,283	4,995	1,731	7,297
Vehicles recalled by 4 leading auto manufacturers	1,000	1,602	7,670	6,989	3,730	7,247	1,324	3,021	6,148	4,611	1,382	6,944
Foreign	1,000	280	1,141	1,922	924	2,026	513	3,024	937	634	1,149	1,793
Motor vehicle tires:												
Recall campaigns [1]	Number	22	31	42	24	25	17	21	16	19	14	18
Tires recalled	1,000	72	14,686	235	7,070	125	131	95	81	28	164	43

[1] A recall campaign is the notification to the Secretary of the U.S. Dept. of Transportation and to owners, purchasers, and dealers, of a motor vehicle safety defect.

Source: U.S. National Highway Traffic Safety Administration, *Motor Vehicles Defect Recall Campaigns*, annual.

No. 1023. Licensed Drivers and Estimated Arrests for Driving Under the Influence, by Age: 1975 and 1986

[**Total drivers and arrests in thousands.** Represents licensed drivers and arrests for those 16 years old and over]

AGE	1975			1986			Percent change in rate, 1975-86
	Drivers	Arrests	Arrests per 100,000 drivers	Drivers	Arrests	Arrests per 100,000 drivers	
Total	**129,671**	**946**	**729**	**158,494**	**1,792**	**1,130**	**55**
Percent distribution	100.0	100.0	(X)	100.0	100.0	(X)	(X)
16-17 years old	3.7	1.8	352	2.6	1.5	647	84
18-24 years old	18.9	25.3	979	15.7	28.8	2,075	112
25-29 years old	12.9	15.0	847	13.0	22.0	1,909	125
30-34 years old	10.3	12.2	867	12.2	15.8	1,471	70
35-39 years old	8.5	10.6	909	10.9	11.1	1,158	27
40-44 years old	7.9	9.8	904	8.5	7.2	968	7
45-49 years old	8.0	6.9	812	6.9	4.9	805	-1
50-54 years old	7.9	7.3	675	6.3	3.4	609	-10
55-59 years old	6.8	4.6	490	6.3	2.4	434	-11
60-64 years old	5.7	2.7	347	5.9	1.6	299	-14
65 years old and over	9.5	1.8	141	11.9	1.2	118	-16

X Not applicable.

Source: U.S. Bureau of Justice Statistics, *Drunk Driving, Special Report*.

No. 1024. Licensed Drivers, Fatal Motor-Vehicle Accidents, and Alcohol Involvement, by Age of Driver: 1987

ITEM	Unit	Total	AGE OF DRIVER							
			16-17 years	18-21 years	22-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 years and over
Licensed drivers (estimated) [1]	1,000	161,975	4,202	12,400	11,583	40,738	32,369	21,367	19,339	19,980
Percent distribution	Percent	100.0	2.6	7.7	7.2	25.2	20.0	13.2	11.9	12.3
Licensed drivers involved in fatal accidents	Number	[2] 61,434	3,326	8,874	6,513	16,554	9,774	5,472	4,221	5,078
Percent distribution	Percent	[2] 100.0	5.4	14.4	10.6	26.9	15.9	8.9	6.9	8.3
Drinking drivers involved in fatal accidents	Number	[2] 20,384	798	3,534	2,966	6,889	3,067	1,225	767	511
Percent distribution	Percent	[2] 100.0	3.9	17.3	14.6	33.8	15.0	6.0	3.8	2.5

[1] Source: U.S. Federal Highway Administration, *Selected Highway Statistics and Charts*, annual. [2] Includes ages unknown and less than 16 years old.

Source: Except as noted, U.S. National Highway Traffic Safety Administration, unpublished data from the Fatal Accident Reporting System.

NO. 1025. MOTOR VEHICLE TRAVEL, BY TYPE OF VEHICLE; AND SPEED: 1970 TO 1986

[**Travel in billions of vehicle-miles, except as indicated.** Travel estimates based on automatic traffic recorder data. Speed trend data for 1970-1975 were collected by several State highway agencies, normally during summer months; beginning Oct. 1975 all States have monitored speeds at locations on several highway systems as part of 55 mile per hour Speed Limit Monitoring Program. See also *Historical Statistics, Colonial Times to 1970*, series Q 199-207]

YEAR	VEHICLE-MILES OF TRAVEL (bil.)				AVG. MILES PER VEHICLE (1,000)			MOTOR VEHICLE SPEED [2]				
	Total	Cars [1]	Buses	Trucks	Passenger vehicles: Cars [1]	Passenger vehicles: Buses	Trucks	Vehicles recorded (1,000) [3]	Avg. speed (miles per hour)	Percent of vehicles exceeding— 55 m.p.h.	60 m.p.h.	65 m.p.h.
1970	1,110	920	4.5	186	10.0	12.0	9.9	200	63.8	87	69	44
1974	1,281	1,013	5.7	262	9.2	12.7	10.6	203	57.6	65	29	9
1975	1,328	1,040	6.1	282	9.3	13.1	10.9	102	57.6	68	27	7
1976	1,402	1,084	6.3	312	9.4	13.1	11.2	515	58.2	69	32	10
1977	1,467	1,116	5.8	346	9.5	11.9	11.8	500	58.8	74	35	10
1978	1,545	1,154	5.9	385	9.5	11.6	12.3	468	58.8	74	36	10
1979	1,529	1,122	5.9	401	9.1	11.3	12.2	506	58.3	72	32	9
1980	1,527	1,122	6.1	399	8.8	11.5	11.9	667	57.5	66	25	7
1981	1,553	1,142	6.2	405	8.9	11.5	11.7	3,048	57.9	68	30	9
1982	1,595	1,176	5.8	413	9.1	10.4	11.7	4,895	59.0	73	40	14
1983	1,653	1,207	5.2	441	9.1	8.9	12.0	7,856	59.1	74	41	15
1984	1,720	1,234	4.6	482	9.2	8.0	12.8	8,067	59.3	75	43	16
1985	1,774	1,270	4.9	500	9.2	8.2	12.7	8,449	59.5	75	44	17
1986	1,838	1,313	5.1	520	9.3	8.6	13.0	8,549	59.7	76	46	18

[1] Includes motorcycles. [2] Represents speed on rural interstate highways. For 1970-1979, based on free flow speed of vehicles recorded on level, straight sections of rural interstate highways during off-peak hours; beginning 1980, based on all vehicles on rural interstate highways. Beginning 1976, for year ending Sept. 30. [3] Citations issued for 55 mph violations.

NO. 1026. DOMESTIC MOTOR FUEL CONSUMPTION, BY TYPE OF VEHICLE: 1970 TO 1986

[Comprises all fuels (gas, diesel, or other fuels) used for propulsion of vehicles under State motor fuels laws. Excludes Federal purchases for military use. Minus sign (−) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series Q 156-162]

YEAR	FUEL CONSUMPTION					AVERAGE FUEL CONSUMPTION PER VEHICLE (gal.)				AVERAGE MILEAGE PER GALLON			
	All vehicles (bil. gal.)	Avg. annual percent change [1]	Cars [2] (bil. gal.)	Buses [3] (bil gal.)	Trucks [4] (bil. gal.)	All vehicles	Cars [2]	Buses [3]	Trucks [4]	All vehicles	Cars [2]	Buses [3]	Trucks [4]
1970	92.3	5.4	67.8	.8	23.6	830	760	2,172	1,257	12.02	13.52	5.54	7.85
1973	110.5	6.2	78.7	1.0	30.7	850	771	2,326	1,321	11.89	13.30	5.86	8.34
1974	106.3	−3.8	75.1	1.0	30.1	788	716	2,159	1,224	12.05	13.42	5.89	8.70
1975	109.0	2.5	76.4	1.1	31.4	790	716	2,279	1,217	12.18	13.52	5.75	8.99
1976	115.7	6.2	79.7	1.0	34.8	806	723	2,188	1,250	12.12	13.53	5.98	8.95
1977	119.6	3.4	80.4	1.0	38.1	814	716	1,984	1,301	12.26	13.80	5.98	9.06
1978	125.1	4.5	81.7	1.0	42.3	816	701	1,957	1,349	12.35	14.04	5.95	9.11
1979	122.1	−2.4	77.3	1.0	43.6	776	653	1,891	1,326	12.52	14.41	5.97	9.19
1980	115.0	−5.9	71.9	1.0	41.9	712	591	1,926	1,243	13.29	15.46	5.95	9.54
1981	114.5	−.4	71.0	1.1	42.2	697	576	1,938	1,219	13.57	15.94	5.92	9.59
1982	113.4	−.9	70.1	1.0	42.1	686	566	1,756	1,191	14.07	16.65	5.93	9.80
1983	116.1	2.4	69.9	.9	45.1	686	553	1,507	1,229	14.24	17.14	5.92	9.77
1984	118.7	2.3	68.7	.8	49.0	691	536	1,359	1,308	14.49	17.83	5.85	9.83
1985	121.3	2.2	69.3	.8	51.0	685	525	1,407	1,302	14.62	18.20	5.84	9.79
1986	125.2	3.2	71.2	.9	52.9	690	525	1,500	1,318	14.68	18.32	5.71	9.83

[1] From prior year shown. For 1970, change from 1965. [2] Includes taxicabs. [3] Includes school buses.
[4] Includes combinations.

Source of tables 1025 and 1026: U.S. Federal Highway Administration, *Highway Statistics Summary to 1985*, and *Highway Statistics*, annual.

NO. 1027. DOMESTIC MOTOR GASOLINE SUPPLY: 1974 TO 1987

[In 1,000 barrels per day, except as noted]

YEAR	SUPPLY [1]			Production	Net imports	Stocks [2] (mil. bbls.)
	Total	Unleaded: Total	Unleaded: Percent			
1974, avg	6,537	(NA)	(NA)	6,360	202	218
1975, avg	6,675	(NA)	(NA)	6,520	182	235
1976, avg	6,978	1,508	21.6	6,841	128	231
1977, avg	7,177	1,976	27.5	7,033	215	258
1978, avg	7,412	2,521	34.0	7,169	189	238
1979, avg	7,034	2,798	39.8	6,852	181	237
1980, avg	6,579	3,067	46.6	6,506	139	261
1981, avg	6,588	3,264	49.5	6,405	155	253
1982, avg	6,539	3,409	52.1	6,338	177	235
1983, avg	6,622	3,647	55.1	6,340	237	222
1984, avg	6,693	3,987	59.6	6,453	293	243
1985, avg	6,831	4,406	64.5	6,419	371	223
1986, avg	7,034	4,854	69.0	6,752	293	233
1987, avg	7,206	5,470	75.9	6,841	349	226

NA Not available. [1] Production plus net imports less net increase in primary stocks. [2] End of year, includes motor gasoline blending components.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, April 1988.

No. 1028. Household Vehicles: Annual Mileage, Fuel Consumption, and Fuel Expenditu
1985

[See headnote, table 1029]

HOUSEHOLD AND VEHICLE CHARACTERISTICS	NUMBER OF—			MILES DRIVEN		GALLONS CONSUMED		EXPENDITU
	Households (millions)	Vehicles (millions)	Vehicles per household	Total (billion)	Percent	Total (billion)	Percent	Total (bil. dol.)
Total	**77.7**	**137.3**	**1.8**	**1,353**	**100.0**	**83.9**	**100.0**	**99.1**
Metropolitan status:								
Metropolitan	59.0	103.0	1.7	1,029	76.1	62.6	74.6	73.8
Central city	25.5	41.0	1.6	383	28.3	23.9	28.5	28.3
Outside central city	33.6	62.0	1.8	646	47.8	38.7	46.1	45.6
Nonmetropolitan	18.7	34.3	1.8	324	23.9	21.3	25.4	25.2
Origin of householder: White	68.1	122.3	1.8	1,204	89.0	74.3	88.5	87.7
Black	7.2	11.0	1.5	112	8.3	7.4	8.9	8.8
Hispanic descent: Yes	3.5	6.0	1.7	58	4.3	3.6	4.3	4.3
No	74.3	131.3	1.8	1,295	95.7	80.3	95.7	94.8
Household size: 1 person	15.9	19.0	1.2	162	12.0	10.0	11.9	11.8
2 persons	24.5	41.3	1.7	386	28.6	23.5	28.0	27.8
3 persons	14.6	29.0	2.0	293	21.7	18.2	21.7	21.5
4 persons	12.9	26.6	2.1	281	20.8	17.8	21.3	21.0
5 or more persons	9.9	21.3	2.2	230	17.0	14.4	17.1	16.9
Family income 1985:								
Less than $5,000	3.7	4.4	1.2	34	2.5	2.4	2.8	2.8
$5,000–$9,999	9.7	12.5	1.3	98	7.2	6.7	8.0	7.8
$10,000–$14,999	10.7	15.8	1.5	149	11.0	9.8	11.7	11.5
$15,000–$19,999	9.7	15.8	1.6	141	10.4	9.0	10.7	10.5
$20,000–$24,999	9.5	16.9	1.8	165	12.2	10.4	12.3	12.2
$25,000–$34,999	14.7	28.2	1.9	289	21.4	17.8	21.3	21.0
$35,000 or more	19.8	43.7	2.2	477	35.2	27.9	33.2	33.3
Number of drivers (fall 1984): 1	24.7	29.6	1.2	257	19.0	16.1	19.1	19.0
2	39.1	73.1	1.9	730	53.9	45.3	54.0	53.5
3 or more	12.5	32.9	2.6	352	26.0	21.7	25.9	25.7
Type of fuel: Leaded	(x)	42.0	(x)	332	24.5	24.5	29.2	27.3
Unleaded	(x)	92.8	(x)	990	73.2	57.8	68.9	69.9
Type of vehicle: Automobile	(x)	106.6	(x)	1,059	78.3	61.7	73.5	73.4
Jeep-like vehicle	(x)	3.7	(x)	39	2.9	3.1	3.6	3.6
Van	(x)	4.7	(x)	49	3.6	3.7	4.4	4.3
Pickup truck	(x)	21.2	(x)	199	14.7	14.7	17.5	16.9
Number of cylinders: 4	(x)	39.9	(x)	445	32.9	19.6	23.4	23.5
6	(x)	35.6	(x)	362	26.8	22.7	27.0	26.9
8	(x)	61.0	(x)	536	39.6	41.1	49.0	48.1
Air conditioning: Yes	(x)	86.3	(x)	885	65.4	55.2	65.8	65.6
No	(x)	51.0	(x)	468	34.6	28.7	34.2	33.5
Type of transmission:								
Automatic	(x)	99.0	(x)	954	70.5	63.2	75.4	74.7
Manual	(x)	38.3	(x)	399	29.5	20.7	24.6	24.4
Vehicle used on the job: Yes	(x)	17.3	(x)	203	15.0	12.6	15.0	15.0
No	(x)	120.0	(x)	1,150	85.0	71.3	85.0	84.0

X Not applicable.

No. 1029. Household Motor Vehicle Transportation, by Vehicle Model Year: 1985

[Preliminary. Household vehicles include all motorized vehicles used for personal transportation, excluding motorcycles, mo large trucks, and buses. The reporting unit for 1985 is all households which owned a vehicle at any time during 1985. Bas the Residential Transportation Energy Consumption Survey; subject to sampling variability]

HOUSEHOLD CHARACTERISTICS	Households with motor vehicles (mil.)	VEHICLES (millions)					MILES PER GALLON			
		Total	Model year				Average	Model year		
			1973 and earlier	1974 to 1978	1979 to 1982	1983 and later		1973 and earlier	1974 to 1978	1979 to 1982
Total	**77.7**	**137.3**	**26.9**	**43.3**	**37.8**	**28.7**	**16.1**	**13.4**	**13.8**	**17.9**
Northeast	15.0	24.8	3.0	8.1	7.6	6.1	17.0	13.6	14.0	18.8
Midwest	19.5	34.1	6.4	11.4	9.0	7.0	15.6	12.6	13.2	17.6
South	27.0	48.5	9.2	15.0	13.8	10.5	15.8	12.9	13.5	17.4
West	16.1	29.8	8.3	8.9	7.3	5.1	16.5	14.4	15.0	18.3
Family income in 1985:										
Less than $5,000	3.7	4.4	1.4	1.7	.7	.6	14.2	12.5	13.7	17.5
$5,000–$9,999	9.7	12.5	4.3	4.4	2.4	1.4	14.6	13.3	12.7	16.8
$10,000–$14,999	10.7	15.8	4.4	5.8	3.8	1.8	15.2	13.4	13.8	17.5
$15,000–$19,999	9.7	15.8	3.5	5.7	3.9	2.6	15.7	12.9	13.4	18.1
$20,000–$24,999	9.5	16.9	3.1	5.5	4.7	3.4	16.0	13.3	14.0	17.9
$25,000–$34,999	14.7	28.2	4.5	9.2	8.5	5.9	16.2	13.2	14.0	18.2
$35,000 or more	19.8	43.7	5.7	11.0	13.7	13.1	17.1	13.9	14.3	17.9

Source of tables 1028 and 1029: U.S. Energy Information Administration, *Residential Transportation Energy Consum Survey: Consumption Patterns of Household Vehicles*, 1985.

No. 1030. Cost of Owning and Operating an Automobile: 1975 to 1987

ITEM	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Cost per mile [1]	Cents	18.31	20.19	19.57	23.97	27.95	31.92	32.35	33.42	31.32	27.20	29.59	32.64
Cost per 10,000 miles [1]	Dollars	1,831	2,019	1,957	2,397	2,795	3,192	3,235	3,342	3,132	2,720	2,959	3,264
Variable cost	Cents/mile	6.45	5.80	5.65	5.86	7.62	8.17	8.37	8.36	7.86	8.04	6.52	7.20
Gas and oil	Cents/mile	4.82	4.11	3.89	4.11	5.86	6.27	6.74	6.64	6.19	6.16	4.48	4.80
Maintenance	Cents/mile	.97	1.03	1.10	1.10	1.12	1.18	1.00	1.04	1.04	1.23	1.37	1.60
Tires	Cents/mile	.66	.66	.66	.65	.64	.72	.63	.68	.63	.65	.67	.80
Fixed cost	Dollars	1,186	1,439	1,392	1,811	2,033	2,375	2,398	2,506	2,346	2,441	2,596	2,782
Insurance:													
Fire and theft [2]	Dollars	53	80	57	74	70	76	53	80	80	92	86	87
Collision [3]	Dollars	141	188	138	168	172	180	153	201	200	198	191	196
Property damage [4] and liability	Dollars	189	250	229	241	248	254	243	222	225	213	232	252
License and registration	Dollars	30	74	74	90	82	88	54	102	106	115	130	140
Depreciation	Dollars	773	847	894	942	1,038	1,287	1,356	1,343	1,207	1,253	1,320	1,506
Finance charge	Dollars	(NA)	(NA)	(NA)	296	423	490	539	558	528	570	637	601
Average fixed cost per day	Dollars	3.25	3.94	3.81	4.96	5.57	6.51	6.57	6.87	6.43	6.69	7.11	7.62

NA Not available. [1] Beginning 1985, not comparable to previous data. [2] $50 deductible 1975 and 1977, and $100 deductible 1978 through 1987. [3] $100 deductible 1975 and 1977, and $250 deductible 1978 through 1987. [4] Coverage: $100,000/$300,000.

Source: Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual.

No. 1031. Passenger Transit Industry—Summary: 1970 to 1987

[Includes Puerto Rico. Comprises all privately and publicly owned organized local passenger transportation agencies except taxicabs and sightseeing and school buses. Covers (*a*) local motorbus systems, (*b*) light rail systems, (*c*) heavy rail systems, (*d*) trolley coach systems, and (*e*) automated guideway, inclined plane, cable car, and aerial tramway systems. Beginning 1984, data also include suburban railroads, urban ferry boats, rural fixed-route non-intercity motorbus systems, vanpools and demand response systems. Thus, all data are non-continuous between 1983 and 1984. Based on financial and statistical reports received by American Public Transit Association from transit systems representing more than 85 percent of the industry. See also *Historical Statistics, Colonial Times to 1970*, series Q 238–250]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986, prel.	1987, prel.
Operating systems	**Number**	**1,079**	**947**	**1,044**	**1,035**	**1,036**	**1,036**	**4,938**	**4,973**	**5,019**	**5,048**
Motorbus systems [1]	Number	1,075	941	1,040	1,030	1,031	1,031	2,604	2,632	2,654	2,672
Publicly owned systems [1]	Number	144	333	576	578	561	599	(NA)	1,435	(NA)	(NA)
Passenger vehicles owned [2]	**Number**	**61,428**	**62,261**	**71,018**	**72,098**	**73,838**	**73,813**	**95,603**	**88,691**	**91,218**	**91,115**
Motorbuses [2]	Number	49,700	50,811	59,411	60,393	62,114	62,093	63,497	57,285	58,000	57,687
Heavy rail [2]	Number	9,286	9,556	9,641	9,749	9,815	9,891	9,083	9,326	10,386	10,168
Other electric [2] [3]	Number	2,442	1,894	1,966	1,956	1,909	1,829	1,527	1,623	1,519	1,581
Suburban rail	Number	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	4,075	4,035	4,440	4,656
All other	Number	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	17,421	16,422	16,873	17,023
Total revenue	**Mil. dol**	(NA)	**3,451**	**6,510**	**7,366**	**8,044**	**8,526**	**11,623**	**12,195**	**13,147**	**13,968**
Passenger revenue	Mil. dol	1,639	1,861	2,557	2,701	3,077	3,172	4,448	4,575	5,011	5,156
Other operating revenue [4]	Mil. dol	68	183	248	344	380	333	780	702	743	771
Operating assistance	Mil. dol	(NA)	1,408	3,705	4,321	4,587	5,023	6,395	6,918	7,393	8,041
Federal	Mil. dol	(NA)	302	1,094	1,095	1,005	827	996	940	912	894
State and local	Mil. dol	(NA)	1,106	2,611	3,226	3,582	4,195	5,399	5,978	6,481	7,147
Total expense	**Mil. dol**	**1,996**	**3,752**	**6,711**	**7,623**	**8,314**	**8,736**	**12,957**	**14,077**	**15,080**	**15,997**
Operating expense	Mil. dol	(NA)	3,537	6,246	7,024	7,553	7,956	11,574	12,381	13,353	13,967
Transportation	Mil. dol	(NA)	1,877	3,248	3,596	3,882	3,931	5,142	5,655	6,106	6,019
Maintenance	Mil. dol	(NA)	814	1,774	1,946	2,168	2,392	3,062	3,672	3,965	4,310
Administration	Mil. dol	(NA)	846	1,224	1,482	1,503	1,634	3,370	3,054	3,282	3,638
Reconciling expense	Mil. dol	(NA)	215	464	597	761	780	1,383	1,696	1,727	2,030
Capital expenditure, Federal	**Mil. dol**	(NA)	**1,287**	**2,787**	**2,946**	**2,544**	**3,162**	**2,876**	**2,510**	**3,137**	**2,476**
Vehicle-miles operated	**Million**	**1,884**	**1,989**	**2,094**	**2,134**	**2,129**	**2,117**	**2,749**	**2,791**	**2,890**	**2,962**
Motorbus	Million	1,409	1,526	1,677	1,685	1,669	1,678	1,845	1,863	1,896	1,927
Heavy rail	Million	407	423	385	420	429	408	436	451	476	490
Other electric [3]	Million	68	40	32	29	31	31	32	33	33	34
Suburban rail	Million	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	168	183	186	189
All other	Million	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	268	261	299	322
Passengers carried [5]	**Million**	**7,361**	**6,988**	**8,249**	**7,978**	**7,755**	**7,903**	**8,851**	**8,659**	**8,801**	**8,340**
Motorbus [5]	Million	5,034	5,084	5,837	5,594	5,324	5,422	5,908	5,675	5,748	5,207
Heavy rail [5]	Million	1,881	1,673	2,108	2,094	2,115	2,167	2,231	2,290	2,333	2,402
Other electric [3] [5]	Million	446	231	304	290	316	314	329	303	304	300
Suburban rail	Million	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	267	275	303	311
All other	Million	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	116	116	113	120
Avg. revenue per passenger	**Cents**	**22.4**	**26.7**	**31.0**	**33.9**	**39.7**	**40.2**	**50.3**	**52.8**	**56.9**	**61.8**
Employees, number (avg.)	**1,000**	**138**	**160**	**187**	**192**	**194**	**195**	**263**	**270**	**276**	**275**
Payroll, employee	Mil. dol	1,274	2,236	3,281	3,494	3,731	3,921	5,466	5,843	6,228	6,540

NA Not available. [1] Includes systems with combined services including motorbuses, heavy rail cars, light rail cars, trolley coaches, cable cars, and inclined plane cars. Beginning 1984, combined services also include suburban rail cars, urban ferry boats, vanpools, aerial tramways, automated guideways, and demand response vehicles. [2] Beginning 1984, includes active vehicles only. [3] Includes light rail, trolley coach, cable car, inclined plane, aerial tramway, and automated guideways. [4] Includes other operating revenue, non-operating revenue, and auxiliary income. [5] Data for 1970 and 1975 not comparable with later years.

Source: American Public Transit Association, Washington, DC, *Transit Fact Book*, annual.

NO. 1032. CLASS I INTERCITY MOTOR CARRIERS OF PASSENGERS: 1970 TO 1986

[Carriers subject to ICC regulations. See text, section 21. Minus sign (–) indicates deficit. See also *Historical Statistics, Colonial Times to 1970,* series Q 69–75]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Carriers reporting [1]	Number	71	77	43	45	48	45	50	45	43	43
Number of employees, average	1,000	34	31	26	27	31	31	30	25	25	24
Compensation of employees	Mil. dol	317	383	412	469	599	630	646	570	551	518
Operating revenue	Mil. dol	722	942	[2] 1,021	1,200	1,397	1,453	1,447	1,276	1,255	1,233
Passenger revenue [3]	Mil. dol	524	651	671	802	947	993	969	876	861	836
Special bus revenue and other	Mil. dol	198	291	345	398	215	202	229	180	180	184
Operating expenses	*Mil. dol*	*639*	*880*	*983*	*1,143*	*1,318*	*1,381*	*1,416*	*1,283*	*1,254*	*1,168*
Net operating revenue	Mil. dol	83	61	38	57	79	72	30	–7	1	65
Ordinary income:											
Before income taxes	Mil. dol	88	83	57	57	107	88	35	16	53	65
After income taxes	Mil. dol	52	56	41	57	90	61	37	26	43	53
Passenger vehicles in service [3]	1,000	13.3	9.7	8.5	8.2	8.6	8.4	8.1	7.3	7.0	8.4
Vehicle-miles, passenger	Million	871	835	726	754	781	732	717	591	585	567
Revenue passengers carried	Million	174	147	118	122	134	114	112	94	89	88
Expense per vehicle-mile	Dollar	.73	1.05	1.35	1.52	1.69	1.89	1.98	2.17	2.14	2.06

[1] Excludes carriers preponderantly in local or suburban service and carriers engaged in transportation of both property passengers. [2] Includes $4 million from Government authorities for current operations. [3] Regular route, intercity and

Source: U.S. Interstate Commerce Commission, 1970, *Transport Statistics in the United States,* Part 7, and 1975–1984, annual.

NO. 1033. INTERCITY BUS LINES—SUMMARY OF OPERATIONS: 1970 TO 1987

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Operating companies	Number	1,000	950	1,200	1,330	1,470	1,520	(NA)	(NA)	(NA)	(NA)
Buses	1,000	22.0	20.5	21.3	21.4	21.7	20.9	20.4	20.1	20.1	19.1
Miles of highway served (Dec. 31) [1]	1,000	267	274	280	279	276	273	270	266	263	257
Employees (Dec. 31) [2]	1,000	50	47	48	49	50	48	45	44	43	41
Bus miles, total	Million	1,209	1,126	1,153	1,162	1,151	1,115	1,027	1,016	997	945
Revenue passengers	Million	401	351	368	370	370	359	352	352	353	346
Charter and tour passengers	Million	92	145	185	195	204	206	209	(NA)	(NA)	(NA)
Revenue passenger-miles	Billion	25.3	25.4	27.7	27.4	268	27.3	25.4	35.2	23.8	22.5
Operating revenue, all services	Mil. dol	901	1,172	1,664	1,943	2,097	2,070	1,953	1,914	1,898	1,838
Operating expenses	*Mil. dol*	*812*	*1,103*	*1,572*	*1,811*	*1,982*	*2,013*	*1,938*	*1,896*	*1,839*	*1,781*
Net operating revenue [3]	Mil. dol	89	69	¯92	132	115	57	15	18	59	57

NA Not available. [1] Includes duplication between carriers. [2] Operating companies only. [3] Before income

Source: American Bus Association, Washington, DC, *Bus Facts,* annual; and *Annual Report.*

NO. 1034. WAREHOUSING SERVICES—OPERATING REVENUES, OPERATING EXPENSES, AND PAYROL 1985 TO 1987

[In millions of dollars]

SIC [1] code	KIND OF BUSINESS	OPERATING REVENUES			OPERATING EXPENSES			ANNUAL PAYROLL	
		1985	1986	1987	1985	1986	1987	1985	1986
42	Motor freight transportation and warehousing services [2]	86,842	91,544	97,684	82,855	85,472	92,608	26,973	27,798
421	Trucking, local and long distance	82,212	86,614	92,494	78,819	81,193	88,142	25,576	26,305
422	Public warehousing	4,415	4,750	4,911	3,847	4,131	4,211	1,322	1,433
4221	Farm product warehousing and storage	518	(D)	617	457	(D)	510	(D)	(D)
4222	Refrigerated warehousing	1,007	1,135	1,231	872	999	1,017	313	349
4224	Household goods warehousing and storage	233	238	251	200	187	196	53	54
4225, 6	General warehousing and storage and special warehousing and storage not elsewhere classified	2,657	2,856	2,612	2,319	2,500	2,488	811	884

D Data do not meet publication standards because of high sampling error or high imputation rate. [1] Standard Classification. [2] Includes terminal and joint terminal maintenance facilities for motor freight transportation (SIC 4231) not separately.

Source: U.S. Bureau of the Census, *Current Business Reports, 1987 Motor Freight Transportation and Warehousing*

No. 1035. Trucking Services—Operating Revenues, Operating Expenses, and Equipment, by Type of Carrier: 1985 to 1987

[In millions of dollars, except as indicated. Data cover SIC group 421. Estimates include both regulated and nonregulated carriers; excluded are non-employers (i.e., firms with no paid employees) and private fleets operated as auxiliary establishments to nontransportation companies. Some unpublished estimates may be derived from this table by subtraction, but such figures are subject to high sampling variability and should be used with caution]

ITEM	ALL CARRIERS			SPECIALTY FREIGHT CARRIERS			GENERAL FREIGHT CARRIERS		
	1985	1986	1987	1985	1986	1987	1985	1986	1987
Operating revenues:									
Total [1]	82,212	86,614	92,494	28,807	31,287	33,202	53,405	55,328	59,293
Motor carrier	76,996	80,699	86,801	25,531	27,186	29,308	51,465	53,513	57,493
Local trucking	16,609	15,634	18,603	8,598	9,452	10,854	8,011	6,182	7,749
Intercity trucking	60,387	65,065	68,196	16,933	17,734	18,454	43,454	47,330	49,744
Operating expenses:									
Total	76,819	81,193	88,142	27,348	29,601	31,438	51,471	51,592	56,703
Annual payroll	25,576	26,305	28,257	7,274	7,571	8,089	18,303	18,734	20,168
Employer contributions to Social Security and other supplemental labor benefits	5,851	5,940	6,480	1,367	1,459	1,582	4,484	4,481	4,898
Purchased fuels	6,414	5,244	5,676	2,059	1,678	1,894	4,354	3,566	3,782
Cost of purchased transportation	(NA)	19,097	19,901	(NA)	8,715	8,448	(NA)	10,381	11,454
Lease and rental payments	1,235	1,520	1,679	474	644	735	761	876	945
Cost of insurance	(NA)	3,053	3,513	(NA)	1,223	1,454	(NA)	1,830	2,059
Maintenance and repair costs	(NA)	4,374	4,728	(NA)	1,774	1,901	(NA)	2,600	2,827
Depreciation	3,941	4,157	4,585	1,500	1,573	1,821	2,441	2,584	2,764
Taxes and licenses	1,832	1,829	1,867	582	597	699	1,250	1,233	1,169
Other	(NA)	9,674	11,455	(NA)	4,367	4,817	(NA)	5,308	6,638
Equipment (1,000 units): [2]									
Trucks	216	201	226	(S)	77	89	(S)	124	137
Truck-tractors	469	461	502	167	165	167	302	295	334
Trailers, full and semi	1,011	1,055	1,164	246	254	312	765	801	852

NA Not available. S Data do not meet publication standards. [1] Includes other revenues not shown separately. [2] Represents revenue generating freight equipment as of December 31. Includes owned and leased equipment.

Source: U.S. Bureau of the Census, *Current Business Reports, 1987 Motor Freight Transportation and Warehousing Survey.*

No. 1036. Class I Intercity Motor Carriers of Property, by Carrier: 1975 to 1986

[See headnote, table 1032. Common carriers are carriers offering regular scheduled service. Contract carriers provide service at request of user. Minus sign (–) indicates loss]

ITEM	Unit	1975	1980	1985	1986	1975	1980	1985	1986
		COMMON CARRIER, GENERAL FREIGHT				COMMON CARRIER OTHER THAN GENERAL FREIGHT			
Carriers reporting	Number	368	298	237	215	330	441	397	391
Number of employees, average	1,000	379	413	376	396	94	101	76	76
Compensation of employees	Mil. dol	5,726	9,803	10,217	10,839	1,046	1,931	1,783	1,817
Operating revenues	Mil. dol	11,116	19,725	22,314	23,387	3,907	8,792	7,962	8,162
Intercity freight	Mil. dol	10,511	19,480	22,080	23,158	3,717	8,339	7,664	7,839
Operating expenses	Mil. dol	10,571	18,870	21,037	21,779	3,758	8,426	7,752	7,870
Ordinary income before taxes	Mil. dol	432	701	1,198	1,502	109	230	123	203
Net income	Mil. dol	225	–72	658	837	65	14	94	138
Total power units, intercity service	1,000	78	102	108	113	69	95	77	78
Trucks, tractors owned in operation, avg	1,000	49	73	82	87	25	33	29	28
Intercity vehicle-miles	Million	6,246	6,547	5,760	5,900	4,776	6,889	5,714	5,904
Tons of intercity revenue freight carried	Million	191	178	136	135	264	324	303	299
		CONTRACT CARRIER OTHER THAN GENERAL FREIGHT				CARRIERS OF HOUSEHOLD GOODS			
Carriers reporting	Number	50	69	64	62	32	28	40	42
Number of employees, average	1,000	10	14	22	18	4	10	11	12
Compensation of employees	Mil. dol	175	336	630	520	70	157	240	262
Operating revenues	Mil. dol	453	1,272	1,942	1,810	886	1,824	2,684	2,843
Intercity freight	Mil. dol	411	1,172	1,792	1,647	765	1,676	2,388	2,485
Operating expenses	Mil. dol	432	1,207	1,807	1,701	849	1,781	2,635	2,782
Ordinary income before taxes	Mil. dol	17	48	103	80	32	74	79	66
Net income	Mil. dol	9	28	69	46	18	42	54	49
Total power units, intercity service	1,000	8	13	16	16	18	25	35	34
Trucks, tractors owned in operation, avg	1,000	5	7	11	10	(Z)	1	1	1
Intercity vehicle-miles	Million	454	934	1,227	1,177	688	969	1,171	1,202
Tons of intercity revenue freight carried	Million	21	37	41	38	3	5	7	7

Z Less than 500.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States,* Part 2, annual.

No. 1037. Railroads, Class I—Summary: 1970 to 1987

[As of **Dec. 31**, or **calendar year** data, except as noted. Compiled from annual reports of class I railroads only, except wh noted. Beginning 1983, financial data are not comparable with earlier years due to change in method of accounting for track related structures. Minus sign (–) indicates deficit. See also *Historical Statistics, Colonial Times to 1970*, series Q 284-312 319, Q 330, Q 356-378, and Q 400-401]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986
Class I line-hauling companies [1]	Number	71	73	39	33	32	29	23	22
Employees [2]	1,000	566	494	480	397	342	344	302	276
Compensation	Mil. dol	5,711	7,475	11,318	11,021	10,345	11,004	10,563	9,900
Average per hour	Dollars	4.14	6.39	10.21	12.26	13.29	13.84	14.30	14.75
Average per year	Dollars	10,086	15,324	24,659	29,087	32,125	34,064	34,991	35,894
Mileage:									
Railroad line owned [3]	1,000	206	199	179	165	161	157	155	154
Railroad track owned [4]	1,000	336	324	290	275	270	264	257	256
Equipment:									
Locomotives in service	Number	27,086	28,210	28,396	27,073	25,838	24,506	22,932	21,045
Average horsepower	1,000 lb	1,926	2,121	2,302	2,341	2,364	2,415	2,469	2,531
Cars in service:									
Passenger-train	Number	11,177	6,471	4,347	3,736	2,610	[5] 2,580	2,502	2,307
Freight train [6]	1,000	1,784	1,724	1,711	1,588	1,543	1,466	1,422	1,339
Freight cars [7]	1,000	1,454	1,359	1,168	1,039	1,007	948	867	799
Average capacity [7]	Tons	67.1	72.9	78.5	81.6	82.4	83.4	83.2	84.1
Aggregate capacity [7]	Mil. tons	95.6	99.2	92.7	84.8	83.0	80.0	72.2	67.2
Box [7]	1,000	590	475	347	278	271	245	216	180
Gondola and hopper [7]	1,000	724	680	636	594	577	552	505	473
Other [7]	1,000	140	204	185	167	159	151	145	146
Income and expenses:									
Operating revenues	Mil. dol	11,992	16,402	28,258	27,504	26,729	29,453	27,586	26,204
Operating expenses	Mil. dol	11,478	15,936	26,355	26,490	24,106	25,800	25,225	24,896
Net revenue from operations	Mil. dol	514	466	1,902	1,013	2,623	3,653	2,361	1,308
Income before fixed charges	Mil. dol	994	1,094	2,897	2,465	3,608	4,893	3,393	2,480
Provision for taxes [8]	Mil. dol	88	58	592	340	851	1,185	660	163
Ordinary income	Mil. dol	227	144	1,129	1,152	1,778	2,654	1,788	747
Net income	Mil. dol	227	144	1,129	1,152	1,797	2,701	1,882	544
Net railway operating income	Mil. dol	486	351	1,339	742	1,838	2,537	1,746	507
Total taxes [9]	Mil. dol	1,069	1,706	2,585	2,628	3,014	3,577	3,088	2,612
Industry return on net investment	Percent	1.7	1.2	4.2	2.1	4.3	5.7	5.8	4.9
Gross capital expenditures	Mil. dol	1,351	1,790	3,238	2,166	2,985	4,121	4,485	3,645
Equipment	Mil. dol	993	1,303	2,280	846	455	806	965	693
Roadway and structures	Mil. dol	358	486	953	1,318	2,306	2,938	3,458	2,908
Other	Mil. dol	-	-	5	2	224	377	62	44
Balance sheet:									
Total property investment	Mil. dol	38,213	40,344	43,923	47,311	62,964	63,471	64,241	64,781
Accrued depreciation and amortization	Mil. dol	10,027	10,605	10,706	12,051	19,480	20,098	19,756	20,940
Net investment	Mil. dol	28,186	29,740	33,217	35,260	43,483	45,435	46,237	45,344
Shareholder's equity	Mil. dol	17,323	14,942	19,860	21,349	26,461	27,986	27,605	25,442
Net working capital	Mil. dol	–59	68	897	1,372	1,325	1,844	1,084	743
Cash dividends	Mil. dol	421	434	610	1,038	1,085	1,066	1,444	1,376
AMTRAK passenger traffic:									
Passenger revenue	Mil. dol	(NA)	(NA)	(NA)	465.1	515.3	556.7	604.9	633.6
Revenue passengers carried	1,000	(NA)	(NA)	(NA)	18,725	19,469	20,065	20,945	20,165
Revenue passenger miles	Mil	(NA)	(NA)	(NA)	4,122	4,343	4,566	4,977	5,015
Averages:									
Revenue per passenger	Dol	(NA)	(NA)	(NA)	24.80	26.39	28.23	28.88	31.42
Revenue per passenger mile	Cents	(NA)	(NA)	(NA)	11.26	11.83	12.43	12.15	12.63
Trip per passenger	Miles	(NA)	(NA)	(NA)	220.1	223.1	227.6	237.6	248.7
Freight service:									
Freight revenue	Mil. dol	10,922	15,390	26,200	25,627	25,835	28,472	26,688	25,344
Per ton-mile	Cents	1.43	2.04	2.83	3.21	3.20	3.06	3.04	2.92
Per ton originated	Dollar	7.67	11.40	18.05	20.89	20.66	20.89	21.39	20.82
Revenue-tons originated	Million	1,485	1,395	1,492	1,269	1,293	1,429	1,320	1,067
Revenue-tons caried	Million	2,616	2,437	2,434	1,979	1,932	2,119	1,985	1,938
Tons carried one mile	Billion	765	754	919	798	827	922	877	868
Average miles of road operated	1,000	209	205	179	174	170	165	161	155
Revenue ton-miles per mile of road	1,000	3,652	3,666	5,133	4,802	4,876	5,578	5,446	5,587
Revenue per ton-mile	Cents	1.428	2.041	2.852	3.212	3.119	3.090	3.043	2.921
Train miles	Million	427	402	428	345	346	369	347	347
Net ton-miles per train-mile [10]	Number	1,820	1,938	2,175	2,345	2,432	2,543	2,574	2,552
Net ton-miles per loaded car-mile [10]	Number	44.9	51.7	63.5	66.3	61.2	62.4	62.7	63.2
Train-miles per train-hour	Miles	20.1	20.0	18.2	21.4	20.3	21.9	21.9	22.5
Haul per ton, U.S. as a system	Miles	515	541	616	629	641	645	664	664
Accident: [11]									
Persons killed	Number	2,255	1,560	1,417	1,119	1,073	1,247	1,036	1,091
Persons injured	Number	21,327	54,306	62,246	40,275	34,816	38,570	34,304	26,923

- Represents zero. NA Not available. [1] See text, section 21 for definition of class I. [2] Average mid-month count [3] Represents the aggregate length of roadway of all line-haul railroads. Excludes yard tracks, sidings, and parallel lines. (Includes estimate for class II and III railroads.) [4] Includes multiple main tracks, yard tracks, and sidings owned by both line-haul and switching and terminal. (Includes estimate for class II and III railroads.) [5] Excludes Long Island Railroad, which was reclassified

[6] Includes cars owned by all railroads, private car companies, and shippers. [7] Class I railroads only. [8] Includes State income taxes beginning 1980. [9] Includes payroll, income, and other taxes. [10] Revenue and non-revenue freight.

[11] Includes highway grade crossing casualties. 1970 not comparable with later years due to change in requirements for reporting injuries.

Source: Association of American Railroads, Washington, DC, *Yearbook of Railroad Facts*, *Statistics of Railroads of Class I*, annual, and *Analysis of Class I Railroads*, annual. Accident data: U.S. Federal Railroad Administration, *Accident Bulletin*, annual

No. 1038. Railroads, Class I—Cars of Revenue Freight Loaded, 1960 to 1987, and by Commodity Group, 1986 and 1987

[In thousands. Figures are 52-week totals. N.e.c.=Not elsewhere classified]

Year	Carloads: Total	Carloads: Piggyback	Commodity group	Carloads: 1986	Carloads: 1987	Commodity group	Carloads: 1986	Carloads: 1987
1960	30,441	554	Coal	5,725	5,811	Crushed stone, gravel, sand	678	746
1965	29,248	1,077	Metallic ores	798	846	Nonmetalic minerals, n.e.c	475	490
1970	27,160	1,450	Chemicals, allied products	1,273	1,370	Waste and scrap materials	413	452
1975	23,217	1,308	Grain	1,268	1,505	Lumber, wood products (exc. furniture), n.e.c.	397	419
1980	22,598	1,661	Motor vehicles and equipment	1,038	980	Forwarder/shipper assoc. traffic	198	143
1981	21,613	1,723	Pulp, paper, allied products	665	647	Coke	218	260
1982	18,498	1,920	Primary forest products	535	544	Petroleum product	241	250
1983	18,815	2,348	Food and kindred prod., n.e.c	563	567	Farm products, exc. grain	193	203
1984	20,257	2,703	Grain mill products	546	565	Less than carload	6	5
1985	19,574	2,863	Metals and products	415	472	All other carloads	3,628	3,998
1986	19,783	3,279	Stone, clay, and glass products	510	539			
1987	20,812	3,370						

Source: Association of American Railroads, Washington, DC, *Cars of Revenue Freight Loaded,* annual.

No. 1039. Railroads, Class I Line-Haul—Revenue Freight Originated, by Commodity Group: 1970 to 1987

[See *Historical Statistics, Colonial Times to 1970,* series Q 332, for total carloads originated]

Commodity group	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Carloads [1] (1,000)	**27,015**	**22,930**	**23,409**	**22,223**	**21,343**	**18,585**	**19,013**	**20,946**	**19,501**	**19,587**	**20,602**
Coal	5,296	4,844	5,329	5,789	5,835	5,718	5,276	6,061	5,684	5,433	5,430
Farm products	2,374	1,873	1,721	1,866	1,637	1,566	1,642	1,757	1,494	1,602	1,907
Food and kindred products	2,706	2,154	1,348	1,767	1,557	1,391	1,316	1,234	1,224	1,276	1,326
Metallic ores	1,602	1,338	1,480	1,258	1,354	761	812	1,001	511	508	494
Chemicals, allied products	1,576	1,313	1,471	1,322	1,322	1,120	1,216	1,312	1,296	1,287	1,410
Nonmetallic minerals [2]	2,204	1,895	1,592	1,474	1,272	958	1,079	1,204	1,196	1,113	1,188
Lumber and wood products [3]	2,048	1,615	1,565	1,384	1,254	1,002	1,075	1,051	948	965	986
Transportation equipment	1,059	1,135	1,278	1,004	939	801	954	1,141	1,202	1,148	1,085
Pulp, paper, allied products	1,197	1,015	977	954	899	765	746	741	703	672	561
Primary metal products	1,486	796	913	756	760	459	440	487	449	389	428
Stone, clay, and glass products	1,231	906	920	776	690	516	543	576	551	530	559
Waste and scrap materials	805	744	713	632	610	409	417	480	429	402	440
Petroleum and coal products	699	787	716	596	607	467	495	529	491	477	520
Machinery, exc. electrical	200	156	90	77	66	43	38	40	35	31	33
Fabricated metal products [4]	398	244	87	72	55	36	33	37	31	26	24
Tons [1] (mil.)	**1,484.9**	**1,395.1**	**1,502.1**	**1,492.4**	**1,453.0**	**1,268.6**	**1,292.6**	**1,429.4**	**1,319.8**	**1,305.8**	**1,372.2**
Coal	404.6	407.6	473.8	522.1	527.6	523.8	493.6	566.6	538.0	517.5	523.3
Farm products	134.2	134.4	138.5	156.1	139.9	133.5	142.2	151.1	127.0	136.4	162.9
Food and kindred products	110.1	100.2	93.2	91.9	82.8	77.0	75.2	72.1	73.5	78.3	81.4
Metallic ores	126.7	106.4	119.9	105.4	113.8	62.6	68.4	85.5	46.9	46.4	44.9
Chemicals, allied products	91.6	91.4	112.4	108.3	105.9	91.2	99.3	107.4	106.4	105.6	115.9
Nonmetallic minerals [2]	163.3	150.6	132.3	124.8	110.0	84.7	96.5	108.2	107.7	101.2	109.4
Lumber and wood products [3]	101.9	88.6	93.1	85.5	80.3	65.9	71.7	69.8	63.2	64.9	66.8
Transportation equipment	24.2	27.3	30.6	23.9	22.2	18.8	22.2	26.1	27.2	25.9	23.9
Pulp, paper, allied products	42.5	40.6	42.4	42.1	41.6	36.4	36.6	37.7	36.2	35.6	35.9
Primary metal products	82.2	51.4	63.9	52.7	53.3	32.0	32.0	36.1	33.6	29.7	33.4
Stone, clay, and glass products	71.1	56.8	61.5	53.7	49.2	38.2	41.6	44.7	43.5	42.1	44.3
Waste and scrap materials	39.8	38.2	38.5	34.3	34.1	22.7	24.5	28.8	25.7	25.0	28.2
Petroleum and coal products	36.3	45.8	43.9	38.1	39.0	31.6	33.6	35.3	32.9	32.8	34.9
Machinery, exc. electrical	4.6	3.6	2.3	2.0	1.7	1.2	.8	.9	.9	.8	.8
Fabricated metal products [4]	11.3	8.2	2.3	2.0	1.7	1.0	.8	.9	.8	.7	.6
Gross revenue [1] (mil. dol.)	**11,388**	**15,899**	**24,283**	**26,938**	**29,590**	**26,504**	**26,710**	**29,866**	**28,225**	**27,186**	**27,657**
Coal	1,381	2,146	3,872	4,956	5,977	6,307	5,969	6,965	6,556	6,089	6,097
Farm products	1,068	1,472	2,101	2,801	2,621	2,305	2,374	2,483	1,977	2,007	2,246
Food and kindred products	1,363	1,822	2,421	2,837	2,928	2,604	2,349	2,309	2,256	2,192	2,171
Metallic ores	333	468	621	597	723	403	450	567	403	375	348
Chemicals, allied products	1,137	1,681	2,739	2,946	3,288	2,942	3,078	3,360	3,342	3,342	3,477
Nonmetallic minerals [2]	409	596	829	948	1,036	852	834	997	949	839	854
Lumber and wood products [3]	832	1,066	1,546	1,543	1,559	1,303	1,527	1,611	1,525	1,563	1,660
Transportation equipment	734	1,283	2,167	1,917	2,120	1,966	2,292	2,859	3,110	2,997	2,866
Pulp, paper, allied products	730	977	1,445	1,652	1,848	1,717	1,671	1,762	1,641	1,572	1,542
Primary metal products	813	848	1,291	1,332	1,559	977	816	955	872	787	863
Stone, clay, and glass products	512	651	1,018	1,025	1,114	888	908	1,024	960	907	914
Waste and scrap materials	232	359	479	513	573	418	423	496	446	425	474
Petroleum and coal products	305	573	835	865	1,019	887	844	913	861	800	809
Machinery, exc. electrical	148	200	174	176	176	115	75	81	72	58	57
Fabricated metal products [4]	210	221	117	110	105	71	52	57	48	40	37

[1] Includes commodity groups and small packaged freight shipments, not shown separately. [2] Except fuels. [3] Except furniture. [4] Except ordnance, machinery, and transport.

Source: 1970–1979, U.S. Interstate Commerce Commission, *Freight Commodity Statistics—Class I Railroads in the United States,* annual; thereafter, Association of American Railroads, Washington, DC, *Freight Commodity Statistics,* annual.

No. 1040. RAILROAD FREIGHT—PRODUCER PRICE INDEXES: 1970 TO 1986

[Dec. 1984=100. Reflects prices for shipping a fixed set of commodities under specified and unchanging conditions]

COMMODITY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total railroad freight	**29.1**	**45.3**	**53.2**	**56.9**	**65.0**	**75.9**	**87.4**	**93.7**	**95.0**	**99.3**	**99.9**	**100.7**
Annual percent change [1]	8.8	13.2	6.8	7.0	14.2	16.8	15.2	7.2	1.4	4.5	.6	.8
Coal	26.9	44.0	52.4	56.5	65.9	75.8	86.9	95.4	96.5	99.9	100.0	100.7
Farm products	29.7	45.2	52.4	56.1	64.6	75.6	86.3	92.4	94.0	98.7	99.0	99.6
Food and kindred products	28.9	44.8	51.9	55.8	63.5	75.2	87.4	93.7	94.8	99.1	100.0	99.8
Metallic ores	26.4	43.2	51.2	55.1	63.8	74.5	86.1	93.9	95.9	99.4	100.2	100.5
Chemicals and allied products	30.0	46.5	54.3	57.5	64.9	75.6	87.1	93.5	94.3	98.7	100.1	101.2
Nonmetallic minerals	25.4	40.5	48.3	52.0	60.6	72.2	86.4	93.3	94.6	98.9	100.1	101.6
Lumber and wood products	28.3	42.8	50.1	53.8	61.0	72.7	85.2	91.4	93.3	99.7	100.0	100.8
Transportation equipment	31.7	50.3	59.3	63.1	71.5	81.7	91.6	94.5	95.6	99.8	100.0	100.8
Pulp, paper, and allied products	31.5	47.1	53.9	57.0	64.7	76.7	88.5	94.7	95.6	99.9	100.0	101.0
Primary metal products	29.9	47.8	56.0	59.5	67.5	77.8	88.5	94.3	95.4	99.7	99.7	100.2
Stone, clay, concrete, glass products	26.9	43.0	50.9	55.0	62.8	74.2	86.5	93.4	94.4	98.8	100.0	102.2

[1] Change from prior year.

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes,* monthly and annual.

No. 1041. PETROLEUM PIPELINE COMPANIES—CHARACTERISTICS: 1975 TO 1986

[1975, covers pipeline companies operating in interstate commerce and subject to jurisdiction of Interstate Commerce Commissio; thereafter, Federal Energy Regulatory Commission]

ITEM	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	198
Miles of pipeline, total	1,000	170.7	154.5	161.6	169.8	172.7	172.8	172.5	167.8	173.9	171.4	170.0
Gathering lines	1,000	40.4	34.7	36.5	36.9	36.3	38.6	35.6	31.0	36.1	35.0	34.2
Trunk lines	1,000	130.3	119.8	125.1	132.9	136.4	134.2	136.9	136.9	137.9	136.4	135.8
Total deliveries	Mil. bbl	9,391	10,019	10,768	11,140	10,600	10,223	10,181	10,310	10,224	10,745	11,00
Crude oil	Mil. bbl	5,729	6,089	6,550	6,728	6,405	6,070	5,968	6,020	5,671	6,239	6,28
Products	Mil. bbl	3,662	3,930	4,218	4,412	4,195	4,153	4,213	4,289	4,552	4,506	4,71
Total trunk line traffic	Bil. bbl-miles	2,892	3,895	3,723	3,577	3,405	3,554	3,442	3,328	3,406	3,342	3,46
Crude oil	Bil. bbl-miles	1,551	2,267	2,031	1,946	1,948	1,813	1,938	1,875	1,855	1,842	1,88
Products	Bil. bbl-miles	1,341	1,627	1,691	1,631	1,458	1,740	1,484	1,452	1,551	1,500	1,57
Carrier property value	Mil. dol	10,740	16,736	17,654	18,990	19,752	21,250	21,942	22,255	19,397	21,605	22,38
Operating revenues	Mil. dol	1,869	2,818	4,990	5,781	6,356	6,678	7,140	7,472	7,824	7,461	7,29
Net income	Mil. dol	456	478	1,696	1,648	1,912	2,031	2,162	2,353	2,545	2,431	2,05

Source: PennWell Publishing Co., Tulsa, Okla., *Oil and Gas Journal,* November 23, 1987 and earlier issues. (Copyright.)

No. 1042. MAJOR INTERSTATE NATURAL GAS PIPELINE COMPANIES—SUMMARY: 1980 TO 1986

[Major natural gas pipleline companies are those whose combined sales for resale and natural gas transported or stored for a fee exceed 50 billion cubic feet. They account for more than 85 percent of all interstate natural gas]

ITEM	Unit	1980	1981	1982	1983	1984	1985	198
Sales	Tril. cu. ft	(NA)	15.2	14.4	12.9	13.2	11.3	7.
Residential	Tril. cu. ft	(NA)	.1	.3	.3	.3	.3	.
Commercial, industrial	Tril. cu. ft	(NA)	1.1	1.2	1.0	1.2	1.1	.
For resale	Tril. cu. ft	(NA)	14.1	13.0	11.6	11.6	9.9	7.
Operating revenues	Mil. dol	(NA)	46,465	56,203	56,792	56,326	49,106	33,8
From sales [1]	Mil. dol	(NA)	44,277	53,601	53,710	52,529	44,996	29,50
Residential	Mil. dol	(NA)	204	1,273	1,725	1,927	1,679	1,12
Commercial, industrial	Mil. dol	(NA)	3,336	4,453	4,233	5,180	4,466	1,9
For resale	Mil. dol	(NA)	40,677	47,776	47,661	45,268	38,545	26,8
From transportation of gas to others	Mil. dol	(NA)	1,011	1,259	1,787	1,923	2,272	3,0
Other	Mil. dol	(NA)	1,177	1,344	1,296	1,874	1,838	1,3
Operation, maintenance expenses	Mil. dol	33,303	41,242	49,989	49,391	48,411	42,528	27,4
Production	Mil. dol	29,644	36,706	44,449	43,516	42,407	36,739	22,0
Storage	Mil. dol	253	313	405	441	415	418	4
Transmission	Mil. dol	2,431	3,122	3,629	3,729	3,760	3,409	2,5
Distribution	Mil. dol	28	31	103	131	131	132	
Administrative, general, and other	Mil. dol	947	1,070	1,402	1,576	1,697	1,830	2,1
Pipeline mileage:								
Transmission lines	1,000	(NA)	(NA)	178.0	176.7	183.4	169.7	184.
Field lines	1,000	(NA)	(NA)	64.6	63.7	65.2	69.6	64.
Storage	1,000	(NA)	(NA)	6.9	6.5	4.6	4.8	4

NA Not available. [1] Includes other ultimate customers not shown separately.

Source: U.S. Energy Information Administration, *Statistics of Interstate Natural Gas Pipeline Companies,* annual.

Section 22

Transportation—Air and Water

This section presents statistics on civil air transportation, both passenger and cargo, and on water transportation, including inland waterways, oceanborne commerce, the merchant marine, cargo and vessel tonnages, and shipbuilding. Comparative data on various types of transportation carriers are presented in section 21.

Principal sources of these data are the annual *FAA Statistical Handbook of Aviation* issued by the Federal Aviation Administration (FAA); the annual *Waterborne Commerce of the United States* issued by the Corps of Engineers of the Department of the Army; the monthly and annual issues of *U.S. Waterborne Exports and General Imports,* and *U.S. Airborne Exports and General Imports,* the annual *Vessel Entrances and Clearances,* and the monthly *Highlights of U.S. Export and Import Trade,* issued by the Bureau of the Census. In addition, the Bureau of the Census in its commodity transportation survey (part of the census of transportation, taken every five years, for years ending in "2" and "7") provides data on the type, weight, and value of commodities shipped by manufacturing establishments in the United States, by means of transportation, origin, and destination.

Air transportation data are also presented annually by the Air Transport Association of America, Washington, DC in *Air Transport Facts and Figures.* Additional sources of data on water transportation include *A Statistical Analysis of the World's Merchant Fleets,* issued periodically by the U.S. Maritime Administration; *The Bulletin,* issued monthly by the American Bureau of Shipping, New York; and the *Annual Summary of Merchant Ships Completed in the World* and the *Register Book,* published by Lloyd's Register of Shipping, London, England.

Civil aviation.—Federal promotion and regulation of civil aviation have been carried out by the FAA and the Civil Aeronautics Board (CAB). The CAB promoted and regulated the civil air transportation industry within the United States and between the United States and foreign countries. The Board granted licenses to provide air transportation service, approved or disapproved proposed rates and fares, and approved or disapproved proposed agreements and corporate relationships involving air carriers. In December 1984, the CAB ceased to exist as an agency. Some of its functions were transferred to the Department of Transportation (DOT), as outlined below. The responsibility for investigation of aviation accidents resides with the National Transportation Safety Board.

The Office of the Secretary, DOT aviation activities include: negotiation of international air transportation rights, selection of U.S. air carriers to serve capacity controlled international markets, oversight of international rates and fares, maintenance of essential air service to small communities, and consumer affairs. DOT's Research and Special Programs Administration (RSPA) handles aviation information functions formerly assigned to CAB.

The principal activities of the FAA include: The promotion of air safety; controlling the use of navigable airspace; prescribing regulations dealing with the competency of airmen, airworthiness of aircraft, and air traffic control; operation of air route traffic control centers, airport traffic control towers, and flight service stations; the design, construction, maintenance, and inspection of navigation, traffic control, and communications equipment; and the development of general aviation.

The CAB published monthly and quarterly financial and traffic statistical data for the certificated route air carriers. RSPA continues these publications, including both certificated and non-certificated (communter) air carriers. The FAA publishes annually data on the use of airway facilities; data related to the location of airmen, aircraft, and airports; the volume of activity in the field of non-air carrier (general aviation) flying; and aircraft production and registration.

General aviation comprises all civil flying (including such commercial operations as small demand air taxis, agriculture application, powerline patrol, etc.) but excludes certificated route air carriers, supplemental operators, large-aircraft commercial operators and commuter airlines.

Air carriers and service.—The CAB previously issued "certificates of public convenience and necessity" under Section 401 of the Federal Aviation Act of 1958 for scheduled and non-scheduled (charter) passenger services and cargo services. It also issued certificates under Section 418 of the Act to cargo air carriers for domestic all-cargo service only. The DOT Office of the Secretary now issues the certificates under a "fit, willing and able" test of air carrier operations. Carriers operatin only 60 seat or less aircraft are given exemption authority to carry passengers, cargo and mail i scheduled and non-scheduled service under Part 298 of the DOT (formerly CAB) regulations. Ex emption authority carriers who offer scheduled passenger service to an essential air service poin must meet the "fit, willing and able" test.

Vessel shipments, entrances, and clearances.—Shipments by dry cargo vessels comprise shipments on all types of watercraft, except tanker vessels; shipments by tanker vessels comprise all types of cargo, liquid and dry, carried by tanker vessels.

A vessel is reported as entered only at the first port which it enters in the United States, whethe or not cargo is unloaded at that port. A vessel is reported as cleared only at the last port at whic clearance is made to a foreign port, whether or not it takes on cargo. Army and Navy vessels en tering or clearing without commercial cargo are not included in the figures.

Units of measurement.—Cargo (or freight) tonnage and shipping weight both represent th gross weight of the cargo including the weight of containers, wrappings, crates, etc. However, ship ping weight excludes lift and cargo vans and similar substantial outer containers. Other tonnag figures generally refer to stowing capacity of vessels, 100 cubic feet being called 1 ton. Gross ton nage comprises the space within the frames and the ceiling of the hull, together with those closed in spaces above deck available for cargo, stores, passengers, or crew, with certain minor excep tions. Net or registered tonnage is the gross tonnage less the spaces occupied by the propellin machinery, fuel, crew quarters, master's cabin, and navigation spaces. Substantially, it represent space available for cargo and passengers. The net tonnage capacity of a ship may bear little rela tion to weight of cargo. Deadweight tonnage is the weight in long tons required to depress a vesse from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore, the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Histor cal Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

NO. 1043. CERTIFICATED ROUTE PASSENGER/CARGO AIR CARRIERS—NUMBER, OPERATING REVENUES, AND EXPENSES: 1970 TO 1987

[**In millions of dollars, except number of carriers.** 1970-1979, includes scheduled and charter operations. Beginning 19 includes all cargo carriers. Minus sign (—) indicates loss. See also headnote, table 1044, and *Historical Statistics, Colon Times to 1970*, series Q 591-603]

ITEM	1970	1975	1979	1980	1982 [1]	1983 [1]	1984 [1]	1985 [1]	1986 [1]
Number of air carriers	39	33	49	63	98	96	95	106	93
DOMESTIC									
Operating revenue	**7,131**	**11,911**	**21,337**	**26,404**	**26,726**	**31,014**	**35,394**	**37,629**	**41,090**
Passenger	6,359	10,290	18,930	23,317	25,440	27,346	31,437	33,343	33,814
Mail (including subsidy)	205	247	413	530	572	537	560	740	683
Express and freight	472	702	1,184	1,582	1,505	1,582	1,690	1,581	4,363
Other	94	672	810	974	1,211	1,549	1,707	1,965	2,140
Operating expenses	**7,128**	**11,781**	**21,213**	**26,409**	**29,478**	**31,186**	**33,812**	**36,611**	**39,934**
Flying operations	2,098	3,869	7,867	11,029	11,529	11,370	12,161	12,684	11,368
Maintenance	1,127	1,595	2,421	2,758	2,709	2,878	3,176	3,604	4,475
General services and administration	3,157	5,050	9,120	10,545	12,825	14,274	15,625	17,324	20,690
Depreciation and amortization	745	883	1,352	1,560	1,876	2,107	2,223	2,318	2,652
Transport related	(NA)	383	453	517	537	554	627	681	746
Net operating income	**3**	**129**	**123**	**-6**	**-750**	**-171**	**1,582**	**1,018**	**1,066**
INTERNATIONAL									
Operating revenue	**1,913**	**3,063**	**5,191**	**6,543**	**6,435**	**7,163**	**7,975**	**8,302**	**8,621**
Passenger	1,553	2,435	4,226	4,984	4,959	5,361	6,075	6,451	6,551
Mail (including subsidy)	110	97	107	175	177	152	158	160	154
Express and freight	209	381	534	1,011	989	913	1,071	1,131	1,480
Other	41	150	325	372	309	737	671	560	437
Operating expenses	**1,894**	**3,059**	**5,105**	**6,766**	**6,452**	**6,693**	**7,485**	**7,984**	**8,458**
Flying operations	515	1,050	1,795	2,775	2,596	2,490	2,629	2,738	2,402
Maintenance	241	363	521	616	512	548	677	768	901
General services and administration	950	1,345	2,289	2,811	2,795	3,056	3,436	3,731	4,444
Depreciation and amortization	188	212	327	385	396	389	446	482	518
Transport related	(NA)	88	173	178	152	211	297	265	194
Net operating income	**19**	**4**	**86**	**-223**	**-17**	**470**	**490**	**319**	**163**

NA Not available. [1] Excludes carriers that report system total only (operating revenues of $902 million in 1982, $415 mi in 1983, $692 million in 1984, $2,649 million in 1985, $426 million in 1986, and $341 million (preliminary) in 1987; oper expenditures of $874 million, $352 million, $650 million, $2,613 million, $443 million, and $335 million (preliminary) in 1982, 1 1984, 1985, 1986, and 1987, respectively.

Source: U.S. Federal Aviation Administration and Research and Special Programs Administration, *Air Carrier Fina Statistics*, quarterly.

No. 1044. Certificated Route Air Carriers—Summary: 1970 to 1987

[As of **Dec. 31** or for **calendar years.** See text, section 22. Operations between conterminous U.S., Puerto Rico, and outlying areas included with international. See also *Historical Statistics, Colonial Times to 1970,* series Q 577-590 and Q 624-633]

ITEM	Unit	1970	1975	1980	1983	1984	1985	1986	1987
Domestic operators [1]	Number	35	33	63	96	95	106	93	93
International operators [1]	Number	6	2						
Employment, total [2]	1,000	297	290	371	329	345	355	422	457
Pilots, copilots, and other flight personnel	1,000	33	32	39	35	37	40	46	51
Flight attendants	1,000	34	39	57	56	60	63	68	77
Mechanics	1,000	48	45	45	40	43	43	48	51
Aircraft and traffic servicing personnel	1,000	84	83	122	95	101	101	180	195
Other	1,000	98	91	108	103	104	108	80	84
Fixed-wing aircraft in operation [3]	Number	2,421	2,260	2,505	2,618	2,692	2,860	3,799	4,231
Turbojet	Number	2,041	2,022	2,336	2,492	2,572	2,740	3,282	3,573
Two-engine	Number	519	500	652	974	1,065	1,235	1,494	1,722
Three-engine	Number	631	961	1,311	1,296	1,277	1,277	1,466	1,469
Four-engine	Number	891	561	373	222	230	228	322	382
Turboprop	Number	316	193	163	118	110	110	416	546
Piston	Number	64	45	6	8	10	10	101	112
Average available seats: [4] [5]									
Domestic	Number	110.4	130.4	143.1	154.1	153.7	152.5	153.4	152.9
International	Number	154.9	224.8	274.5	283.6	289.9	296.6	292.8	284.7
Average/hr. speed: [5]									
Domestic	Mi. per hr.	403	403	405	415	414	409	409	413
International	Mi. per hr.	482	482	494	491	494	497	493	494
Jet fuel consumed [6]	Mil. gal	10,083	9,507	11,311	10,526	11,470	12,603	13,682	14,480
Domestic	Mil. gal	7,842	7,558	9,218	8,556	9,417	10,115	11,137	11,587
International	Mil. gal	2,241	1,949	2,093	1,970	2,053	2,488	2,545	2,894
Revenue-miles flown [5]	Millions	2,426	2,241	2,816	2,809	3,133	3,320	3,725	3,984
Domestic	Millions	2,027	1,909	2,471	2,483	2,786	2,950	3,323	3,525
International	Millions	399	332	345	326	347	370	402	459
Revenue passengers enplaned [5]	Millions	169	205	297	319	345	382	419	447
Domestic	Millions	153	189	273	297	321	357	394	416
International	Millions	16	16	24	22	24	25	25	31
Revenue passenger-miles flown [5]	Billions	131.7	162.8	255.2	281.8	305.1	336.4	366.5	404.3
Domestic	Billions	104.1	131.7	200.8	226.9	243.7	270.6	302.1	324.5
International	Billions	27.6	31.1	54.4	54.9	61.4	65.8	64.5	79.8
Available seat-miles	Billions	265.2	303.0	432.5	464.5	515.3	547.8	607.4	648.4
Domestic	Billions	213.2	241.3	346.0	379.2	422.5	445.8	498.0	526.7
International	Billions	52.0	61.7	86.5	85.4	92.8	102.0	109.4	121.8
Passenger load factor	Percent	49.7	53.7	59.0	60.7	59.2	61.4	60.3	62.4
Domestic	Percent	48.9	54.6	58.0	59.8	57.7	60.7	60.7	61.6
International	Percent	53.0	50.4	62.8	64.3	66.2	64.6	58.9	65.6
Revenue passenger-miles per gallon of fuel	Number	13.1	17.1	22.6	26.8	26.6	26.7	26.8	27.9
Domestic	Number	13.3	17.4	21.8	26.5	25.9	26.8	27.1	28.0
International	Number	12.3	16.0	26.0	27.9	29.9	26.4	25.3	27.6
Average passenger-mile rate: [5] [7]									
Domestic	Dollars	.060	.077	.113	.121	.128	.123	.112	.115
International	Dollars	.050	.072	.075	.096	.099	.098	.102	.104
Express and freight revenue, ton-miles flown [5]	Millions	3,515	4,796	5,742	6,092	6,566	6,020	7,344	8,260
Domestic	Millions	2,216	2,747	3,277	3,385	3,565	3,133	3,990	4,339
International	Millions	1,299	2,049	2,465	2,707	3,001	2,887	3,354	3,921
Mail, ton-miles flown [5]	Millions	1,264	1,109	1,342	1,480	1,618	1,659	1,681	1,755
Domestic	Millions	715	683	949	1,065	1,161	1,214	1,247	1,312
International	Millions	549	426	393	415	457	445	434	443
Accidents [8] (scheduled passenger service):									
Total [9]	Number	39	29	15	22	12	17	20	31
Fatal	Number	2	2	-	4	1	4	1	4
Fatalities	Number	3	122	-	15	4	197	-	231

- Represents zero.

[1] The Airline Deregulation Act of 1978 lifted some restrictions on entering new markets. As a result there is no longer a clear distinction between domestic and international operators. Includes all cargo.

[2] Scheduled airlines only. Source: Air Transport Association of America, Washington, DC, *Air Transport Facts and Figures,* annual.

[3] Excludes those used for crew training and general utility purposes, or held for disposal. Beginning 1975, includes aircraft operated by the scheduled all-cargo certificated route air carriers. Beginning in 1986 also includes large aircraft (passenger seating capacity of more than 30 or a payload of more than 7,500 pounds) operated by commuters and air taxis.

[4] Seats per aircraft mile. Passenger seat-miles divided by revenue-miles flown in passenger service.

[5] Scheduled services of all certificated route air carriers; includes all cargo.

[6] Includes all cargo. Beginning 1980 includes very small amount of gasoline.

[7] Passenger revenues divided by revenue passenger-miles flown.

[8] Beginning 1975, includes all scheduled services of U.S. air carriers operating under 14 CFR 121.

[9] Includes mid-air collisions nonfatal to air carrier occupants (excluded in computation of fatal accidents).

Source: Except as noted, U.S. Dept. of Transportation, Federal Aviation Administration and Research and Special Programs Administration, *Air Carrier Traffic Statistics,* monthly and *Air Carrier Financial Statistics,* quarterly. Includes data from U.S. National Transportation Safety Board.

No. 1045. Large Air Traffic Hubs—Summary: 1987

[**In thousands, except number of airports and percent change.** For **calendar year.** Air traffic hubs are cities and standard metropolitan statistical areas requiring aviation services. A large hub is one which enplanes at least one percent of the total enplaned revenue passengers in all services and all operations of U.S. certificated route air carriers]

AREA OR LARGE HUB, **1987**	Air-ports [1]	AIRCRAFT DEPARTURES			REVENUE PASSENGERS ENPLANED		ENPLANED REVENUE TONS		
		Total [2]	Scheduled		Total	Percent change 1980–1987	Total [3]	Freight and express	U.S. mail
			Num-ber	Com-pleted					
All areas	**708**	**6,640.4**	**6,757.3**	**6,566.3**	**448,913.7**	**51.2**	**6,695.0**	**5,073.3**	**1,605.5**
Total, 28 large hubs	45	4,120.2	4,192.4	4,078.8	316,041.6	56.2	4,187.4	3,027.7	1,159.2
Atlanta, GA	1	281.9	286.5	280.9	22,649.4	13.3	254.4	136.3	118.0
Boston, MA	1	116.8	117.8	114.3	10,255.3	49.8	138.9	106.0	32.8
Charlotte, NC	1	93.5	94.7	92.8	6,021.1	306.6	49.1	32.7	16.4
Chicago, IL	3	375.8	389.7	374.3	28,671.3	47.7	438.9	302.3	136.5
Dallas-Ft. Worth, TX	2	266.6	268.9	265.5	22,340.2	74.9	178.9	107.0	71.9
Denver, CO	1	201.2	204.9	199.1	15,593.6	62.2	120.4	68.4	52.0
Detroit/Ann Arbor, MI	2	137.0	140.0	136.7	9,254.5	83.2	92.0	54.8	37.2
Honolulu, HI	1	92.2	99.6	88.3	7,773.3	37.5	164.0	145.2	18.8
Houston, TX	2	160.2	162.1	159.2	10.858.8	59.5	73.8	50.9	22.9
Kansas City, MO	2	65.7	66.5	65.0	4,481.4	70.0	39.5	18.2	21.3
Las Vegas, NV	1	92.7	92.5	89.8	6,836.1	47.7	13.0	7.8	5.2
Los Angeles/Burbank/Long Beach, CA	4	269.2	273.9	266.8	23,219.2	42.1	382.4	315.4	67.0
Memphis, TN	1	107.3	108.7	107.0	5,023.0	133.8	534.3	513.3	21.0
Miami/Ft. Lauderdale, FL	2	149.4	151.4	147.5	13,271.5	20.2	190.4	159.0	31.4
Minneapolis/St. Paul, MN	1	110.1	112.3	109.6	8,310.2	89.5	100.5	53.7	46.7
Newark, NJ	1	136.5	138.4	133.5	11,288.9	168.4	159.8	129.4	30.4
New York, NY	2	201.7	204.1	198.2	21,466.3	22.5	321.4	214.9	106.4
Orlando, FL	1	86.2	86.2	84.6	7,074.7	126.4	28.7	20.5	8.2
Philadelphia, PA/Camden, NJ	1	95.2	97.1	94.5	6,602.7	62.7	97.3	49.8	47.5
Phoenix, AZ	1	128.5	129.3	127.6	8,784.9	159.9	43.2	29.9	13.3
Pittsburgh, PA/Wheeling, WV	2	119.9	121.1	119.2	8,156.0	51.6	41.0	15.0	25.9
St. Louis, MO	1	138.3	140.8	137.2	9,727.2	82.9	91.9	42.6	49.3
Salt Lake City, UT	1	[4] 74.6	75.4	74.4	4,728.6	136.8	44.2	27.7	16.5
San Diego, CA	1	63.2	64.1	62.5	4,901.4	93.2	23.4	15.3	8.1
San Francisco/Oakland, CA	3	192.3	195.7	190.2	15,096.6	46.1	286.3	232.6	53.7
Seattle/Tacoma, WA	2	108.9	110.2	107.7	6,826.5	56.8	140.8	106.2	34.4
Tampa/St. Petersburg/ Clearwater/Lakeland, FL	2	69.0	69.8	68.5	4,799.0	33.3	31.6	19.3	12.3
Washington, DC	2	186.5	190.7	183.7	12,030.0	55.1	107.3	53.4	53.9

[1] Airports serving area or hub. Airports certificated under Federal Aviation Regulation (FAR Part 139) served by scheduled and unscheduled air carriers. [2] Includes completed scheduled and unscheduled. [3] Includes foreign mail, not shown separately. [4] Revised since originally published.

Source: U.S. Federal Aviation Administration, *Airport Activity Statistics,* annual.

No. 1046. Airline Cost Indexes: 1970 to 1987

[Covers U.S. major and national service carriers. Major carriers have operating revenues of $1 billion or more; nationals have operating revenues from $75 million to $1 billion]

ITEM	INDEX (1972=100)									PERCENT DISTRIBUTION OF CASH OPERATING EXPENSES [1]				
	1970	1975	1980	1982	1983	1984	1985	1986	1987	1970	1975	1980	1986	1987
Composite	**87.8**	**142.5**	**262.5**	**304.3**	**309.4**	**312.3**	**313.4**	**293.1**	**299.2**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Labor	82.9	129.8	211.4	249.6	268.6	269.7	277.8	272.1	276.3	45.8	40.7	35.1	36.0	35.0
Interest [2]	99.0	125.0	167.2	188.6	195.5	205.5	198.8	191.2	185.3	3.6	2.7	2.9	3.6	3.4
Fuel	94.3	250.6	770.3	841.8	762.0	729.2	689.6	473.6	477.2	12.8	18.9	29.7	16.3	16.0
Passenger food	97.4	120.8	153.6	162.9	168.9	174.0	167.0	167.7	173.1	3.9	3.4	2.9	3.4	3.5
Advertising and promotion	99.5	102.7	141.5	203.6	207.1	202.9	203.3	210.4	184.2	2.7	1.9	1.7	2.6	2.2
Landing fees	82.2	136.1	192.9	214.4	215.2	217.9	217.6	242.6	262.2	2.2	2.4	1.7	2.0	2.0
Passenger traffic commissions	60.2	154.0	322.8	417.4	445.3	487.4	491.4	499.9	540.4	2.6	3.4	4.8	8.0	8.6
All other	95.5	127.6	184.4	215.2	223.5	231.9	239.2	245.4	252.7	26.4	26.6	21.3	28.1	29.3
	Average Annual Percent Change [3]													
Labor	(NA)	9.4	10.3	8.7	7.6	.4	3.0	−2.1	1.5	(X)	(X)	(X)	(X)	(X)
Interest [2]	(NA)	4.8	6.0	6.2	3.7	5.1	−3.3	−3.8	−3.1	(X)	(X)	(X)	(X)	(X)
Fuel	(NA)	21.6	25.2	4.5	−9.5	−4.3	−5.4	−31.3	.8	(X)	(X)	(X)	(X)	(X)
Passenger food	(NA)	5.0	4.9	3.0	3.7	3.0	−4.0	.4	3.2	(X)	(X)	(X)	(X)	(X)
Advertising and promotion	(NA)	.6	6.6	20.0	1.7	−2.0	.2	3.5	−12.5	(X)	(X)	(X)	(X)	(X)
Landing fees	(NA)	10.6	7.2	5.4	.4	1.3	−.1	11.5	8.1	(X)	(X)	(X)	(X)	(X)
Passenger traffic commissions	(NA)	13.9	16.0	13.7	6.7	9.5	.8	1.7	8.1	(X)	(X)	(X)	(X)	(X)
All other	(NA)	6.0	7.6	8.0	3.9	3.8	3.2	2.6	3.0	(X)	(X)	(X)	(X)	(X)

NA Not available. X Not applicable. [1] Total operating expenses plus interest on long term debt, less depreciation and amortization. [2] Interest on debt. [3] Average change from prior year shown, see Guide to Tabular Presentation.

Source: Air Transport Association of America, Washington, DC, *Air Transport, 1986,* annual; and unpublished data.

No. **1047.** Consumer Complaints Against U.S. Airlines: 1986 to 1988

[Calender year data, except as indicated. See source for data on individual airlines]

COMPLAINT CATEGORY	COMPLAINTS				PERCENT DISTRIBUTION				RANK			
	1986, total	1987		1988, Jan.-June	1986, total	1987		1988, Jan.-June	1986, total	1987		1988, Jan.-June
		Total	Jan.-June			Total	Jan.-June			Total	Jan.-June	
Total	**10,802**	**40,985**	**14,042**	**13,122**	**100.0**	**100.0**	**100.0**	**100.0**	(X)	(X)	(X)	(X)
Flight problems [1]	3,390	18,019	5,566	5,658	31.3	43.9	39.6	43.1	1	1	1	1
Baggage	2,149	7,438	2,820	2,445	19.8	18.1	20.0	18.6	2	2	2	2
Customer service [2]	702	3,888	1,124	1,097	6.4	9.4	8.0	8.3	5	3	4	3
Refunds	1,627	3,313	1,270	1,056	15.0	8.0	9.0	8.0	3	4	3	4
Oversales [3]	849	2,122	854	809	7.8	5.1	6.0	6.1	4	6	6	5
Reservations/ticketing/boarding [4]	687	2,458	876	772	6.3	5.9	6.2	5.8	6	5	5	6
Smoking	311	888	336	325	2.8	2.1	2.3	2.4	8	8	8	7
Fares [5]	468	937	415	258	4.3	2.2	2.9	1.9	7	7	7	8
Advertising	122	344	164	107	1.1	.8	1.1	.8	9	9	9	9
Credit	40	101	42	30	.3	.2	.2	.2	10	10	10	10
Tours	33	90	39	29	.3	.2	.2	.2	11	11	11	11
Other	424	1,387	536	536	3.9	3.3	3.8	4.0	(X)	(X)	(X)	(X)

X Not applicable. [1] Cancellations, delays etc. from schedule. [2] Unhelpful employees, inadequate meals or cabin service, treatment of delayed passengers. [3] All bumping problems, whether or not airline complied with DOT regulations. [4] Errors in reservations and ticketing; problems in making reservations and obtaining tickets. [5] Incorrect or incomplete information about fares, discount fare conditions and availability etc.

Source: U.S. Dept. of Transportation, Office of Consumer Affairs, *Air Travel Consumer Report*, monthly.

No. **1048.** Aircraft Accidents and Hijackings: 1970 to 1987

[For years ending December 31]

ITEM	Unit	1970	1975	1980	1983	1984	1985	1986	1987
Aircraft accidents: [1]									
General aviation [2]	Number	4,712	3,995	3,590	3,075	3,010	2,741	2,581	2,420
Fatal	Number	641	633	618	555	543	498	487	426
Rate per 100,000 aircraft hours flown	Rate	(NA)	2.20	1.69	1.79	1.72	1.62	1.60	1.45
Fatalities	Number	1,310	1,252	1,239	1,064	1,039	952	950	788
Air carrier [3]	Number	55	29	15	22	12	17	20	31
Fatal	Number	8	2	-	4	1	4	1	4
Rate per 1,000,000 aircraft miles flown	Rate	(NA)	.001	-	.001	.0003	.001	.001	.001
Fatalities	Number	146	122	-	15	4	197	1	231
Commuter air carriers [4]	Number	(NA)	48	38	18	22	21	15	35
Fatal	Number	(NA)	12	8	2	7	7	2	10
Rate per 1,000,000 aircraft miles flown	Rate	(NA)	.07	.04	.01	.02	.02	.01	.04
Fatalities	Number	(NA)	28	37	11	48	37	4	58
Air taxis [5]	Number	(NA)	152	171	140	146	152	117	98
Fatal	Number	(NA)	24	46	27	23	35	32	31
Rate per 100,000 aircraft hours flown	Rate	(NA)	.95	1.27	1.05	.75	1.26	1.10	1.07
Fatalities	Number	(NA)	69	105	62	52	76	67	68
Hijacking incidents, worldwide	Number	83	25	40	33	22	35	12	17
U.S. registered aircraft	Number	27	12	22	18	3	4	4	6
Successful [6]	Number	18	4	13	13	2	2	-	1
Foreign-registered aircraft	Number	56	13	18	15	19	31	8	11
Successful [6]	Number	37	3	9	6	16	18	2	5

- Represents zero. NA Not available. [1] Data from National Transportation Safety Board. [2] See text, section 22. [3] Beginning 1975, includes all scheduled service of U.S. Air Carriers operating under 14 CFR 121. [4] All scheduled service of U.S. Air Carriers operating under 14 CFR 135. [5] All nonscheduled service of U.S. Air Carriers operating under 14 CFR 135. [6] Hijacker controls flight and reaches destination or objective.

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual; and unpublished data. Includes data from U.S. Department of Transportation, Research and Special Programs Administration.

No. 1049. COMMUTER/REGIONAL AIRLINE OPERATIONS—SUMMARY: 1979 TO 1987

[Calendar year data. Commuter/regional airlines operate primarily aircraft of predominately 60 passengers or less and 18,000 pounds of payload capacity serving short haul and small community markets. Represents operations within all North America by U.S. regional carriers. Averages are means. For definition of mean, see Guide to Tabular Presentation]

ITEM	Unit	1979	1980	1981	1982	1983	1984	1985	1986	1987
Passenger carriers operating	Number	227	214	246	215	196	203	179	179	19
Passengers enplaned	Millions	14.0	14.8	15.4	18.6	21.8	26.1	[1] 26.0	28.4	31.8
Average passengers enplaned per carrier	1,000	61.7	69.2	62.6	86.5	111.2	128.1	152.4	158.4	187.7
Revenue passenger miles (RPM)	Billions	1.72	1.92	2.09	2.61	3.24	4.17	[1] 4.41	4.47	5.0
Average RPMs per carrier	Millions	7.58	8.97	8.50	12.14	16.53	20.46	[1] 24.64	24.98	29.8
Airports served	Number	746	732	766	817	854	853	854	824	83
Average trip length	Miles	123	129	136	141	149	160	173	158	15
Passenger aircraft operated	Number	1,265	1,339	1,463	1,573	1,545	1,747	1,745	1,806	1,841
Average seating capacity (seats)	Number	12.5	13.9	15.1	15.6	18.1	18.4	19.2	18.4	19.7
Fleet flying hours	1,000	1,390	1,740	1,994	2,160	2,415	2,764	2,854	2,929	2,942
Average annual utilization aircraft	Hours	1,193	1,299	1,363	1,373	1,563	1,582	1,635	1,622	1,59

[1] Adjusted to exclude a merger in 1986.

Source: Regional Airline Association, Washington, DC, *1988 Annual Report of the Regional Airline Industry* (copyright

No. 1050. CIVIL FLYING—SUMMARY: 1970 TO 1987

[As of Dec. 31 or for years ending Dec. 31, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series Q 604-623]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Airports in operation [1]	Number	11,261	13,251	15,161	15,831	16,029	16,075	16,318	16,582	17,015
Heliports	Number	790	1,524	2,336	2,712	2,918	2,980	3,120	3,336	3,65
Public	Number	4,260	4,573	4,814	4,805	4,812	4,806	5,861	4,924	4,96
Private	Number	7,001	8,678	10,347	11,026	11,217	11,269	10,457	11,658	12,031
Airports with runway lights	Number	3,554	4,171	4,738	4,844	4,878	4,889	4,941	4,954	4,92
Airports with paved runways	Number	3,805	4,865	5,833	6,223	5,441	6,529	6,721	6,948	7,22
Miles of Federal airways	1,000	324.7	403.9	411.1	366.2	364.4	364.8	368.5	332.0	332.9
Airport Improvement Program [2]	Mil. dol	50.5	339.9	639.0	407.1	721.5	733.3	842.1	1,615.3	919.4
Total civil aircraft	1,000	154.5	196.3	259.4	259.0	264.9	271.5	274.9	275.7	275.1
Active aircraft [3]	1,000	134.5	171.2	214.8	214.0	217.5	225.3	215.4	224.9	(NA)
Air carriers, total [4]	1,000	2.8	2.5	3.8	4.2	4.2	4.4	4.7	4.9	5.2
General aviation aircraft [5]	1,000	131.7	168.5	211.0	209.8	213.3	220.9	210.7	220.0	(NA)
Fixed-wing aircraft:										
Multi-engine	1,000	18.4	24.6	31.7	33.2	34.5	35.6	33.6	34.3	(NA)
Single-engine:										
4-place and over	1,000	64.6	82.6	107.9	106.5	107.2	109.9	105.6	109.4	(NA)
3-place and less	1,000	44.9	54.4	60.5	57.7	59.2	62.0	58.8	62.4	(NA)
Rotorcraft [6]	1,000	2.2	4.1	6.0	6.2	6.5	7.1	6.4	6.9	(NA)
Balloons, blimps, gliders, etc	1,000	1.6	2.8	5.0	6.2	5.9	6.3	6.3	7.0	(NA)
Airman certificates held	1,000	1,002	1,028	1,195	1,133	1,131	1,149	1,105	1,119	1,12
Pilot [7]	1,000	733	728	827	733	718	722	710	709	70
Held by women	Percent	4.0	5.2	6.4	6.2	6.1	6.1	6.1	6.1	6.
Airline transport	1,000	34	43	70	73	75	79	83	87	9
Commercial	1,000	187	189	183	165	159	155	152	148	14
Private	1,000	304	306	357	322	319	320	311	306	30
Student	1,000	196	177	200	156	147	150	147	150	14
Nonpilot [8]	1,000	269	300	368	400	413	427	395	410	42
Ground technicians [9]	1,000	241	271	321	352	365	376	341	353	37
FAA employees: Total	Number	(NA)	56,732	55,340	46,897	46,993	47,178	47,245	46,809	46,51
Air traffic control specialists [10]	Number	(NA)	26,790	27,190	22,072	22,638	23,234	23,580	23,515	23,28
Full performance [11]	Number	(NA)	(NA)	16,317	9,078	15,458	11,031	11,672	12,533	11,54
Developmental [11]	Number	(NA)	(NA)	4,387	6,246		4,848	4,304	3,976	4,74
Assistants [11]	Number	(X)	(X)	(X)	1,166	1,367	1,475	1,465	1,479	1,40
Traffic management coordinators [12]	Number	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	25
Electronic technicians	Number	(NA)	9,149	8,871	8,031	7,633	7,229	6,856	6,600	6,74
Aviation safety inspectors	Number	(NA)	2,062	2,038	1,835	1,805	1,945	1,897	2,204	2,34
Engineers	Number	(NA)	2,597	2,436	2,238	2,313	2,419	2,457	2,417	2,44
Other	Number	(NA)	16,114	14,805	12,721	12,604	12,351	12,455	12,073	11,70
General aviation: [5]										
Hours flown	Million	26.0	32.0	41.0	36.5	35.2	36.1	34.1	34.4	(NA)
Fuel consumed: [13]										
Gasoline	Mil. gal	362	397	520	448	428	462	420	410	(NA)
Jet fuel [14]	Mil. gal	415	510	766	887	613	739	691	732	(NA)

NA Not available. X Not applicable. [1] Existing airports, heliports, seaplane bases, etc. recorded with FAA. Includ military airports with joint civil and military use. Includes U.S. outlying areas. Airport-type definitions: Public—publicly owned a under control of a public agency; private—owned by a private individual or corporation. May or may not be open for public u

[2] Fiscal year data. Does not include System Planning Grants. Includes U.S. outlying areas. 1970–1982 data are obligated Fede funds for the Airport Development Aid Program. 1983–1987 data are appropriated Federal funds under the Airport and Airw Improvement Act of 1982. [3] Registered aircraft that flew 1 or more hours during the year. [4] Includes helicopters. [5] Se text, section 22. [6] Includes autogyros; excludes air carrier helicopters. [7] Includes all active pilots. An active pilot is one w a pilot certificate and a valid medical certificate. Also includes pilots who hold only a helicopter, glider, or lighter than air certifica not shown separately. [8] Includes dispatchers, flight navigators and engineers, and ground technicians—mechanics, parachu riggers, and ground instructors. [9] No medical examinations are required, therefore, data represent all certificates on record a include retired or otherwise inactive technicians. [10] Includes all air traffic control specialists (staff positions, manage supervisors, and for 1970–1986 traffic management coordinators, not shown separately) and air traffic assistants. Beginning 1987, includes full-time permanent only. [11] Serving in-flight service stations, towers, and centers. [12] Prior to 1987, included total air traffic control specialists. [13] Source: 1970 and 1975, U.S. Bureau of Mines; 1980–1986 FAA General Aviation Activ and Avionics Survey. [14] Includes kerosene-type and naphtha-type jet fuels.

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual; and unpublished data. Includes da from U.S. Department of Transportation, Research and Special Programs Administration.

No. 1051. U.S. Aircraft Shipments: 1970 to 1989

[Value in millions of dollars]

YEAR	TOTAL		CIVIL						MILITARY	
			Large transports [1]		General aviation [2]		Helicopters			
	Units	Value	Units	Value	Units	Value	Units	Value	Units	Value
1970	11,632	7,511	311	3,158	7,292	337	495	49	3,534	3,967
1975	16,918	9,355	285	4,006	14,056	1,033	838	266	1,739	4,050
1980	14,660	18,845	383	9,793	11,877	2,486	1,353	674	1,047	5,892
1981	11,860	20,157	388	9,731	9,457	2,920	953	636	1,062	6,870
1982	6,248	19,266	236	6,254	4,266	2,000	587	365	1,159	10,647
1983	4,409	23,012	262	8,493	2,691	1,470	403	303	1,053	12,746
1984	3,931	22,570	188	6,343	2,431	1,681	376	330	936	14,216
1985	3,597	28,988	273	9,051	2,029	1,431	376	505	919	18,001
1986	3,264	34,981	329	10,643	1,495	1,262	330	288	1,110	22,788
1987	2,959	35,612	361	10,585	1,085	1,364	358	277	1,155	23,386
1988 [3]	2,927	37,180	422	13,800	1,110	1,420	335	260	1,060	21,700
1989 [4]	2,945	37,980	445	16,500	1,190	1,570	380	310	930	19,600

[1] Capacity over 70 seats. [2] Includes aircraft kits for exports. [3] Estimated. [4] Forecast.

Source: U.S. Department of Commerce, International Trade Administration, *U.S. Industrial Outlook, 1989.*

No. 1052. Employment and Earnings in Aircraft Industries: 1970 to 1987

[Annual averages of monthly figures]

SIC [1] code	ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
	Employment:										
(x)	**Total**	**1,000**	**864**	**607**	**763**	**732**	**720**	**746**	**814**	**878**	**906**
3721	Aircraft	1,000	371	293	349	320	305	306	326	339	357
3724	Aircraft engines and engine parts	1,000	(NA)	126	163	149	140	140	148	154	157
3728	Aircraft equipment, n.e.c.[2]	1,000	(NA)	95	140	132	134	146	163	185	188
376	Guided missiles, space vehicles, and parts	1,000	(NA)	93	111	131	141	154	177	200	204
(x)	Average weekly earnings: [3]										
3721	Aircraft	Dollars	169	256	404	485	(NA)	(NA)	(NA)	(NA)	(NA)
3724	Aircraft engines and parts	Dollars	(NA)	247	394	454	476	523	542	561	567
376	Guided missiles, space vehicles, and parts	Dollars	(NA)	245	378	447	480	496	518	517	536
(x)	Average hourly earnings: [3]										
3721	Aircraft	Dollars	4.17	6.21	9.66	11.85	(NA)	[4] 12.91	[4] 13.18	[4] 13.48	[4] 13.74
3724	Aircraft engines and parts	Dollars	(NA)	6.04	9.42	11.16	11.61	12.40	12.85	13.08	13.33
376	Guided missiles, space vehicles, and parts	Dollars	(NA)	6.02	9.22	10.95	11.59	11.82	12.14	12.20	12.60

NA Not available. X Not applicable. [1] Standard Industrial Classification; see text, section 13. [2] N.e.c.=Not elsewhere classified. [3] For production workers. [4] Excludes lump-sum payments. Earnings which include proration of lump-sum payments were $13.11 in 1984; $13.40 in 1985; $13.80 in 1986; and $14.32 in 1987.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly.

No. 1053. Aerospace Industry—Summary: 1975 to 1989

[For calendar year, except employment and earnings annual averages of monthly figures. Includes Standard Industrial Classification Codes 372 and 376. Industry shipments refer to the total value of all products shipped by establishments classified in that industry. Product shipments refer to the total value of specific products shipped, irrespective of how the establishments which made them are classified]

ITEM	Unit	1975	1980	1982	1983	1984	1985	1986	1987	1988 [1]	1989 [2]
INDUSTRY DATA											
Value of shipments	Mil. dol.	29,055	58,483	66,466	74,823	77,826	90,795	100,999	109,713	116,560	123,368
In 1982 dollars	Mil. dol.	58,283	71,696	66,466	70,876	71,542	82,490	91,336	100,545	103,144	104,429
Employment, total	1,000	586	721	685	690	693	746	798	834	849	861
Production workers	1,000	312	387	349	341	344	372	400	421	426	432
Average hourly earnings	Dol	6.53	9.90	12.23	13.08	13.24	13.88	14.37	14.75	15.17	(NA)
Capital expenditures	Mil. dol.	478	1,923	2,143	2,158	3,050	3,784	4,144	(NA)	(NA)	(NA)
PRODUCT DATA											
Value of shipments	Mil. dol.	26,834	53,296	60,024	66,229	70,200	80,625	90,907	98,140	104,303	110,171
In 1982 dollars	Mil. dol.	54,316	65,479	60,024	62,631	64,400	73,366	82,236	90,367	92,694	93,639

NA Not available. [1] Estimated. [2] Forecast.

Source: U.S. Department of Commerce, International Trade Administration, *U.S. Industrial Outlook, 1989.*

No. 1054. Aerospace—Sales, New Orders, and Backlog: 1970 to 1987

[**In billions of dollars, except as indicated.** Reported by establishments in which the principal business is the development and/or production of aerospace products]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Net sales	24.8	29.5	58.4	69.9	75.5	83.5	88.9	100.5	105.6
Percent of U.S. Government	56.3	58.7	45.6	47.2	56.9	58.8	62.7	63.2	61.9
Complete aircraft and parts [1]	10.4	11.3	22.6	25.1	23.2	27.3	28.3	34.2	38.0
Aircraft engines and parts	3.1	3.4	6.9	8.5	8.7	8.8	9.1	9.7	9.8
Missiles and space vehicles, parts	5.4	6.3	8.4	4.7	5.7	12.7	13.6	16.7	17.5
Other products, services	5.9	8.5	20.5	31.6	37.9	34.8	38.0	39.8	40.3
Net, new orders	21.2	29.0	70.4	72.7	84.9	91.6	104.9	111.0	118.8
Backlog, Dec. 31	24.7	35.0	90.5	93.4	103.5	116.6	132.5	143.0	146.2

[1] Except engines sold separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports,* series MA-37D.

No. 1055. Aerospace Industry Sales, by Product Group and Customer: 1970 to 1987

[**In billions of dollars.** Due to reporting practices and tabulating methods, figures may differ from those in table 1054]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS [2]				
	1970	1975	1980	1985	1986	1987 [1]	1970	1975	1980	1985	1986
Total sales	**25.6**	**29.7**	**54.7**	**96.6**	**106.2**	**112.0**	**69.7**	**56.0**	**68.1**	**86.3**	**93.4**
PRODUCT GROUP											
Aircraft, total	14.1	16.4	31.5	50.5	56.4	59.7	38.5	31.0	39.2	45.1	49.6
Civil [3]	4.4	6.5	16.3	13.7	15.7	16.5	12.0	12.2	20.3	12.3	13.8
Military	9.7	10.0	15.2	36.8	40.7	43.2	26.5	18.8	18.9	32.8	35.8
Missiles	4.1	3.8	6.5	11.4	12.0	10.6	11.2	7.1	8.1	10.2	10.5
Space	4.7	4.7	7.9	18.6	20.1	23.1	12.9	8.8	9.9	16.6	17.7
Related products and services [4]	2.6	4.8	8.8	16.1	17.7	18.7	7.1	9.1	10.9	14.4	15.6
CUSTOMER GROUP											
Aerospace, total	22.9	24.9	45.9	80.5	88.5	93.4	62.6	47.0	57.1	71.9	77.8
DOD [5]	14.6	13.1	22.8	53.2	59.2	60.3	39.9	24.8	28.4	47.5	52.0
NASA [6] and other agencies	3.0	2.8	4.1	6.3	6.2	7.1	8.2	5.3	5.1	5.6	5.5
Other customers [7]	5.3	8.9	19.0	21.0	23.1	26.0	14.5	16.9	23.6	18.8	20.3
Related products and services [4]	2.6	4.8	8.8	16.1	17.7	18.7	7.1	9.1	10.9	14.4	15.6

[1] Preliminary. [2] Based on aerospace composite price deflator supplied by the U.S. International Trade Administration. [3] All civil sales of aircraft (domestic and export sales of jet transports, commuters, business and personal aircraft and helicopters). [4] Electronics, software, and ground support equipment, plus sales of non-aerospace products which are produced by aerospace-manufacturing establishments and which use technology, processes, and materials derived from aerospace products. [5] Department of Defense. [6] National Aeronautics and Space Administration. [7] Includes civil aircraft sales (see footnote 3), commercial space sales, all exports of military aircraft and missiles and related propulsion and parts.

Source: Aerospace Industries Association of America, Inc., Washington, DC, *Aerospace Facts and Figures, 1988/89.*

No. 1056. U.S. Exports of Aerospace Vehicles and Equipment: 1980 to 1989

ITEM	NUMBER OF UNITS					VALUE (mil. dol.)			
	1980	1985	1987	1988 [1]	1989 [2]	1980	1985	1987	1988 [1]
Aerospace vehicles and equipment, total	(NA)	(NA)	(NA)	(NA)	(NA)	**15,651**	**18,726**	**23,452**	**26,136**
Civil aircraft, total	4,434	1,050	1,812	2,292	2,153	8,378	6,694	7,518	10,616
Under 10,000 lbs. empty weight, new	3,150	465	473	486	495	657	147	254	236
10,000-33,000 lbs. empty weight, new	28	19	15	18	20	83	44	42	50
Over 33,000 lbs. empty weight, new	237	152	170	234	248	6,849	5,518	6,377	9,420
Rotary wing, new	525	137	240	254	240	298	210	200	180
Other new aircraft, n.e.c. [3]	(NA)	(NA)	(NA)	(NA)	(NA)	5	442	141	200
Used, rebuilt, and converted	494	277	914	1,300	1,150	486	333	504	530
Military aircraft, total	502	322	485	525	480	949	2,012	3,587	2,190
Aircraft engines and parts, total	(NA)	(NA)	(NA)	(NA)	(NA)	1,887	3,283	4,396	4,960
Internal combustion and parts	(NA)	(NA)	(NA)	(NA)	(NA)	270	303	352	373
Military, new and used	110	72	249	300	330	4	2	4	5
Non military, new	1,848	984	1,228	1,955	1,900	25	20	28	31
Non-military, used	1,366	1,402	1,822	2,250	2,300	17	24	25	32
Parts, n.e.c. [3]	(NA)	(NA)	(NA)	(NA)	(NA)	224	257	295	305
Turbines and parts	(NA)	(NA)	(NA)	(NA)	(NA)	1,616	2,980	4,044	4,587
Military, new or used	254	244	183	215	225	59	144	157	202
Non-military, new and used	1,383	2,317	1,648	2,010	2,250	514	880	1,165	1,480
Parts, n.e.c. [3]	(NA)	(NA)	(NA)	(NA)	(NA)	1,044	1,956	2,722	2,905
Missile engines and parts	(NA)	(NA)	(NA)	(NA)	(NA)	29	34	38	46
Propellers and parts	(NA)	(NA)	(NA)	(NA)	(NA)	57	55	47	68
Landing gear and parts	(NA)	(NA)	(NA)	(NA)	(NA)	92	102	131	126
Aircraft parts and accessories, n.e.c. [3]	(NA)	(NA)	(NA)	(NA)	(NA)	3,436	5,449	6,497	6,910
Guided missiles and space vehicles	(NA)	(NA)	(NA)	(NA)	(NA)	327	404	353	308
Flight simulators	(NA)	(NA)	(NA)	(NA)	(NA)	54	82	107	110
Space vehicle equipment, n.e.c. [3]	(NA)	(NA)	(NA)	(NA)	(NA)	382	397	457	470
Avionics	(NA)	(NA)	(NA)	(NA)	(NA)	60	224	323	361

NA Not available. [1] Estimated. [2] Forecast. [3] N.e.c.—Not elsewhere classified.

Source: U.S. Dept. of Commerce, International Trade Administration, *U.S. Industrial Outlook,* annual.

No. 1057. U.S. Receipts and Payments for International Transportation: 1970 to 1987

[In millions of dollars. Data are international transportation transactions recorded for balance of payment purposes (see table 1390). Receipts include freight on exports carried by U.S.-operated carriers and foreign carrier expenditures in U.S. ports. Payments include freight on imports carried by foreign carriers and U.S. carrier port expenditures abroad. Freight on exports carried by foreign carriers is excluded since such payments are directly or indirectly for foreign account. Similarly, freight on U.S. imports carried by U.S. carriers is a domestic rather than an international transaction. Minus sign (−) indicates excess of payments over receipts. See *Historical Statistics, Colonial Times to 1970*, series U 3 and U 10, for totals]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total receipts	**3,669**	**6,879**	**14,208**	**15,671**	**15,491**	**16,200**	**17,435**	**18,322**	**19,633**	**22,382**
Ocean transportation	2,256	4,065	7,757	8,028	7,685	8,133	8,849	8,846	9,109	10,040
Export freight earnings	604	1,183	2,641	2,803	2,549	2,881	2,702	2,866	2,610	2,806
Freight earnings on shipments between foreign countries	209	328	588	561	555	575	563	574	578	595
Port expenditures	1,406	2,481	4,435	4,552	4,468	4,562	5,457	5,274	5,843	6,494
Charter hire	37	73	93	112	113	115	127	132	140	145
Air transportation	1,240	2,515	5,946	7,160	7,326	7,596	8,071	8,995	9,595	11,434
Export freight earnings	187	390	742	752	762	576	645	706	783	982
Passenger fares	541	1,039	2,591	3,111	3,174	3,610	3,626	3,648	4,175	5,398
Port expenditures	512	1,086	2,613	3,297	3,390	3,410	3,800	4,641	4,637	5,054
Other transportation	173	299	505	483	480	471	515	481	929	908
Total payments	**4,058**	**7,971**	**15,397**	**16,961**	**16,482**	**18,225**	**21,876**	**23,528**	**24,189**	**26,945**
Ocean transportation	2,380	4,465	8,447	8,900	8,307	8,624	10,544	11,018	11,619	11,777
Import freight payments	1,444	3,047	5,809	6,073	5,562	5,827	7,755	8,114	8,636	8,852
Passenger fares	245	278	268	287	290	305	305	320	320	328
Port expenditures	316	755	1,905	2,054	1,957	1,980	1,872	2,048	2,125	2,047
Charter hire	375	385	465	486	498	512	612	536	538	550
Air transportation	1,581	3,346	6,705	7,785	7,938	9,361	11,089	12,284	12,281	14,862
Import freight payments	115	246	562	671	725	1,068	1,633	1,686	2,051	2,242
Passenger fares	970	1,985	3,339	4,200	4,482	5,696	6,744	7,505	7,154	8,457
Port expenditures	496	1,115	2,804	2,914	2,731	2,597	2,712	3,053	3,076	4,163
Other transportation	97	160	245	276	237	240	243	226	289	306
Balance	**−389**	**−1,092**	**−1,189**	**−1,290**	**−991**	**−2,025**	**−4,441**	**−5,206**	**−4,556**	**−4,563**

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June issues, and unpublished data.

No. 1058. Exports and Imports, by Method of Transport: 1970 to 1987

[Exports are free alongside ship (f.a.s.) value (see text, section 29) for all years; imports are f.a.s. value for 1975 and 1980 and customs value for other years. Export data include both domestic and foreign; import data for general imports only. For details, see source]

ITEM	Unit	EXPORTS						IMPORTS					
		1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1986	1987
All methods [1]	Bil. dol.	43.2	107.6	220.7	213.1	227.2	254.1	40.0	96.9	240.8	345.3	365.4	406.2
Vessel	Bil. dol.	24.6	63.4	120.9	91.7	90.1	98.3	24.8	63.5	165.1	206.4	221.6	244.0
Air	Bil. dol.	6.1	15.2	46.1	52.3	63.4	69.0	3.4	8.9	26.0	51.3	62.0	67.0
Shipping weight: Vessel	Bil. lb.	480.5	538.5	801.6	700.5	653.3	708.6	596.4	855.3	976.8	797.0	914.2	938.0
Air	Bil. lb.	.5	1.4	2.3	1.8	2.1	2.4	.6	1.1	1.3	2.9	2.8	3.1

[1] Includes types other than vessel and air and revisions that are not distributed by method of transport.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

No. 1059. Federal Expenditures for Civil Functions of the Corps of Engineers, United States Army: 1960 to 1987

[In millions of dollars. For fiscal years ending in year shown, see text, section 9. These expenditures represent the work of the Corps of Engineers to plan, design, construct, operate, and maintain civil works projects and activities, particularly in the management and improvement of rivers, harbors, and waterways for navigation, flood control, and multiple purposes. The amounts listed below do not include the expenditure of funds contributed, advanced, or reimbursed by other government agencies or local interests. Includes Puerto Rico and outlying areas]

FISCAL YEAR	Total program [1]	Navigation	Flood control	Multiple purpose	FISCAL YEAR	Total program [1]	Navigation	Flood control	Multiple purpose
1960	873	310	293	270	1981	3,198	1,339	1,273	527
1965	1,169	426	447	283	1982	2,940	1,331	1,083	453
1970	1,128	396	379	331	1983	2,959	1,290	1,086	482
1975	2,070	684	904	439	1984	3,085	1,383	1,154	445
1977	2,340	792	916	504	1985	2,956	1,234	1,187	419
1978	2,645	951	1,069	583	1986	3,163	1,345	1,300	402
1979	2,934	1,083	1,218	577	1987	2,937	1,135	1,272	411
1980	3,061	1,225	1,228	551					

[1] Includes expenditures which are not associated with a specific purpose (e.g., headquarters staff supervision, management, and administration activities, and some research and development activities).

Source: U.S. Army Corps of Engineers, *Report of Civil Works Expenditures by State and Fiscal Year*, annual.

NO. 1060. FREIGHT CARRIED ON INLAND WATERWAYS, BY SYSTEM: 1960 TO 1986

[**In billions of ton-miles.** Excludes Alaska and Hawaii, except as noted. Includes waterways, canals, and connecting channe

SYSTEM	1960	1970	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	**220.3**	**318.6**	**368.3**	**409.3**	**424.6**	**406.9**	**410.2**	**351.2**	**359.0**	**399.0**	**381.7**
Atlantic coast waterways	28.5	28.6	30.4	30.5	31.9	30.4	28.3	25.4	22.5	24.7	24.8
Gulf coast waterways	16.9	28.6	37.6	37.1	38.1	36.6	35.1	31.8	32.4	36.7	36.5
Pacific coast waterways[1]	6.0	8.4	12.8	13.6	14.1	14.9	14.4	12.8	13.2	20.5	19.9
Mississippi River system[2]	69.3	138.5	196.9	209.3	218.8	228.9	234.4	218.0	223.0	234.6	224.7
Great Lakes System[3]	99.5	114.5	90.7	118.9	121.7	96.0	98.0	63.2	67.9	82.5	75.8

[1] Includes Alaskan waterways. [2] Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Rivers. [3] Does not include traffic between foreign ports.

Source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*, annual.

NO. 1061. WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE AND VALUE, BY COASTAL DISTRICT: 1970 TO 1987

[Exports are free alongside ship (f.a.s.) value for all years; imports are f.a.s. value for 1975 and 1980 and customs value for o years see text, section 29. Includes commodities classified for security reasons as "Special Category" (exports only) and ex by Dept. of Defense (grant-aid shipments), and merchandise shipped in transit through the U.S. See Appendix III]

DISTRICT	CARGO TONNAGE (mil. sh. tons)							VALUE (bil. dol.)					
	1970	1975	1980	1984	1985	1986	1987	1970	1975	1980	1984	1985	1986
Imports:													
Atlantic	219	232	183	187	190	216	224	15.0	34.7	71.5	92.6	94.4	87.5
Gulf	47	134	243	155	141	171	184	2.9	14.3	56.4	35.7	32.8	27.0
Pacific	31	64	56	47	51	53	56	5.5	15.2	45.0	70.6	90.4	104.0
Great Lakes	26	22	16	18	17	14	14	1.3	1.7	1.9	2.7	2.8	2.3
Exports:													
Atlantic	79	80	117	82	93	83	78	11.9	28.7	51.0	37.5	35.2	38.3
Gulf	78	106	163	167	144	135	155	6.9	21.4	41.5	37.3	31.8	29.0
Pacific	48	49	78	86	81	82	95	4.1	10.0	25.2	27.2	25.8	26.3
Great Lakes	36	35	45	41	34	32	32	1.4	2.6	4.6	3.4	2.4	1.9

Source: U.S. Bureau of the Census, *U.S. Waterborne Exports and General Imports*, FT 985, annual.

NO. 1062. DOMESTIC AND FOREIGN WATERBORNE COMMERCE, BY TYPE OF COMMODITY: 1970 TO 1986

[**In millions of short tons.** Domestic trade includes all commercial movements between U.S. ports and on inland rivers, Lakes, canals, and connecting channels of U.S., Puerto Rico, and Virgin Islands. Figures may differ from those shown in 1061 due to minor differences in basic concepts]

COMMODITY	1970		1980		1985		1986		
	Total	Domestic	Total	Domestic	Total	Domestic	Total	Domestic	Foreig
									Imports
Net total	**1,531.7**	**950.7**	**1,998.9**	**1,077.5**	**1,788.4**	**1,014.1**	**1,874.4**	**1,037.2**	**486.1**
Petroleum products[1]	394.7	287.3	423.2	339.2	368.8	259.0	402.7	270.6	91.7
Gasoline	89.3	88.7	87.3	81.0	94.0	78.0	96.0	76.9	17.2
Distillate fuel oil	78.8	75.9	74.6	72.1	70.0	55.0	78.1	59.6	12.6
Residual fuel oil	170.5	78.8	188.0	141.3	130.0	83.7	142.5	88.9	43.6
Crude petroleum	210.5	116.3	480.2	174.2	357.7	194.7	412.9	196.2	216.7
Coal and lignite	225.4	154.1	256.4	164.1	273.9	179.9	283.0	196.7	1.9
Nonmetallic minerals[1] [2]	166.6	132.6	157.1	111.6	150.7	108.5	149.9	108.1	22.0
Sand and gravel[3]	78.4	73.9	65.1	60.8	66.4	62.0	68.0	63.6	2.8
Limestone	42.0	34.1	34.2	23.9	24.5	21.9	25.0	21.6	.7
Phosphate rock	16.6	5.8	23.7	9.5	19.4	8.4	16.5	7.9	.5
Iron and concentrates	129.3	75.2	98.4	64.9	72.7	50.0	67.0	43.7	18.3
Farm products[1]	90.4	28.5	216.8	63.4	172.8	60.0	152.7	54.6	6.5
Corn	27.2	11.7	98.6	30.8	76.3	29.0	50.1	21.1	.1
Wheat	25.0	5.8	53.4	14.3	38.0	10.6	37.4	10.2	.1
Soybeans	21.2	8.3	39.6	16.1	32.9	14.9	41.0	18.1	-
Chemicals and allied products	62.0	39.7	91.9	49.4	108.5	53.3	113.3	57.9	28.6
Food and kindred products	35.0	11.0	54.8	20.4	52.5	17.6	58.1	20.0	13.4
Lumber and wood products[4]	49.9	27.3	52.0	22.7	47.2	18.8	51.3	22.8	4.9
Primary metal products	42.4	10.8	28.9	9.0	33.4	8.5	30.3	8.4	20.5
Waste and scrap	25.9	16.0	31.1	18.8	37.4	23.9	39.0	23.1	.7
Other	99.7	51.9	108.1	39.6	112.8	40.0	113.3	34.9	62.9

- Represents zero. [1] Includes categories not shown separately. [2] Excludes fuels. [3] Includes crushed roc [4] Excludes furniture.

Source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*, annual.

No. 1063. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY FLAG OF CARRIER VESSEL: 1961 TO 1987

[In millions of net tons, except as indicated. Includes Puerto Rico and Virgin Islands. Seaports comprise all ports except Great Lakes ports. See also *Historical Statistics, Colonial Times to 1970,* series Q 507-517]

YEARLY AVERAGE OR YEAR	ALL PORTS					SEAPORTS					
	Number of vessels	Tonnage, all vessels				Tonnage, all vessels			Tonnage, with cargo		
		Total	U.S.	Percent U.S.	Foreign	Total	U.S.	Foreign	Total	U.S.	Foreign
Entered:											
1961-1965	48,870	188	33	17.9	155	166	30	136	128	19	109
1966-1970	53,459	232	29	12.5	203	206	27	180	157	18	139
1971-1975	53,760	319	30	9.5	290	292	28	264	220	24	196
1976-1980	53,700	456	40	8.7	416	425	38	387	316	30	286
1981-1985	50,124	452	57	12.4	395	424	55	369	277	36	241
1970	53,293	254	26	10.3	228	227	24	202	171	19	152
1975	51,443	355	32	9.9	323	326	30	297	240	26	215
1980	53,645	492	52	10.6	440	460	50	410	310	34	276
1984	49,239	459	53	11.5	406	429	51	378	291	33	258
1985	53,531	451	53	11.7	398	426	52	374	283	34	249
1986	56,859	489	49	10.0	439	463	48	415	310	32	278
1987	59,563	518	48	9.3	470	492	47	445	333	29	304
Cleared:											
1961-1965	48,098	189	34	17.9	155	168	30	137	96	20	76
1966-1970	52,415	232	30	12.8	202	206	27	179	122	23	99
1971-1975	53,039	324	31	9.9	293	296	29	267	149	21	127
1976-1980	52,931	453	41	9.1	412	420	38	382	203	26	177
1981-1985	50,291	460	57	12.4	403	432	55	377	251	34	217
1970	52,195	253	27	10.6	226	226	25	201	132	20	112
1975	51,017	363	34	10.3	329	334	31	303	168	23	144
1980	52,928	487	54	11.1	433	456	51	405	246	33	213
1984	49,819	468	54	11.5	414	438	51	387	250	32	218
1985	53,095	461	55	11.9	406	435	53	382	253	36	217
1986	55,710	491	51	10.4	441	466	49	417	248	33	212
1987	58,307	521	49	9.4	472	495	48	447	269	31	238

Source: U.S. Bureau of the Census, through 1965, *Foreign Commerce and Navigation of the United States;* thereafter, *Vessel Entrances and Clearances,* FT 975, annual.

No. 1064. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY COASTAL DISTRICTS: 1970 TO 1987

[In millions of net tons. Excludes domestic trade. Virgin Islands and Puerto Rico included in South Atlantic Coast, Hawaii in South Pacific Coast, Alaska in North Pacific Coast]

COASTAL DISTRICT	VESSELS ENTERED							VESSELS CLEARED						
	1970	1975	1980	1984	1985	1986	1987	1970	1975	1980	1984	1985	1986	1987
North Atlantic Coast	102.1	114.2	118.6	116.2	114.5	121.4	119.2	99.9	116.6	115.2	107.0	110.8	116.2	109.6
With cargo	85.4	92.3	82.1	93.4	85.9	89.9	100.2	43.7	50.6	57.8	47.1	52.7	47.8	45.4
South Atlantic Coast	36.1	48.0	65.3	63.8	68.2	77.6	85.8	31.3	46.0	60.1	62.7	63.3	70.3	80.5
With cargo	27.1	33.8	41.9	42.7	44.3	44.0	47.4	11.9	14.3	22.4	24.6	25.6	25.9	26.1
Gulf Coast	36.1	89.1	172.7	138.5	127.4	146.6	162.7	42.8	96.1	175.0	144.6	134.9	153.1	167.3
With cargo	23.0	60.8	122.8	91.5	84.6	103.1	112.6	36.8	54.2	85.0	79.1	73.5	73.4	83.0
South Pacific Coast	27.5	38.4	53.3	60.9	65.4	66.1	67.6	27.7	41.2	45.1	58.8	59.4	60.8	63.5
With cargo	21.8	32.4	36.0	41.0	44.0	45.2	45.4	20.9	24.0	31.7	44.9	45.0	44.3	49.7
North Pacific Coast	24.9	36.8	50.6	49.5	50.0	51.4	56.9	24.3	33.8	60.3	64.8	66.7	65.8	73.5
With cargo	13.6	21.1	26.6	22.1	23.7	27.8	27.3	19.0	24.5	49.0	54.7	56.0	54.1	62.9
Great Lakes	27.5	28.8	31.1	30.1	26.3	25.4	26.4	27.2	29.4	31.5	30.0	26.1	25.1	26.5
With cargo	15.2	14.0	11.3	13.5	11.6	11.7	11.6	20.2	21.2	23.7	23.1	20.7	19.8	20.5

Source: U.S. Bureau of the Census, *Vessel Entrances and Clearances,* FT 975, annual.

No. 1065. DOMESTIC MERCHANT VESSELS COMPLETED BY U.S. SHIPYARDS: 1970 TO 1986

[**Vessels of 1,000 gross tons and over.** See also *Historical Statistics, Colonial Times to 1970,* series Q 438-448]

TYPE	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Merchant vessels	Number	13	15	17	14	15	10	12	11	13	5	8	5
Gross tons	1,000	342	452	884	912	1,149	375	275	337	376	118	172	215
Cargo	Number	6	3	2	2	4	6	2	6	6	-	4	2
Gross tons	1,000	120	65	25	27	53	105	53	221	228	-	113	66
Deadweight tons	1,000	134	71	37	30	47	114	73	219	219	-	97	53
Tankers	Number	7	12	15	12	11	4	10	5	7	5	4	3
Gross tons	1,000	222	387	859	885	1,096	270	222	116	148	118	59	149
Deadweight tons	1,000	427	742	1,585	1,392	1,901	354	358	226	277	210	92	271

- Represents zero.

Source: U.S. Maritime Administration, *New Ship Construction,* annual.

NO. 1066. UNITED STATES FLAG MERCHANT VESSELS—NUMBER AND VESSEL DEADWEIGHT TONNAGE: 1970 TO 1987

[**Deadweight tonnage in thousands.** As of **end of fiscal year;** see text, section 9. Covers oceangoing vessels of 1,000 gro tons and over engaged in foreign and domestic trade, and inactive vessels. Excludes special types such as tugs, barges, ca ships, fishing trawlers, and vessels employed on Great Lakes. See also *Historical Statistics, Colonial Times to 1970,* series 487-502]

ITEM	CARGO [1]						TANKER				
	1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1986
Number of vessels	**1,479**	**612**	**553**	**485**	**484**	**470**	**301**	**279**	**310**	**263**	**264**
Active:											
Foreign trade	354	228	195	129	123	97	32	39	32	32	33
Domestic trade [2]	70	49	46	36	37	40	175	156	211	135	131
Coastwise [3]	10	17	12	4	8	11	132	136	103	24	88
Noncontiguous	43	29	34	30	29	29	35	12	45	52	43
Special service	146	34	44	45	41	37	42	26	23	26	36
Inactive:											
Temporarily	41	38	31	58	55	60	22	31	24	50	42
Reserve fleet	868	263	237	217	228	236	30	27	20	20	22
Vessel deadweight tonnage	**15,446**	**8,175**	**7,872**	**8,792**	**9,106**	**9,040**	**7,835**	**9,433**	**16,107**	**15,647**	**15,393**
Active:											
Foreign trade	4,699	3,901	3,826	3,623	3,468	2,526	1,076	2,303	2,793	1,825	2,007
Domestic trade [2]	850	832	713	659	775	881	4,518	4,855	10,546	8,900	8,699
Coastwise [3]	116	354	200	109	226	340	3,483	4,299	3,078	1,028	3,631
Noncontiguous	482	424	479	509	549	541	870	339	3,699	5,534	5,068
Special service	1,741	459	560	932	860	796	1,189	755	661	747	745
Inactive:											
Temporarily	472	541	451	1,169	1,204	1,748	691	1,173	1,806	3,758	3,474
Reserve fleet	7,684	2,442	2,322	2,409	2,799	3,087	361	347	301	408	468

[1] Includes combination passenger and cargo vessels, not shown separately. [2] Prior to 1986 includes intercoastal, not show separately. [3] Beginning 1986, includes intercoastal.

Source: U.S. Maritime Administration, *Employment Report of the United States Flag Merchant Fleet Ocean-going Vessels 1,00 Gross Tons and Over,* annual.

NO. 1067. PRIVATE SHIPYARDS—SUMMARY: 1970 TO 1988

[**For calendar year, unless noted.** See also *Historical Statistics, Colonial Times to 1970,* series Q 440-458 and serie Q 467-472]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Employment	1,000	133.4	166.9	177.3	166.9	143.0	142.0	130.3	120.6	113.8
Production workers	1,000	108.5	133.4	141.8	130.8	112.0	111.0	99.0	90.3	85.4
Value of work done	Mil. dol	2,682	5,615	9,260	10,979	9,863	8,944	9,358	8,840	(NA)
On ships only	Mil. dol	2,594	5,513	8,889	10,655	9,107	8,306	9,483	8,913	(NA)
Value added	Mil. dol	1,616	2,923	5,338	6,386	5,752	5,206	5,740	5,426	(NA)
Building activity:										
Merchant vessels: [2]										
Under construction [3]	Number	49	96	69	35	21	10	10	7	6
Ordered	Number	13	14	7	3	4	5	-	-	-
Delivered	Number	13	19	23	17	15	5	3	1	4
Cancelled	Number	-	12	4	-	-	-	-	-	2
Under contract [4]	Number	49	79	49	21	10	10	7	6	-
Naval vessels: [2]										
Under construction [3]	Number	108	63	90	93	105	111	100	85	79
Ordered	Number	6	16	11	30	27	11	11	16	20
Delivered	Number	32	3	10	18	21	22	26	20	15
Under contract [4]	Number	82	76	91	105	111	100	85	[5] 79	84
Repairs/conversions:										
Commercial ships	Mil. dol	431	888	1,335	1,592	1,419	1,631	852	847	(NA)
Naval ships	Mil. dol	359	554	1,134	1,571	1,689	1,641	2,311	2,008	(NA)
Unfinished work: [3]										
Commercial ships	Mil. dol	766	4,350	2,070	838	372	100	450	315	53
Naval ships	Mil. dol	1,719	5,424	7,107	8,025	12,200	14,003	12,091	9,595	8,265

- Represents zero. NA Not available. [1] Estimate as of June. [2] Vessels of 1,000 tons or larger. [3] As of Jan. [4] As of Dec. 31. [5] Two ships were cancelled during 1986.

Source: Shipbuilders Council of America, Washington, DC, *Annual Report.*

NO. 1068. EMPLOYEES IN GOVERNMENT AND PRIVATE SHIPYARDS: 1960 TO 1987

[In thousands. Annual average employment in establishments primarily engaged in building and repairing all types of ships, barges, canal boats, and lighters of 5 gross tons and over, whether propelled by sail or motor power, or towed by other craft. Includes all full- and part-time employees]

YEAR	Total	Private yards	Navy yards	YEAR	Total	Private yards	Navy yards	YEAR	Total	Private yards	Navy yards
1960	208	112	96	1978	243	172	71	1983	227	143	84
1970	216	134	83	1979	244	173	71	1984	229	146	83
1975	217	154	65	1980	251	178	73	1985	219	138	80
1976	233	168	65	1981	264	187	77	1986	206	131	75
1977	242	174	68	1982	252	172	80	1987	202	126	76

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

NO. 1069. EMPLOYMENT ON U.S. FLAG MERCHANT VESSELS, 1970 TO 1987, AND BASIC MONTHLY (JANUARY) WAGE SCALE FOR ABLEBODIED SEAMEN, 1970 TO 1988

[**Employment in thousands.** See also *Historical Statistics, Colonial Times to 1970*, series Q 414-416]

YEAR	Employment[1]	YEAR	Employment[1]	YEAR	East coast wage rate[2]	West coast wage rate[2]	YEAR	East coast wage rate[2]	West coast wage rate[2]
1970	37.6	1982	16.7	1970	$470	$652	1982	$1,204	$1,686
1975	20.5	1983	15.3	1975	612	900	1983	1,320	1,862
1978	19.9	1984	13.7	1977	737	1,072	1984	1,419	2,029
1979	18.7	1985	13.1	1978	804	1,172	1985	1,419	2,069
1980	19.6	1986	11.5	1979	865	1,287	1986	1,419	2,132
1981	18.3	1987	10.4	1980	967	1,414	1987	1,419	2,132
				1981	1,120	1,535	1988	1,419	2,175

[1] As of June 30, except beginning 1978, as of Sept. 30. Estimates of personnel employed on merchant ships, 1,000 gross tons and over. Excludes vessels on inland waterways, Great Lakes, and those owned by, or operated for, U.S. Army and Navy, and special types such as cable ships, tugs, etc. [2] Basic monthly wage, over and above subsistence (board and room); excludes overtime and fringe pay benefits. West coast incorporates extra pay for Saturdays and Sundays at sea into base wages but east coast does not.

Source: U.S. Maritime Administration, *U.S. Merchant Marine Data Sheet*, monthly and unpublished data.

NO. 1070. WORLDWIDE TANKER CASUALTIES: 1975 TO 1988

[Data for 1975-1982 covers tankers, ore/oil carriers and bulk/oil vessels of 6,000 deadweight tons and over; beginning 1983, 10,000 deadweight tons and over; excludes liquid gas carriers. Incident is counted in the year it is reported. Based on data from "Lloyd's List" published by Lloyd's of London. "Casualties" include weather damage, strandings, collisions and other contact, fires and explosions, machinery damage, and other mishaps]

ITEM	Unit	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988[1]
Casualties	Number	906	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	340	451	408	195
Total losses[2]	Number	22	26	15	21	21	11	14	12	8	5	1
Deaths	Number	90	306	132	73	72	14	68	53	23	12	32
Oil spills	Number	45	65	32	33	9	17	15	9	8	12	5
Amount	1,000 tons	188.0	723.5	135.6	45.3	1.8	387.8	22.4	79.8	5.0	8.7	33.4

NA Not available. [1] Jan.-June. [2] Excludes losses due to hostilities.

Source: Tanker Advisory Center, Inc., New York, NY, "Worldwide Tanker Casualty Returns," quarterly.

NO. 1071. MERCHANT VESSELS—WORLD AND UNITED STATES: 1960 TO 1987

[**Vessels of 100 gross tonnage and above.** Excludes sailing ships, nonpropelled craft, and all ships built of wood. See also *Historical Statistics, Colonial Times to 1970*, series Q 473-480]

YEAR	WORLD: COMPLETED		WORLD: OWNED		U.S.: COMPLETED		U.S.: REGISTERED	
	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)
1960	2,005	8,382	36,311	129,770	49	379	4,059	24,837
1965	2,202	11,763	41,865	160,392	116	218	3,416	21,527
1970	2,814	20,980	52,444	227,490	156	375	2,983	18,463
1980	2,412	13,101	73,832	419,911	205	555	5,579	18,464
1981	2,312	16,820	75,151	424,742	204	216	6,133	19,111
1982	2,276	15,911	76,106	422,590	159	381	6,437	19,358
1983	2,210	18,334	76,068	418,682	73	84	6,441	19,292
1984	1,964	18,157	76,395	416,269	66	180	6,447	19,518
1985	1,634	16,845	75,266	404,910	36	223	6,496	19,901
1987	1,528	12,259	75,240	403,498	29	164	6,427	20,176

Source: Lloyd's Register of Shipping, London, England, *Statistical Tables*, annual; and *Annual Summary of Merchant Ships Completed in the World*.

No. 1072. Merchant Vessels—Ships and Tonnage Lost Worldwide, by Type of Ship: 1980 to 1986

[**For merchant vessels of 100 gross tonnage and above.** Excludes ships which have been declared constructive
have undergone repair during the year. Loss counted in the year the casualty occurred, providing that information
time of relevant publication]

TYPE OF SHIP	SHIPS LOST					GROSS TONNAGE LOST (1,000)			
	1980	1984	1985	1986		1980	1984	1985	1986
				Total	Percent of total				Total
Total [1]	**387**	**327**	**307**	**265**	**100.0**	**1,804**	**2,354**	**1,651**	**2,609**
Tankers	24	25	19	23	8.7	707	1,542	776	1,385
Ore/bulk carriers [2]	21	17	22	20	7.5	458	271	405	757
General cargo	211	178	155	128	46.3	478	401	363	341
Container ships	2	3	5	2	.8	6	34	41	15
Passenger [3]	9	2	-	2	.8	112	17	-	37
Fishing	96	73	86	44	16.6	30	33	26	16

- Represents zero. [1] Includes types not shown separately. [2] Includes ore/bulk/oil carriers. [3] Includes
cargo ships.

Source: Lloyd's Register of Shipping, London, England, *Casualty Return*, annual.

No. 1073. Merchant Fleets of the World: 1980 to 1986

[**Vessels of 1,000 gross tons and over.** As of Jan. 1 of the following year. Specified countries have 100 or more ships]

YEAR AND COUNTRY OF REGISTRY, 1986	TOTAL		PASSENGER/ CARGO COMB.		FREIGHTERS		BULK CARRIERS [1]		TANKERS
	Number	Avg. age (yr.)	Number	Avg. age (yr.)	Number	Avg. age (yr.)	Number	Avg. age (yr.)	Number
1980, world total	**24,867**	**13**	**468**	**24**	**14,242**	**14**	**4,798**	10	**5,389**
United States	864	23	65	34	471	23	20	22	308
Foreign	24,003	13	403	22	13,771	13	4,778	10	5,081
1985, world total	**25,555**	**14**	**375**	**25**	**13,937**	**15**	**5,787**	11	**5,448**
United States	737	23	37	38	417	25	25	9	250
Foreign	24,818	14	338	23	13,520	15	5,762	11	5,198
1986, world total	**23,618**	**14**	**352**	**25**	**12,786**	**14**	**5,481**	11	[illegible]
United States	720	23	36	39	411	25	26	10	247
Privately owned	456	17	8	30	197	16	26	10	225
Government-owned	264	33	28	42	214	32	-	(x)	22
Foreign	22,898	13	316	23	12,375	14	5,455	11	4,752
Argentina	153	16	-	(x)	86	17	18	12	49
Bahamas, The	222	11	12	18	77	11	42	9	91
Brazil	333	14	3	26	154	17	93	7	83
British Colonies	543	12	3	20	208	14	240	10	92
Bulgaria	119	15	4	13	51	16	47	13	17
China: Mainland	1,076	17	12	25	728	18	196	14	140
Taiwan	194	12	1	16	122	12	54	10	17
Cuba	106	15	2	30	82	15	9	17	13
Cyprus	904	15	5	31	527	15	250	14	122
Denmark	239	8	3	23	149	8	11	7	78
East Germany	158	14	1	6	133	14	20	15	4
Egypt	135	17	9	28	100	17	16	7	10
France	227	11	7	10	125	11	28	8	67
Greece	1,270	15	30	32	426	17	594	12	220
Honduras	119	24	-	(x)	89	25	11	26	19
India	322	13	5	22	147	15	111	13	59
Indonesia	316	17	6	12	214	19	11	7	86
Iran	118	12	-	(x)	39	15	54	8	25
Italy	516	17	9	27	204	15	91	16	212
Japan	1,437	8	6	12	605	8	443	9	383
Liberia	1,550	11	10	16	318	12	617	11	605
Malaysia	167	14	1	34	105	16	21	11	40
Malta	151	20	2	54	88	19	51	19	10
Netherlands	437	8	4	10	345	8	20	7	68
Norway	279	10	22	20	100	11	56	8	101
Panama	3,278	12	33	30	1,770	13	920	10	555
Philippines	486	13	13	27	200	15	227	8	46
Poland	266	13	2	23	163	14	92	12	9
Romania	282	11	-	(x)	208	11	66	10	8
Saudi Arabia	134	19	3	26	54	21	12	16	65
Singapore	416	12	1	38	224	14	91	10	100
South Korea	455	14	-	(x)	224	14	161	15	70
Soviet Union	2,453	16	50	21	1,759	17	229	11	415
Spain	418	11	-	(x)	262	11	67	11	88
Sweden	181	11	2	24	105	11	16	12	58
Thailand	100	20	-	(x)	73	21	3	17	24
Turkey	324	13	6	33	206	12	62	15	50
United Kingdom	395	12	13	17	151	12	73	11	158
West Germany	448	6	6	9	352	5	16	5	74
Yugoslavia	264	15	4	25	177	18	72	13	11
All others	1,907	13	26	23	1,225	14	244	11	412

- Represents zero. X Not applicable. [1] Includes bulk/oil, ore/oil, and ore/bulk/oil carriers.

Source: U.S. Maritime Administration, *A Statistical Analysis of the World's Merchant Fleets*, annual.

Section 23

Agriculture

This section presents statistics on farms and farm population; land use and irrigation; farm cooperatives; farm income, expenditures, and debt; farm output, productivity, and marketings; foreign trade in agricultural products; specific crops; and livestock, poultry, and their products.

The principal sources are the reports issued by the U.S. Bureau of the Census and by the National Agricultural Statistics Service (NASS) and the Economic Research Service (ERS) of the U.S. Department of Agriculture. The Bureau of the Census has taken a census of agriculture every 10 years from 1840 to 1920 and every 5 years from 1925 through 1974. Two 4-year censuses, taken for 1978 and 1982, adjusted the data reference year to coincide with the economic censuses for 1982. The 1982 Census of Agriculture is the most recent census for which reports are presently available. The Department of Agriculture publishes annually *Agricultural Statistics,* a general reference book on agricultural production, supplies, consumption, facilities, costs, and returns. The Economic Research Service publishes a series of annual reports, *Economic Indicators of the Farm Sector.* This series comprises five reports: *National Financial Summary, State Financial Summary, Production and Efficiency Statistics, Costs of Production,* and *Farm Sector Review.* Sources of current data on agricultural exports and imports include *Foreign Agricultural Trade of the United States,* published by the ERS, and the reports of the Bureau of the Census, particularly *U.S. General Imports, Schedule A, Commodity by Country,* and *U.S. Exports, Schedule B, Commodity by Country.*

The 44 field offices of the NASS collect data on crops, livestock and products, agricultural prices, farm employment, and other related subjects mainly through sample surveys. Information is obtained on some 75 crops and 50 livestock items as well as scores of items pertaining to agricultural production and marketing. State estimates and supporting information are sent to the Agricultural Statistics Board of NASS which reviews the estimates and issues reports containing State and national data. Among these reports are annual summaries such as *Crop Production, Crop Values, Agricultural Prices,* and *Livestock Production, Disposition and Income.*

Farms and farmland.—Over time, the Bureau of the Census has used varying definitions of a farm. Data from the census of agriculture reflect the changes in definition since figures are presented for "farms" as defined during the years indicated. For the 1974, 1978, and 1982 Censuses of Agriculture, a farm was defined as any place from which $1,000 or more of agricultural products were sold, or normally would have been sold during the census year. Control may have been exercised through ownership or management, or through a lease, rental, or cropping arrangement. In the case of landowners who had one or more tenants, or renters, the land operated by each was counted as a separate farm. The effect of the change in definition must be considered when comparing farms in the 1974, 1978, and 1982 censuses with those in previous censuses. In the 1969 census, as well as the 1959 and 1964 censuses, places of less than 10 acres were counted as farms if estimated sales of agricultural products for the year amounted to at least $250, and places of 10 or more acres if such sales amounted to at least $50.

Unless otherwise stated in the specific tables of this section, the definition of a farm applicable to data originated by the Department of Agriculture is the one used by the Bureau of the Census for the agriculture census immediately preceding the year or years for which the data are shown.

Farmland refers to all land under the control of a farm operator, including land not actually under cultivation or not used for pasture or grazing. Land used for pasture or grazing on a per head basis that was neither owned nor leased by a farm operator is not included except for grazing lands controlled by grazing associations leased on a per acre basis.

Coverage estimates for 1978 and 1982 indicate about 3.4 and 9.1 percent of all farms, respectively, were not included in census totals. Farms undercounted in the census were usually small and accounted for approximately 2 percent of the total value of agricultural products sold and approximately 2 percent of the land in farms. For more explanation about data comparability, see Appendixes A and C, *1982 Census of Agriculture,* volume 1 reports and *Coverage Evaluation, Volume 2, Part 2.*

Farm population.—Farm population consists of all persons living on farms in rural areas. Farm population data shown for 1960 to 1975 are based on the definition of a farm used for the 1969 Census of Agriculture. Farm population data for 1978 to 1983 are shown on the basis of both the 1969 and 1974 census farm definitions and are so indicated. Beginning in 1984, farm population data are based only on the 1974 census farm definition.

Farm income.—Gross farm income comprises cash receipts from farm marketings of crops and livestock, Federal government payments made directly to farmers for farm-related activities, rental value of farm homes, value of farm products consumed in farm homes, and other farm-related income such as machine hire and custom work. Farm marketings represent agricultural products sold by farmers multiplied by prices received per unit of production at the local market.

Information on prices received for farm products is generally obtained by the NASS Agricultural Statistics Board from surveys of firms (such as grain elevators, packers, and processors) purchasing agricultural commodities directly from producers. In some cases, the price information is obtained directly from the producers.

Crops.—Estimates of crop acreage and production by the NASS are based on current sample survey data obtained from individual producers and objective yield counts, reports of carlot shipments, market records, personal field observations by field statisticians, and reports from other sources. Cotton acreage and production are based on sample survey data and on ginning information gathered by the Bureau of the Census.

Prices received by farmers are marketing year averages. These averages are based on U.S. monthly prices weighted by monthly marketings during specific periods. U.S. monthly prices are State average prices weighted by marketings during the month. Marketing year average prices do not include allowances for outstanding loans, government purchases, deficiency payments or disaster payments.

All State prices are based on individual State marketing years, while U.S. marketing year averages are based on standard marketing years for each crop. For a listing of the crop marketing years and the participating States in the monthly program, see *Crop Values,* January 1988. Value of production is computed by multiplying State prices by each State's production. The U.S. value of production is the sum of State values for all States. Value of production figures shown in tables 1121 and 1124-1132 should not be confused with cash receipts from farm marketings which relate to sales during a calendar year, irrespective of the year of production.

Price supports.—Agricultural income is supplemented through two basic Government-support mechanisms available to producers of eligible commodities: (1) *a market price support* (loan rate) through which producers may place any portion of their production in approved storage and receive a loan at a specified rate. The farmer may repay the loan with interest and retain the commodity or, at the end of the loan period, forfeit the commodity as full payment of the loan; (2) *a farm income support* (target price) whose payments vary inversely with the market price of the specified commodity. "Deficiency payments" are made when market prices for a specified period are below the target prices. The payment rate is the difference between the target price and market price, or between the target price and loan rate, whichever is smaller.

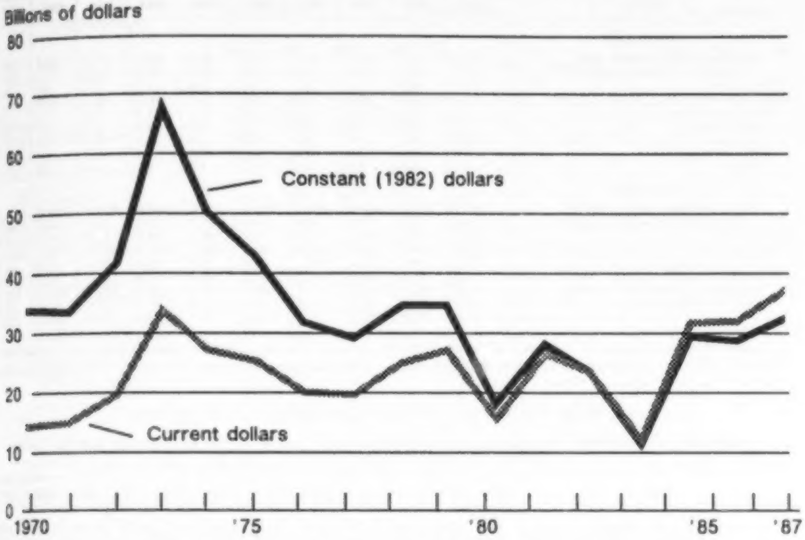
Livestock.—Annual inventory numbers of livestock and estimates of livestock, dairy, and poultry production prepared by the Department of Agriculture are based on information from farmers and ranchers obtained by probability survey sampling methods.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau and Department of Agriculture data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Figure 23.1

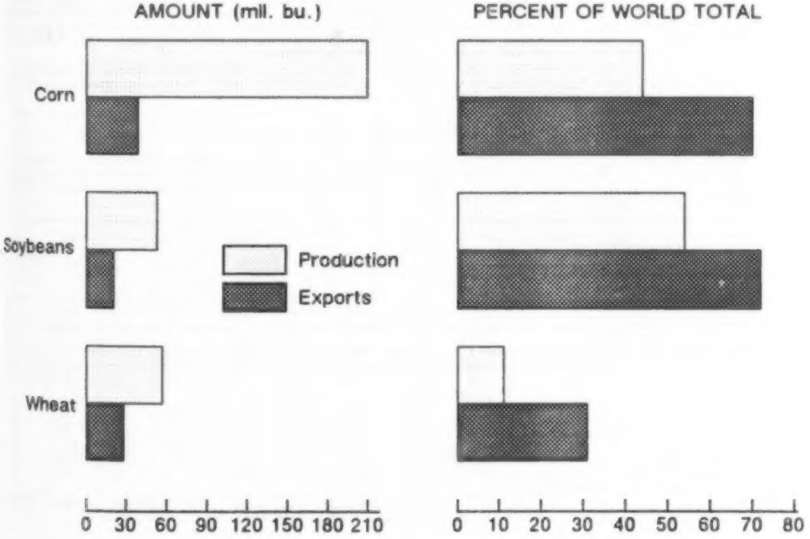
Net Income of Farm Operators From Farming: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1095.

Figure 23.2

Corn, Soybeans, and Wheat--U.S. Production and Exports: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1115.

No. 1074. Food and Fiber Sector of Domestic Economy—Employment and Value Added: 1975 to 1987

[**Employment in millions; value added in billions of dollars, except as indicated**]

SECTOR	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
EMPLOYMENT										
Food and fiber sector, total	**20.2**	**21.3**	**21.4**	**21.6**	**21.8**	**21.4**	**21.4**	**21.0**	**20.2**	**20.1**
Percent of domestic economy [1]	21.5	20.3	20.0	19.9	19.8	19.2	18.8	18.2	17.1	16.7
Farm sector	3.0	2.7	2.6	2.7	2.6	2.8	2.7	2.3	2.0	2.0
Nonfarm sector	17.2	18.7	18.9	19.0	19.2	18.7	18.7	18.7	18.2	18.1
Food processing	1.5	1.5	1.5	1.5	1.6	1.5	1.4	1.5	1.4	1.3
Manufacturing	3.2	3.3	3.4	3.4	3.3	3.1	3.0	2.9	2.7	2.7
Transportation, trade, and retailing	5.7	6.3	6.4	6.5	6.6	6.5	6.6	6.7	6.6	6.6
Eating establishments	3.1	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7
Other	3.7	4.0	4.0	4.1	4.2	4.0	4.1	4.1	3.9	3.8
VALUE ADDED [2]										
Food and fiber sector, total	**325.7**	**465.4**	**499.9**	**562.3**	**611.3**	**602.6**	**660.4**	**699.4**	**694.0**	**706.2**
Percent of domestic economy	20.4	18.6	18.3	18.4	19.3	17.7	17.5	17.4	16.4	15.6
Farm sector	43.3	59.4	55.1	67.3	75.1	49.7	64.5	71.6	58.8	56.8
Nonfarm sector	282.4	406.0	444.8	495.0	536.2	552.9	595.9	627.8	635.2	649.4
Food processing	38.7	49.7	56.0	61.7	70.0	70.4	75.6	83.8	83.8	81.5
Manufacturing	57.0	77.1	83.0	93.1	97.5	98.0	101.5	102.3	102.7	100.5
Transportation, trade, and retailing	96.8	142.7	157.5	175.6	188.1	196.8	209.7	220.9	223.9	230.5
Eating establishments	25.7	38.9	42.0	44.6	48.1	52.0	55.7	57.5	60.4	64.9
Other	64.2	97.6	106.3	120.0	132.5	135.7	153.4	163.3	164.4	172.0

[1] Based on civilian labor force. [2] Value added equals profits, rent, interest, wages, indirect business taxes, and depreciation.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Farm Sector Review*, annual.

No. 1075. Farm Population and Employment: 1960 to 1987

[**In thousands, except percent.** For definition of farm population, see text, section 23. See also *Historical Statistics, Colonial Times to 1970*, series C 76 and K 1-2 and K 174-176]

ITEM	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Farm population (1974 definition) [1]	(NA)	(NA)	(NA)	6,241	6,051	5,850	5,628	5,787	5,754	5,355	5,226	4,986
Percent of resident population	(NA)	(NA)	(NA)	2.8	2.7	2.6	2.4	2.5	2.4	2.2	2.2	2.0
Farm population (1969 definition) [1]	15,635	9,712	8,864	7,553	7,241	7,014	6,880	7,029	(NA)	(NA)	(NA)	(NA)
Percent of resident population	8.7	4.8	4.2	3.4	3.3	3.1	3.0	3.0	(NA)	(NA)	(NA)	(NA)
Farm employment, total [2]	7,057	4,523	4,342	3,774	3,705	3,330	4,043	3,749	3,405	3,115	2,912	2,897
Family member [3]	5,172	3,348	3,025	2,501	2,402	2,236	2,494	2,271	2,175	2,017	1,873	1,846
Hired workers [4]	1,885	1,175	1,317	1,273	1,303	1,094	1,549	1,478	1,230	1,098	1,039	1,051

NA Not available. [1] April-centered five-quarter averages for 1960 to 1983; annual average for 1984 to 1987.
[2] 1960 and 1970, averages of monthly estimates of employed during last full calendar week ending at least one day before end of month; 1975–1980 annual quarterly averages; 1981, average based on employment data from Jan. and April quarterly surveys; 1982–1983 based on July survey; 1984, average from July and Oct. surveys; 1985–1987 average from April, July and Oct. surveys.
[3] Includes farm operators doing 1 or more hours of farm work and unpaid family members doing 15 or more hours of farm work during survey week. [4] Includes all persons doing 1 or more hours of farm work for pay during survey week. Members of operators' families doing any farm work for cash wages are counted as hired workers.

Source: Population—U.S. Dept. of Agriculture, Economic Research Service and U.S. Bureau of the Census. Published in U.S. Bureau of the Census, *Current Population Reports*, series P-27, No. 61 and earlier reports. Farm employment—U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Farm Labor*, periodic.

No. 1076. Characteristics of Farm and Nonfarm Families: 1970 to 1987

[As of **March**. 1970 based on 1969 census farm definition and 1980 and 1987 based on 1974 definition; see text, section 23. 1970, 1980 and 1987 data are based on population controls from 1960, 1970, and 1980 censuses respectively; see text, section 1. Based on Current Population Survey, see text, section 1 and Appendix III. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	1970			1980			1987		
	Total	Farm	Nonfarm	Total	Farm	Nonfarm	Total	Farm	Nonfarm
Total families (1,000)	51,237	2,457	48,781	58,426	1,666	56,760	64,491	1,448	63,043
Persons per family	3.62	3.77	3.61	3.28	3.35	3.27	3.19	3.28	3.18
With own children under 18 (1,000)	28,665	1,169	27,496	30,517	745	29,772	31,898	596	31,301
Mean number of own children	2.33	2.61	2.32	1.89	2.00	1.89	1.81	2.00	1.81
Percent with: 1 or 2 children	63.6	57.2	63.9	77.0	71.5	77.2	80.4	73.0	80.6
3 or 4 children	28.5	29.3	28.5	20.4	24.8	20.3	17.9	24.5	17.9
5 or more children	7.8	13.5	7.6	2.5	3.5	2.5	1.6	2.5	1.6
Percent distribution:									
Married couple	86.7	90.5	86.5	82.5	92.3	82.2	79.9	93.6	79.6
Male householder, no wife present	2.4	4.2	2.3	2.9	3.4	2.9	3.9	2.1	3.9
Female householder, no husband present	10.9	5.3	11.2	14.6	4.4	14.9	16.2	4.4	16.5
2-person families	34.5	37.0	34.3	39.2	42.7	39.1	40.8	42.2	40.8
3-to-5 person families	52.7	46.4	53.1	53.7	47.1	53.9	54.1	50.8	54.2
6-or-more person families	12.9	16.6	12.6	7.1	10.3	7.0	5.0	6.9	5.0
Median family income [1] in constant (1986) dollars	28,213	19,097	28,629	29,700	24,709	29,841	29,458	23,326	29,632

[1] Income for previous year.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 218; series P-27, No. 61 and earlier reports; series P-60, No. 157 and earlier reports; and unpublished data.

No. 1077. Farm Population, by Characteristics: 1970 to 1987

[**1970 and 1980, April-centered five-quarter averages; 1985 and 1987 annual averages.** For definition of farm population, see text, section 23]

CHARACTERISTIC	FARM POPULATION (1,000)							PERCENT DISTRIBUTION			
	1969 definition		1974 definition					1969 definition, 1970	1974 definition		
	1970	1980	1980	1985	1987				1980	1985	1987
					Total	Male	Female				
Total	**9,712**	**7,241**	**6,051**	**5,355**	**4,986**	**2,598**	**2,387**	**100.0**	**100.0**	**100.0**	**100.0**
White	8,775	6,828	5,714	5,195	4,834	2,522	2,312	90.4	94.4	97.0	97.0
Black and other races	938	413	337	160	152	76	75	9.7	5.6	3.0	3.0
Under 15 years old	[1] 2,490	[1] 1,391	[1] 1,146	1,100	974	511	463	[1] 25.6	[1] 18.9	20.5	19.5
15 years old and over	[2] 7,222	[2] 5,851	[2] 4,905	4,255	4,012	2,087	1,924	[2] 74.4	[2] 81.1	79.5	80.5
15-19 years old	[3] 1,316	[3] 926	[3] 790	456	427	216	211	[3] 13.6	[3] 13.1	8.5	8.6
20-24 years old	502	502	444	381	315	174	141	5.2	7.3	7.1	6.3
25-34 years old	770	735	606	640	620	333	287	7.9	10.0	12.0	12.4
35-44 years old	1,061	862	712	687	626	327	299	10.9	11.8	12.8	12.6
45-64 years old	2,452	1,892	1,607	1,342	1,319	667	653	25.2	26.6	25.1	26.4
65 years old and over	1,122	934	746	747	702	370	332	11.6	12.3	13.9	14.1
In labor force [4]	4,293	3,682	3,139	2,853	2,763	1,720	1,043	59.4	64.0	67.1	68.9
Employed, agriculture	2,333	1,722	1,642	1,363	1,297	1,029	268	32.3	33.5	32.0	32.3
Percent of labor force	54.3	46.8	52.3	47.8	46.9	59.8	25.7	(X)	(X)	(X)	(X)
Self-employed	1,411	1,083	1,034	896	848	716	132	19.5	21.1	21.1	21.1
Wage and salary workers	395	344	326	318	330	267	63	5.5	6.6	7.5	8.2
Unpaid family workers	526	295	282	149	118	46	72	7.3	5.7	3.5	2.9
Employed, nonagriculture	1,878	1,853	1,415	1,402	1,387	650	737	26.0	26.8	32.9	34.6
Self-employed	159	210	161	159	161	92	69	2.2	3.3	3.7	4.0
Wage and salary workers	1,698	1,624	1,239	1,237	1,216	556	660	23.5	25.3	29.1	30.3
Unpaid family workers	21	19	16	7	10	2	8	.3	.3	.2	.2
Unemployed	82	106	82	88	79	41	37	1.1	1.7	2.1	2.0
Not in labor force [4]	2,929	2,169	1,766	1,402	1,249	367	882	40.6	36.0	32.9	31.1

X Not applicable. [1] Persons under 14 years old. [2] Persons 14 years old and over. [3] Persons 14-19 years old. [4] Percent distribution by labor force status based on population, 14 years old and over through 1980; thereafter, 15 years old and over.

Source: U.S. Bureau of the Census, *Current Population Reports,* series P-27, No. 61 and earlier reports; and unpublished data.

No. 1078. Farms—Number and Acreage: 1959 to 1988

[Based on census year definition indicated; for definition of farms and farmland, see text, section 23. Data for census years (indicated by italics) have been adjusted for underenumeration and are used as reference points along with data from acreage and livestock surveys in estimating data for other years. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970,* series K 4-7]

YEAR	FARMS		LAND IN FARMS		YEAR	FARMS		LAND IN FARMS	
	Number (1,000)	Annual change [1] (1,000)	Total (mil. acres)	Average per farm (acres)		Number (1,000)	Annual change [1] (1,000)	Total (mil. acres)	Average per farm (acres)
1969 DEFINITION					**1974** DEFINITION				
1959	*4,105*	*–139*	*1,183*	*288*	1975	2,521	(X)	1,059	420
1960	3,963	–142	1,176	297	1976	2,497	–24	1,054	422
1964	*3,457*	*–127*	*1,146*	*332*	1977	2,456	–41	1,048	427
1965	3,356	–101	1,140	340	*1978*	*2,436*	*–20*	*1,045*	*429*
1969	*3,000*	*–89*	*1,108*	*369*	1979	2,432	–4	1,042	428
1970	2,949	–51	1,102	374	1980	2,433	1	1,039	427
1971	2,902	–47	1,097	378	1981	2,434	1	1,034	425
1972	2,860	–42	1,092	382	*1982*	*2,401*	*–33*	*1,028*	*428*
1973	2,823	–37	1,088	385	1983	2,370	–31	1,024	432
1974	*2,795*	*–28*	*1,084*	*388*	1984	2,328	–42	1,019	438
1975	2,767	–28	1,081	391	1985	2,275	–53	1,014	446
1976	2,738	–29	1,078	394	1986	2,212	–63	1,008	456
1977	2,706	–32	1,075	397	1987	2,176	–36	1,003	461
1978	*2,672*	*–34*	*1,072*	*401*	1988, prel	2,159	–17	999	463

X Not applicable. [1] Average annual change from preceding year shown. For 1959, change from 1954.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Number of Farms and Land in Farms, 1959-70* (Statistical Bulletin No. 507); *Farms and Land in Farms, 1969-75* (Statistical Bulletin No. 594); *Farm Numbers, 1975-80;* and *Crop Production* (August releases).

No. 1079. Farms—Number and Acreage, by State: 1980 and 1988

[1988 data preliminary. Based on 1974 census definition of farms and farmland; see text, section 23. See also *Historical Statistics, Colonial Times to 1970*, series K 4-7]

STATE	FARMS (1,000)		ACREAGE (mil.)		ACREAGE PER FARM	
	1980	1988	1980	1988	1980	1988
U.S	**2,433**	**2,159**	**1,039**	**999**	**427**	**463**
Alabama	59	49	12	11	207	224
Alaska	(z)	1	2	1	3,378	2,123
Arizona	8	8	38	37	5,080	4,506
Arkansas	59	47	17	15	280	319
California	81	78	34	33	417	417
Colorado	27	27	36	34	1,358	1,234
Connecticut	4	4	(z)	(z)	117	119
Delaware	4	3	1	1	186	197
Florida	39	40	13	13	344	325
Georgia	59	49	15	13	254	265
Hawaii	4	4	2	2	458	443
Idaho	24	23	15	14	623	609
Illinois	107	83	29	29	269	345
Indiana	87	72	17	16	193	228
Iowa	119	107	34	34	284	313
Kansas	75	69	48	48	644	694
Kentucky	102	99	15	15	143	146
Louisiana	37	35	10	10	273	271
Maine	8	8	2	2	195	192
Maryland	18	16	3	2	157	147
Massachusetts	6	6	1	1	116	111
Michigan	65	58	11	11	175	193
Minnesota	104	94	30	30	291	319
Mississippi	55	43	15	14	265	314

STATE	FARMS (1,000)		ACREAGE (mil.)		ACREAGE PER FARM	
	1980	1988	1980	1988	1980	1988
Missouri	120	113	31	30	261	[illegible]
Montana	24	23	62	61	2,601	2,605
Nebraska	65	55	48	47	734	856
Nevada	3	2	9	9	3,100	3,667
New Hampshire	3	3	1	1	160	156
New Jersey	9	7	1	1	109	112
New Mexico	14	14	47	45	3,457	3,333
New York	47	40	9	9	200	213
North Carolina	93	70	12	11	126	150
North Dakota	40	33	42	40	1,043	1,243
Ohio	95	84	16	16	171	186
Oklahoma	72	69	35	33	481	478
Oregon	35	37	18	18	517	486
Pennsylvania	62	56	9	8	145	150
Rhode Island	1	1	(z)	(z)	87	96
South Carolina	34	27	6	5	188	200
South Dakota	39	35	45	44	1,169	1,278
Tennessee	96	94	14	13	142	138
Texas	189	156	138	132	731	846
Utah	14	13	12	11	919	850
Vermont	8	7	2	2	226	223
Virginia	58	49	10	10	169	198
Washington	38	38	16	16	429	421
West Virginia	22	21	4	4	191	176
Wisconsin	93	82	19	18	200	215
Wyoming	9	9	35	35	3,846	4,000

Z Less than 500 farms or 500,000 acres.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production* (August 1988 release).

No. 1080. Farms—Number and Acreage, by State: 1982

[For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series K 17-18]

REGION, DIVISION, AND STATE	ALL FARMS			FARMS WITH SALES OF $10,000 OR MORE		
	Number of farms (1,000)	Land in farms (mil. acres)	Average size of farm (acres)	Number of farms (1,000)	Land in farms (mil. acres)	Average size of farm (acres)
U.S	**2,241**	**986.8**	**440**	**1,143**	**811.3**	**710**
Region:						
Northeast	131	23.0	175	65	17.0	260
Midwest	932	354.2	380	612	317.6	519
South	896	293.8	328	331	229.3	694
West	280	315.7	1,129	135	247.3	1,837
N.E	**26**	**4.6**	**178**	**12**	**3.1**	**268**
ME	7	1.5	210	3	.9	327
NH	3	.5	170	1	.2	273
VT	6	1.6	249	4	1.2	336
MA	5	.6	113	2	.4	164
RI	1	.1	86	(z)	(z)	117
CT	4	.4	118	2	.3	187
M.A	**106**	**18.4**	**174**	**54**	**13.9**	**259**
NY	42	9.2	218	23	7.3	318
NJ	8	.9	111	4	.7	195
PA	56	8.3	149	27	5.9	217
E.N.C	**403**	**88.6**	**220**	**245**	**77.9**	**318**
OH	87	15.4	177	44	12.3	282
IN	77	16.3	211	45	14.5	324
IL	98	28.7	292	71	27.2	384
MI	59	10.9	187	28	8.7	307
WI	82	17.2	210	57	15.1	265
W.N.C	**529**	**265.6**	**502**	**368**	**239.7**	**652**
MN	94	27.7	294	67	25.0	374
IA	115	32.6	283	94	31.4	336
MO	112	29.3	260	51	22.3	435
ND	36	40.2	1,104	30	37.3	1,247
SD	37	43.8	1,179	29	37.0	1,259
NE	60	45.0	746	49	43.0	882
KS	73	47.1	642	48	43.7	912

DIVISION AND STATE	ALL FARMS			FARMS WITH SALES OF $10,000 OR MORE		
	Number of farms (1,000)	Land in farms (mil. acres)	Average size of farm (acres)	Number of farms (1,000)	Land in farms (mil. acres)	Average size of farm (acres)
S.A	**274**	**57.2**	**209**	**109**	**41.9**	**385**
DE	3	.7	196	2	.6	275
MD	16	2.6	156	8	2.1	257
VA	52	9.4	182	18	6.3	350
WV	19	3.6	190	3	1.2	442
NC	73	10.3	142	33	7.7	232
SC	25	5.6	224	9	3.9	461
GA	50	12.3	248	21	9.3	434
FL	36	12.8	353	15	10.8	730
E.S.C	**283**	**49.2**	**174**	**96**	**33.4**	**347**
KY	102	14.2	140	42	10.0	238
TN	91	12.5	138	25	7.7	302
AL	48	10.2	211	15	6.7	444
MS	42	12.4	293	14	9.0	660
W.S.C	**340**	**187.3**	**551**	**125**	**154.0**	**1,227**
AR	51	14.7	291	21	11.0	528
LA	32	8.9	282	11	7.1	625
OK	73	32.4	446	29	25.7	873
TX	185	131.3	710	64	110.1	1,727
Mt	**122**	**246.1**	**1,857**	**66**	**187.9**	**2,882**
MT	24	60.5	2,568	15	53.4	3,453
ID	25	13.9	563	15	11.7	801
WY	9	33.5	3,781	5	28.0	5,212
CO	27	33.5	1,237	15	29.1	1,939
NM	13	47.1	3,493	5	34.9	6,715
AZ	7	37.8	5,148	3	15.2	4,851
UT	14	9.8	699	6	7.3	1,281
NV	3	10.0	3,671	1	6.2	6,587
Pac	**158**	**69.6**	**441**	**69**	**59.4**	**864**
WA	36	16.5	456	16	13.0	833
OR	34	17.7	520	12	15.5	1,316
CA	82	32.2	390	39	28.7	728
AK	(z)	1.3	2,323	(z)	.4	3,648
HI	5	2.0	426	2	1.9	1,047

Z Less than 500 farms or 50,000 acres.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1982*, vol. 1.

No. 1081. FARMS—NUMBER, 1959 TO 1982, AND ACREAGE, 1978 AND 1982, BY SIZE OF FARM

[See also *Historical Statistics, Colonial Times to 1970,* series K 162-173]

SIZE OF FARM	NUMBER OF FARMS (1,000)					LAND IN FARMS (mil. acres)		CROPLAND HARVESTED (mil. acres)		PERCENT DISTRIBUTION, 1982		
	1959	1969	1974	1978	1982	1978	1982	1978	1982	Number of farms	All land in farms	Cropland harvested
Total	**3,711**	**2,730**	**2,314**	**2,258**	**2,241**	**1,014.8**	**986.8**	**317.1**	**326.3**	**100.0**	**100.0**	**100.0**
Under 10 acres	244	162	128	151	188	.6	.7	.2	.3	8.4	.1	.1
10-49 acres	813	473	380	392	449	10.9	12.1	4.5	4.5	20.0	1.2	1.4
50-99 acres	658	460	385	356	344	25.9	24.8	10.2	9.5	15.4	2.5	2.9
100-179 acres	773	542	443	403	368	55.0	49.9	23.3	21.2	16.4	5.1	6.5
180-259 acres	414	307	253	234	211	50.6	45.7	23.7	21.7	9.4	4.6	6.7
260-499 acres	472	419	363	348	315	124.6	113.0	64.5	60.5	14.1	11.5	18.5
500-999 acres	200	216	207	213	204	146.7	140.5	75.2	77.6	9.1	14.2	23.8
1,000-1,999 acres	79	91	93	98	97	133.0	132.4	58.2	64.5	4.3	13.4	19.8
2,000 acres and over	57	60	62	63	65	467.4	467.5	57.3	66.6	2.9	47.4	20.4

Source: U.S. Bureau of the Census, *Census of Agriculture: 1959, 1969, 1974,* vol. II and *1982,* vol. 1.

No. 1082. FARMS—NUMBER AND ACREAGE, BY TENURE OF OPERATOR: 1969 TO 1982

[*Full owners* own all the land they operate. *Part owners* own a part, and rent from others the rest of the land they operate. See also *Historical Statistics, Colonial Times to 1970,* series K 109-113 and 142-146]

ITEM AND YEAR	Unit	Total	Full owner	Part owner	Tenant	PERCENT DISTRIBUTION			
						Total	Full owner	Part owner	Tenant
Number of farms:									
1969	1,000	2,730	1,706	672	353	100.0	62.5	24.6	12.9
1974	1,000	2,314	1,424	628	262	100.0	61.5	27.2	11.3
1978	1,000	2,258	1,298	681	279	100.0	57.5	30.1	12.4
1982 [1]	1,000	2,241	1,326	656	259	100.0	59.2	29.3	11.5
Under 50 acres	1,000	637	505	68	63	100.0	79.3	10.7	9.9
50-179 acres	1,000	711	489	144	79	100.0	68.7	20.2	11.1
180-499 acres	1,000	526	232	221	73	100.0	44.1	42.0	13.8
500-999 acres	1,000	204	57	120	27	100.0	27.9	58.8	13.2
1,000 acres or more	1,000	161	41	103	17	100.0	25.4	64.0	10.6
Land in farms:									
1969	Mil. acres	1,063	375	550	138	100.0	35.2	51.8	13.0
1974	Mil. acres	1,017	359	535	122	100.0	35.4	52.6	12.0
1978	Mil. acres	1,015	332	561	122	100.0	32.7	55.3	12.0
1982	Mil. acres	987	342	531	114	100.0	34.7	53.8	11.6

[1] Data by size of farm exclude abnormal farms; see headnote, table 1084.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1969, 1974,* vol. II, and *1982,* vol. 1.

No. 1083. FARM OPERATORS—TENURE AND CHARACTERISTICS: 1978 AND 1982

[**In thousands, except as indicated.** See also *Historical Statistics, Colonial Times to 1970,* series K 82-113]

TENURE AND CHARACTERISTIC	ALL FARMS		FARMS WITH SALES OF $10,000 AND OVER	
	1978	1982	1978	1982
Total operators	**2,258**	**2,241**	**1,180**	**1,143**
White	2,200	2,187	1,163	1,127
Black and other	58	54	17	16
Operators of Hispanic origin [1]	18	16	7	6
Female	113	122	(NA)	37
Under 25 years old	67	62	(NA)	39
25-34 years old	285	294	(NA)	173
35-44 years old	434	443	(NA)	223
45-54 years old	549	505	(NA)	264
55-64 years old	552	536	(NA)	288
65 years old and over	371	400	(NA)	156
Average age (years)	50.3	50.5	(NA)	49.1
Full owner	1,298	1,326	485	482
Part owner	681	656	514	491
Tenant	279	259	181	170

CHARACTERISTIC	ALL FARMS		FARMS WITH SALES OF $10,000 AND OVER	
	1978	1982	1978	1982
Principal occupation:				
Farming	1,269	1,235	934	901
Other	988	1,006	246	242
Place of residence: [2]				
On farm operated	1,566	1,581	876	833
Not on farm operated	422	429	197	202
Years on present farm: [2]				
2 years or less	(NA)	127	(NA)	53
3-4 years	(NA)	193	(NA)	83
5-9 years	(NA)	380	(NA)	167
10 years or more	(NA)	1,098	(NA)	638
Days worked off farm: [2]				
None	943	862	654	591
Less than 100 days	252	224	164	141
100-199 days	181	189	79	77
200 days or more	770	775	214	213

NA Not available. [1] Operators of Hispanic origin may be of any race. [2] Excludes not reported.

Source: U.S. Bureau of the Census, *1982 Census of Agriculture,* vol. 1.

NO. 1084. FARMS—NUMBER, ACREAGE, AND VALUE, BY TYPE OF ORGANIZATION: 1978 AND 1982

[Excludes abnormal farms (institutional farms, experimental and research farms, Indian reservations, etc.)]

ITEM	Unit	Total [1]	Individual or family	Partnership	Corporation	PERCENT DISTRIBUTION			
						Total [1]	Individual or family	Partnership	Corporation
Number of farms: 1978	1,000	2,256	1,966	233	50	100.0	87.2	10.3	2.2
1982	1,000	2,239	1,946	223	60	100.0	86.9	10.0	2.7
Land in farms: 1978	Mil. acres	959	673	158	120	100.0	70.2	16.5	12.5
1982	Mil. acres	932	642	152	127	100.0	68.9	16.3	13.6
Value of land and buildings: [2] 1978	Bil. dol	623	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982	Bil. dol	763	547	119	90	100.0	71.7	15.6	11.8
Value of farm products sold: 1978	Mil. dol	106,829	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982	Mil. dol	131,580	77,907	21,520	31,480	100.0	59.2	16.4	23.9

NA Not available. [1] Includes other types, not shown separately. [2] Based on a sample of farms.

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1.

NO. 1085. IRRIGATED FARMS AND ACREAGE—SELECTED STATES: 1984

[Based on a sample of irrigators selected from irrigated farms identified in the 1982 Census of Agriculture excluding all irrigators in 1982 in Alaska, Hawaii, and abnormal and horticultural specialty farms in the 48 conterminous States. (For definition of abnormal farms, see headnote, table 1084.) Most of the excluded irrigated farms were horticultural specialty farms and accounted for 889,645 acres irrigated or 1.8 percent of the land irrigated in 1982. No attempt was made to identify and select new irrigators for 1984. Irrigated land is defined as the acreage in farms to which water is artificially applied]

STATE	Irrigated farms (1,000)	Acres in farms (1,000)	Acres irrigated (1,000)	STATE	Irrigated farms (1,000)	Acres in farms (1,000)	Acres irrigated (1,000)
Conterminous U.S. [1]	**212.4**	**175,134**	**44,731**	Montana	7.9	16,769	1,877
				Arkansas	4.8	4,439	1,872
California	48.3	17,282	7,805	Oregon	12.1	10,840	1,776
Nebraska	19.2	19,321	5,828	Wyoming	4.6	14,630	1,580
Texas	13.7	14,458	4,921	Washington	13.1	4,007	1,482
Idaho	15.5	7,117	3,255	Florida	5.9	4,991	1,479
Colorado	13.4	15,380	3,106	Utah	10.0	3,767	1,054
Kansas	6.2	8,935	2,315	Arizona	3.4	4,729	[illegible]

[1] Includes other States not shown separately.

Source: U.S. Bureau of the Census, *1984 Farm and Ranch Irrigation Survey*, (AG84-SR-1), 1986.

NO. 1086. FOREIGN OWNERSHIP OF U.S. AGRICULTURAL LAND: 1987

[**In thousands of acres, except percent.** Covers "foreign persons" reporting under the Agricultural Foreign Investment Disclosure Act of 1978. As defined in the Act, a "foreign person" is any person who is not a U.S. citizen and who is not a permanent resident alien of the U.S. Foreign governments and entities are also "foreign persons." Also, each successive link in a chain of U.S. entities containing foreign interests is considered a "foreign person." An entity is deemed a "foreign person" if it is 10 percent or more foreign owned by a single foreign person or foreign persons acting in concert, or 50 percent foreign owned by a group of foreign persons not acting in concert, none of whom individually holds a 10 percent or greater interest in the entity. Therefore acreage figures reported do not necessarily mean that they are wholly owned by foreign investors. Covers reports received and accepted as of December 31, 1987]

CHARACTERISTIC	ACREAGE OWNED [1]		ACREAGE ACQUIRED [2]		CHARACTERISTIC	ACREAGE OWNED [1]		ACREAGE ACQUIRED [2]	
	Total	Percent	Total	Percent		Total	Percent	Total	Percent
Total [3]	**12,535**	**100.0**	**325**	**100.0**	Country of foreign owner:				
Type of owner:					Canada	1,452	11.6	75	23.1
Corporation	10,058	80.2	271	83.4	Japan	115	.9	2	.6
Partnership	1,292	10.3	34	10.5	Netherlands	141	1.1	1	.3
Individual	989	7.9	17	5.2	Netherlands Antilles	486	3.9	-	-
Other	196	1.6	3	.9	Switzerland	247	2.0	19	5.8
Size of holding:					United Kingdom	284	2.3	7	2.2
Less than 100 acres	128	1.0	2	.6	West Germany	717	5.7	23	7.1
100-299 acres	303	2.4	7	2.1	Through U.S. interest: [4]				
300-999 acres	888	7.1	22	6.8	Canada	1,045	8.3	10	3.1
1,000 acres or more	11,216	89.5	294	90.5	Japan	34	.3	4	1.2
Land use:					Netherlands	381	3.0	33	10.2
Cropland	2,115	16.9	67	20.6	Netherlands Antilles	242	1.9	18	5.5
Pasture	2,961	23.6	125	38.5	Switzerland	244	1.9	4	1.2
Forest	6,294	50.2	103	31.7	United Kingdom	3,511	28.0	13	4.0
Other agriculture	550	4.4	16	4.9	West Germany	415	3.3	30	9.2
Other nonagriculture	614	4.9	14	4.3					

- Represents or rounds to zero. [1] Landholdings by foreign interests as of Dec. 31. [2] Acquisitions by foreign interests from Jan. 1-Dec. 31, 1987. [3] Includes other countries not shown separately. [4] Reports filed by U.S. corporations with foreign shareholders.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Ownership of U.S. Agricultural Land through December 31, 1987* (Economic Research Service Staff Report AGES 880314), 1988.

No. 1087. FARM REAL ESTATE—SUMMARY: 1970 TO 1988

[1970 and 1975, value data as of **Mar. 1; 1980–1981** and **1986–1988,** as of **Feb. 1; 1982–1985,** as of **April 1.** Excludes Alaska and Hawaii. 1970 value data based on 1969 census definition of farms and farmland; beginning 1975, based on 1974 census definition, see text, section 23. Total value of land and buildings is estimated by multiplying the number of acres of farmland by the average value per acre of land and buildings. Average values are based on land-value data obtained from the census of agriculture. For intercensal years, estimates are made using indexes of average value per acre. Indexes of average value per acre are based on surveys conducted by the U.S. Dept. of Agriculture]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total value	**Bil. dol.**	**215.0**	**358.6**	**763.3**	**843.7**	**843.3**	**804.8**	**793.9**	**686.2**	**597.6**	**546.2**	**563.3**
Land	Bil. dol.	175.5	300.5	658.0	728.3	729.8	697.3	688.9	595.8	518.3	473.1	488.3
Buildings	Bil. dol.	39.5	58.1	105.3	115.4	113.5	107.5	105.0	90.4	79.4	73.1	75.0
Average value per acre [1]	**Dollars**	**196**	**340**	**737**	**819**	**823**	**788**	**782**	**679**	**595**	**547**	**564**
Index	1977 = 100	42	75	145	158	157	148	146	128	112	103	106
Average value, operating unit	$1,000	73.0	142.5	314.4	347.3	352.0	340.3	341.8	302.4	270.8	251.9	259.7

[1] Land and buildings.

Source: U.S. Dept. of Agriculture, Economic Research Service, 1970–1984, *Farm Real Estate Market Developments,* annual; thereafter, *Agricultural Land Values and Markets,* annual.

No. 1088. FARM REAL ESTATE—VALUE OF LAND AND BUILDINGS, BY STATE: 1980 TO 1988

[See headnote, table 1087. See also *Historical Statistics, Colonial Times to 1970,* series K 16]

STATE	VALUE OF LAND AND BUILDINGS (mil. dol.)				AVERAGE VALUE OF LAND AND BUILDINGS, PER ACRE				INDEXES OF AVERAGE VALUE PER ACRE (1977 = 100)			
	1980	1985	1987	1988	1980	1985	1987	1988	1980	1985	1987	1988
U.S.	**763,285**	**686,194**	**546,223**	**563,265**	**$737**	**$679**	**$547**	**$564**	**145**	**128**	**103**	**106**
Alabama	9,516	8,844	8,039	8,042	780	769	731	731	149	154	146	146
Arizona	10,173	9,938	8,957	7,915	267	265	242	214	[1] 167	[2] 163	149	131
Arkansas	15,147	13,584	9,767	9,931	918	849	634	645	163	152	114	116
California	48,131	56,785	44,557	43,701	1,424	1,728	1,366	1,341	166	201	159	156
Colorado	13,932	14,964	12,370	12,386	387	435	364	364	147	154	129	129
Connecticut	1,170	1,540	1,785	2,162	2,387	3,208	4,056	4,914	[3] 135	[3] 185	[3] 234	283
Delaware	1,169	1,067	1,118	1,194	1,798	1,642	1,775	1,895	151	128	138	148
Florida	18,505	19,851	19,033	20,750	1,361	1,527	1,464	1,596	[4] 141	147	141	154
Georgia	13,440	11,678	11,003	11,241	896	885	846	865	132	116	113	115
Idaho	10,610	10,861	7,822	8,166	698	749	567	592	134	129	98	102
Illinois	58,781	37,712	29,752	31,850	2,041	1,314	1,040	1,114	135	84	67	72
Indiana	31,298	20,648	15,077	15,918	1,863	1,259	931	983	150	96	71	75
Iowa	62,192	35,750	25,061	29,803	1,840	1,064	746	890	139	77	54	64
Kansas	28,352	22,363	16,304	17,637	587	466	340	368	134	98	71	77
Kentucky	14,250	13,137	11,476	11,403	976	906	791	786	147	129	113	112
Louisiana	12,886	12,665	7,115	6,865	1,256	1,256	734	708	169	161	106	102
Maine	959	1,301	1,645	1,879	504	856	1,082	1,236	[3] 135	[3] 135	[3] 234	267
Maryland	6,154	5,452	4,394	4,834	2,238	2,097	1,831	2,014	166	158	138	152
Massachusetts	1,158	1,613	2,039	2,403	1,608	2,372	2,999	3,534	[3] 135	[3] 185	[3] 234	276
Michigan	12,665	11,993	9,416	9,639	1,111	1,052	833	853	138	121	96	98
Minnesota	32,906	25,019	14,799	16,889	1,006	523	493	563	154	80	66	75
Mississippi	11,957	11,774	9,023	9,080	819	635	654	657	156	163	120	129
Missouri	28,232	20,297	16,862	17,503	902	659	552	571	154	102	85	88
Montana	14,546	13,542	10,183	9,948	235	222	167	164	142	125	94	92
Nebraska	30,290	20,957	15,810	17,280	635	444	335	366	137	82	62	68
Nevada	2,230	2,015	1,858	1,698	248	229	211	193	[1] 178	[2] 173	160	146
New Hampshire	547	766	933	1,059	1,004	1,419	1,794	2,037	[3] 135	[3] 185	[3] 234	267
New Jersey	3,006	3,314	4,523	5,260	2,947	3,525	5,321	6,189	120	141	213	247
New Mexico	8,658	7,335	5,425	5,870	185	163	122	132	[1] 166	[2] 162	121	131
New York	6,766	7,353	8,009	8,223	720	808	931	956	119	128	148	152
North Carolina	14,262	13,414	11,840	11,471	1,219	1,242	1,096	1,062	141	142	125	121
North Dakota	16,886	14,724	11,419	11,846	405	360	282	292	136	116	91	95
Ohio	28,026	17,791	14,702	15,461	1,730	1,126	942	991	156	90	75	79
Oklahoma	21,244	18,678	14,130	13,893	614	566	428	421	143	126	95	93
Oregon	10,625	10,422	8,581	8,334	587	579	479	466	132	114	95	92
Pennsylvania	13,176	13,137	14,663	15,462	1,464	1,510	1,725	1,820	140	127	145	152
Rhode Island	186	243	308	455	2,523	3,335	4,217	6,240	[3] 135	[3] 185	[3] 234	346
South Carolina	5,760	4,944	4,126	4,546	900	899	794	874	130	121	107	118
South Dakota	13,140	11,125	7,941	8,333	292	250	178	187	141	101	72	76
Tennessee	13,274	13,159	12,747	13,914	976	982	1,012	1,104	136	127	131	143
Texas	60,255	88,346	64,153	62,113	436	652	482	466	144	229	169	164
Utah	6,572	5,962	5,132	4,840	530	514	454	428	[1] 169	[2] 165	146	137
Vermont	1,255	1,627	2,057	2,151	721	1,017	1,286	1,345	[3] 135	[3] 185	[3] 234	246
Virginia	10,074	10,474	10,667	10,972	1,028	1,091	1,111	1,143	139	140	143	147
Washington	11,997	14,860	11,422	11,038	736	923	723	699	124	151	118	114
West Virginia	2,810	1,994	1,949	2,004	669	554	527	542	150	143	136	140
Wisconsin	18,674	14,992	10,957	11,024	1,004	847	626	630	150	126	93	94
Wyoming	5,636	6,160	5,252	4,877	161	177	151	140	126	[2] 122	104	97

[1] Estimated by combining survey data to obtain an average rate of change for Arizona, Nevada, New Mexico, and Utah.

[2] Estimated using the average of the percentage changes in the Colorado, Idaho, and Montana indexes.

[3] Estimated by combining survey data to obtain an average rate of change for New England States.

[4] Estimated using the average of the percentage changes in the Alabama and Georgia indexes.

Source: U.S. Dept. of Agriculture, Economic Research Service, 1980, *Farm Real Estate Market Developments,* annual; beginning 1985, *Agricultural Land Values and Markets,* annual.

No. 1089. Balance Sheet of the Farming Sector: 1970 to 1987

[In billions of dollars, except percent. As of December 31. Includes farm operator households. See *Historical Statistics, Colonial Times to 1970,* series K 204-219, for data before revisions]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS [1]					
	1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1986	1987
Assets	324.0	576.1	1,102.3	845.4	789.4	813.1	771.3	971.5	1,286.2	758.2	690.6	692.0
Physical assets:												
Real estate	223.8	420.6	850.8	606.4	554.0	567.2	532.8	709.3	992.6	543.8	484.7	482.7
Non-real estate	77.0	125.2	212.3	190.0	181.6	190.0	183.4	211.2	247.7	170.4	158.9	161.7
Livestock and poultry [2]	23.7	29.4	60.6	46.3	47.6	57.6	56.4	49.6	70.8	41.5	41.7	49.0
Machinery, motor vehicles	34.4	63.1	99.3	92.4	84.4	78.6	81.8	106.4	115.9	82.9	73.8	66.9
Crops stored	9.0	21.1	33.0	23.5	19.1	20.5	21.3	35.5	38.5	21.0	16.7	17.5
Household furnishings, equipment	10.0	11.7	19.4	27.8	30.5	33.3	23.7	19.7	22.6	25.0	26.6	28.3
Financial assets	23.2	30.3	39.1	49.0	53.8	55.9	55.2	51.1	45.7	43.9	47.0	47.6
Deposits and currency	12.4	14.5	16.2	21.1	24.8	26.4	29.6	24.5	18.9	18.9	21.7	22.5
Savings bonds	3.6	3.9	3.8	3.9	4.5	5.0	8.5	6.5	4.4	3.5	4.0	4.2
Investment in cooperatives	7.2	11.9	19.2	24.0	24.4	24.5	17.0	20.0	22.4	21.5	21.3	20.8
Claims	324.0	576.1	1,102.3	845.4	789.4	813.1	771.3	971.5	1,286.2	758.2	690.6	692.0
Debt	52.8	91.5	178.7	188.0	166.8	153.3	125.6	154.2	208.5	168.6	145.9	130.5
Real estate debt	30.5	49.9	97.5	105.9	95.8	87.4	72.6	84.1	113.8	94.9	83.8	74.4
Non-real estate debt	22.3	41.6	81.2	82.2	71.0	65.9	53.0	70.2	94.6	73.7	62.1	56.1
Equity	271.2	484.6	923.6	657.3	622.6	659.8	645.7	817.2	1,077.7	589.5	544.7	561.5

[1] Constant dollar figures are based on gross national product implicit price deflators for year. [2] Excludes horses and mules.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1987,* and unpublished data.

No. 1090. Farm Debt Outstanding, by Type of Lender: 1970 to 1987

[In billions of dollars, except percent. As of December 31. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970,* series K 361-367 and K 376-380]

LENDER	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Farm debt, total	52.8	91.5	136.6	162.5	178.7	195.4	203.1	206.5	204.4	188.0	166.8	153.3
Annual percent change [1]	6.1	11.6	14.9	19.0	10.0	9.3	3.9	1.7	–1.0	–8.0	–11.3	–8.1
Farm debt/asset ratio (percent)	16.3	15.9	15.7	16.1	16.2	17.7	19.0	19.7	21.5	22.2	21.1	18.9
Real estate debt	30.5	49.9	72.8	86.8	97.5	107.2	111.3	113.7	112.4	105.9	95.8	87.4
Federal land banks	7.1	16.0	24.8	29.8	36.2	43.8	47.8	48.9	49.2	44.7	37.7	32.3
Life insurance companies	5.6	6.7	10.5	12.2	12.9	13.1	12.8	12.7	12.4	11.9	10.9	9.9
Commercial and savings banks	3.8	6.3	8.6	8.6	8.5	8.3	8.4	9.3	10.2	11.4	12.7	14.5
Farmers Home Administration [2]	2.4	3.4	4.1	6.9	8.2	8.9	9.2	9.5	10.1	10.4	10.3	10.1
Individuals and others [3]	11.4	17.3	23.6	27.9	30.2	31.8	32.0	32.3	29.9	27.2	24.0	20.6
CCC [4] storage and drying facilities loans	.1	.2	1.1	1.4	1.5	1.3	1.1	.9	.6	.3	.1	-
Non-real estate debt	22.3	41.6	63.8	75.7	81.2	88.2	91.8	92.7	92.0	82.2	71.0	65.9
Commercial and savings banks	11.1	20.2	28.3	31.0	31.6	32.9	36.1	39.0	39.6	35.5	31.2	29.0
Production credit associations [5]	5.5	11.1	15.5	18.8	20.5	22.1	21.4	20.2	18.8	14.6	11.3	9.7
Farmers Home Administration	.8	1.8	5.8	9.3	11.4	14.4	14.7	14.6	15.6	16.7	16.4	16.0
Individuals and others [6]	4.9	8.6	14.3	16.6	17.7	18.8	19.5	18.9	18.0	15.4	12.4	11.1

– Represents zero. [1] Annual change from prior year shown; for 1970, change from 1965. For explanation of annual percent change, see Guide to Tabular Presentation. [2] Includes direct and insured farm ownership, farm housing, soil and water and recreation loans secured by farm real estate. [3] Includes seller and other individual financing of farm real estate sales and unclassified credit sources. [4] Commodity Credit Corporation. [5] Also includes Federal intermediate credit bank loans to financial groups other than production credit associations. [6] Includes merchants and dealers, individuals, Small Business Administration, and all other unclassified credit sources.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1987.*

No. **1091.** FARMS AND FARM DEBT—PERCENTAGE DISTRIBUTION BY DEBT/ASSET RATIO: 1988

[As of **January** 1. A farm is a crop or livestock farm if 50 percent or more of its commodity receipts derive from the sale of crop or animal products, respectively. A crop or livestock farm is further categorized as a particular type if 50 percent of its crop or, if applicable, livestock receipts come from a specific commodity area. Based on Farm Costs and Returns Survey conducted in February-March 1988 for the 1987 calendar year]

VALUE OF SALES AND TYPE OF FARM	FARMS—PERCENT DISTRIBUTION BY DEBT/ASSET RATIO				FARM OPERATOR DEBT—PERCENT DISTRIBUTION BY DEBT/ASSET RATIO			
	Total	Less than 40 percent	40-70 percent	Over 70 percent	Total	Less than 40 percent	40-70 percent	Over 70 percent
All farms	**100.0**	**85.0**	**10.0**	**5.0**	**100.0**	**45.1**	**31.4**	**23.5**
Less than $10,000	100.0	90.3	7.0	2.7	100.0	54.0	30.0	16.0
$10,000-$19,999	100.0	89.9	7.1	3.0	100.0	57.2	27.3	15.5
$20,000-$39,999	100.0	86.9	7.8	5.3	100.0	53.2	23.5	23.3
$40,000-$99,999	100.0	78.7	13.1	8.2	100.0	42.5	28.2	29.3
$100,000-$249,999	100.0	73.5	18.1	8.4	100.0	41.6	36.3	22.1
$250,000-$499,999	100.0	73.3	17.7	9.0	100.0	44.3	35.0	20.7
$500,000 and over	100.0	70.7	18.4	10.9	100.0	41.9	28.6	29.5
Cash grain	100.0	79.7	12.3	8.0	100.0	41.6	34.0	24.4
Cotton, tobacco	100.0	84.4	10.4	5.2	100.0	52.0	25.3	22.7
Other field crops	100.0	82.5	9.4	8.1	100.0	40.9	31.3	27.8
Vegetable, fruit, and nut	100.0	87.6	7.4	5.0	100.0	38.3	23.3	38.4
Nursery, greenhouse	100.0	91.5	7.7	.8	100.0	68.1	29.0	2.9
General livestock	100.0	89.8	7.5	2.7	100.0	49.8	30.0	20.2
Dairy	100.0	75.0	17.7	7.3	100.0	42.6	34.7	22.6
Poultry and egg	100.0	78.0	16.0	6.0	100.0	47.7	39.5	12.8
Other livestock	100.0	87.6	8.9	3.5	100.0	53.0	24.7	22.3

Source: U.S. Dept. of Agriculture, Economic Research Service, *Financial Characteristics of U.S. Farms, January 1, 1988* (AIB No. 551), 1988.

No. **1092.** INDICATORS OF FINANCIAL STRESS IN AGRICULTURE, 1980 TO 1987, AND BY FARM REGION, 1987

[**In percent.** For years ending in **June**, except as noted. Based on a survey of approximately 1,000 bankers which reflects their perception of farm financial conditions in their lending areas]

FINANCIAL STRESS INDICATOR	1980	1984	1985	1986	1987					
					Total	Northeast [1]	Corn Belt [2]	South [3]	Plains [4]	West [5]
Average delinquency rate [6] [7]	(NA)	4.4	5.3	6.0	2.7	2.9	2.3	3.0	2.9	3.2
Farm borrowers who had bank financing discontinued	4.5	3.4	4.5	5.8	3.3	3.4	2.9	5.0	3.2	3.5
Farm borrowers loaned-up to practical limit [7] [8]	27	33	37	39	29	28	25	38	30	35
Farmers in bank lending area who went out of business	2.1	3.6	4.8	6.2	4.6	5.5	4.1	6.5	4.2	3.8
Farmers in bank lending area who went through bankruptcy	(NA)	2.6	3.8	4.2	3.3	3.3	3.4	5.6	2.6	3.0

NA Not available. [1] ME, NH, VT, MA, RI, CT, NY, NJ, PA, DE, MD, DC, MI, WI, and MN. [2] OH, IN, IL, IA, and MO. [3] VA, WV, NC, SC, GA, FL, KY, TN, AL, MS, AR, and LA. [4] ND, SD, NE, KS, OK, and TX. [5] MT, ID, WY, CO, NM, AZ, UT, NV, WA, OR, CA, AK, and HI. [6] Percentage of dollar farm loan volume 30 days or more delinquent. [7] As of June of year shown. [8] Farm customers who have reached their maximum debt load.

Source: American Bankers Association, Washington, DC, *Agricultural Banker*, selected issues.

No. **1093.** NET CASH INCOME AND NET CASH FLOW FROM FARMING: 1970 TO 1987

[**In billions of dollars.** Net cash income is for farm operators from their farming operation and net cash flow is for the agricultural sector. Minus sign (–) indicates net loan redemption or decrease]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Net cash income	18.4	29.6	33.1	33.4	34.2	32.8	37.8	36.9	38.7	46.6	51.4	57.1
Gross cash income	54.8	90.7	117.3	135.1	143.3	146.0	150.6	150.4	155.2	156.8	152.0	160.4
Cash expenses	36.4	61.1	84.2	101.7	109.1	113.2	112.8	113.5	116.6	110.2	100.6	103.3
Change in loans outstanding	2.3	9.2	16.5	24.2	15.2	15.5	7.2	3.2	–1.9	–15.6	–19.9	–12.6
Real estate loans	1.1	4.6	8.3	13.0	9.9	9.0	3.8	2.3	–1.1	–6.0	–10.7	–7.7
Nonreal estate loans [1]	1.2	4.6	8.3	11.2	5.3	6.5	3.4	.9	–.8	–9.6	–9.2	–4.9
Net change in operators' currency and demand deposits	.1	.1	.1	.1	.1	.2	.2	.3	.2	.7	1.1	–.2
Net rent received by nonoperator landlords	2.1	4.0	4.0	6.2	6.1	6.2	6.1	5.1	8.6	8.2	6.7	7.0
Capital expenditures	6.8	12.4	17.9	20.1	18.0	16.8	13.3	12.7	12.5	9.6	8.5	9.8
Net cash flow [2]	16.1	30.5	35.8	43.8	37.6	37.8	38.1	32.8	33.1	30.2	30.8	41.4

[1] Excludes Commodity Credit Corporation loans. [2] Net cash income plus change in loans outstanding plus net change in currency and demand deposits plus net rent received by non-operator landlords minus capital expenditures.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary*, annual.

NO. 1094. GROSS FARM PRODUCT—SUMMARY: 1970 TO 1987

[In billions of dollars. For definition of gross product, see text, section 14. Minus sign (–) indicates decrease]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS												
Total value of farm output [1]	**55.1**	**99.8**	**125.7**	**149.5**	**148.4**	**164.3**	**159.0**	**142.9**	**166.8**	**158.8**	**148.3**	**153.4**
Farm marketings cash receipts [2]	50.5	88.9	112.2	131.5	139.8	142.1	142.9	133.1	141.7	144.9	133.7	138.4
Farm products consumed [3]	.8	1.1	1.1	1.2	1.1	1.1	1.0	1.1	1.1	.9	.9	.9
Change in farm inventories	–	3.4	2.1	5.0	–5.9	5.8	–1.4	–7.5	7.1	–3.3	–1.9	–1.5
Gross rental value of farm housing	3.3	5.4	8.1	9.3	11.0	12.6	12.9	12.1	12.2	10.9	9.8	9.2
Less: Intermediate products purchased [4]	28.8	49.5	65.4	77.7	82.9	84.5	82.0	83.6	89.2	83.4	72.9	77.5
Equals: Gross farm product	**26.3**	**50.3**	**60.3**	**71.8**	**65.5**	**79.8**	**77.0**	**59.3**	**77.6**	**75.4**	**75.4**	**75.9**
Less: Capital consumption allowances [5]	5.9	10.4	14.5	16.4	18.9	20.8	22.0	22.4	22.5	22.0	21.2	20.5
Indirect business taxes	2.0	2.5	2.8	3.0	3.0	3.2	3.3	3.2	3.0	3.1	3.0	3.1
Plus: Subsidies to farm operators	3.3	.7	2.5	1.1	1.1	1.6	2.4	7.9	7.0	6.3	9.6	13.8
Equals: Farm national income	**21.7**	**38.1**	**45.5**	**53.4**	**44.7**	**57.3**	**54.0**	**41.7**	**59.2**	**56.6**	**60.7**	**66.1**
CONSTANT (1982) DOLLARS												
Total value of farm output [1]	**135.2**	**138.6**	**149.8**	**155.8**	**151.7**	**159.3**	**159.0**	**143.1**	**155.2**	**164.1**	**162.2**	**165.0**
Farm marketings cash receipts [2]	112.7	117.4	129.8	132.5	136.5	136.9	142.9	132.4	133.2	150.7	147.1	140.7
Farm products consumed [3]	1.7	2.0	1.5	1.4	1.2	1.1	1.0	1.1	1.0	1.0	.9	.8
Change in farm inventories	.8	1.4	.6	4.6	–4.7	4.9	–1.4	–6.3	4.6	–4.3	–2.5	–2.5
Gross rental value of farm housing	16.3	16.4	15.4	14.9	14.3	13.6	12.9	12.3	12.1	11.7	11.4	11.1
Less: Intermediate products purchased [4]	74.5	73.8	88.8	91.2	87.6	83.5	82.0	81.8	86.7	84.7	78.5	82.5
Equals: Gross farm product	**60.7**	**64.8**	**61.0**	**64.6**	**64.2**	**75.7**	**77.0**	**61.3**	**68.5**	**79.4**	**83.7**	**82.5**
Less: Capital consumption allowances [5]	16.0	19.0	21.0	21.7	22.3	22.2	22.0	21.4	20.8	20.0	19.0	18.0
Indirect business taxes	2.6	2.8	2.6	2.8	2.8	3.3	3.3	2.7	3.0	3.4	3.6	3.6
Plus: Subsidies to farm operators	1.6	1.8	2.0	2.1	2.3	2.2	2.4	2.0	2.0	2.5	2.4	2.4
Equals: Farm national income	**43.7**	**44.7**	**39.3**	**42.2**	**41.4**	**52.4**	**54.0**	**39.3**	**46.8**	**58.5**	**63.5**	**63.3**

– Represents zero. [1] Includes other farm income not shown separately. [2] Includes net CCC loans. [3] In farm households where raised. [4] Net of defaulters' gain. [5] With capital consumption adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82,* and *Survey of Current Business,* July issues.

NO. 1095. FARM INCOME AND EXPENSES: 1970 TO 1987

[In billions of dollars. See also *Historical Statistics, Colonial Times to 1970,* series K 192, K 259–260, K 264–265, and K 326]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Gross income from farming	**58.8**	**100.6**	**128.4**	**150.7**	**149.3**	**166.3**	**163.5**	**153.1**	**174.9**	**166.2**	**159.8**	**169.8**
Cash income	54.8	90.7	117.3	135.1	143.3	146.0	150.6	150.4	155.2	156.8	152.0	160.4
Marketings, cash receipts	50.5	88.9	112.4	131.5	139.7	141.6	142.6	136.6	142.4	144.0	135.1	138.1
Crops [1]	21.0	45.8	53.2	62.3	71.7	72.5	72.3	67.1	69.5	74.2	63.6	61.9
Net CCC loans [2]	–.1	.2	(Z)	–.9	.5	3.1	9.1	–.7	–.8	11.8	8.3	.2
Livestock	29.5	43.1	59.2	69.2	68.0	69.2	70.3	69.4	73.0	69.8	71.5	76.2
Government payments	3.7	.8	3.0	1.4	1.3	1.9	3.5	9.3	8.4	7.7	11.8	16.7
Other farm income [1]	.6	1.0	1.9	2.2	2.3	2.5	4.5	4.5	4.4	5.0	5.1	5.6
Value of home consumption	.8	1.1	1.2	1.3	1.2	1.2	1.1	1.1	1.1	.9	.9	.9
Rental value of dwellings	3.3	5.4	8.1	9.3	11.0	12.6	13.1	12.5	12.3	10.9	9.7	9.1
Value of change in inventories [3]	(Z)	3.4	1.9	5.0	–6.3	6.5	–1.4	–10.9	6.3	–2.4	–2.8	–.6
Expenses of farm production	**44.5**	**75.1**	**103.2**	**123.3**	**133.1**	**139.4**	**140.0**	**140.4**	**142.7**	**134.0**	**122.3**	**123.5**
Intermediate products	25.2	42.5	60.2	71.9	76.1	76.6	73.7	75.8	76.0	72.2	65.8	68.6
Farm origin	13.3	20.0	28.8	35.2	34.9	33.3	31.4	33.5	32.8	30.3	28.9	31.1
Feed purchased	8.0	12.9	16.0	19.3	21.0	20.9	18.6	21.7	19.9	18.0	16.2	16.1
Livestock, poultry purchased	4.3	5.0	10.2	13.0	10.7	9.0	9.7	8.8	9.5	9.0	9.7	12.0
Seed purchased [4]	.9	2.1	2.6	2.9	3.2	3.4	3.2	3.0	3.4	3.4	3.0	3.0
Manufactured inputs	5.4	12.4	15.3	17.9	22.4	23.9	22.2	20.9	21.5	21.0	17.0	16.8
Fertilizer and lime	2.4	6.7	6.6	7.4	9.5	9.4	8.0	7.1	7.4	7.3	5.8	5.4
Pesticides	1.0	1.8	2.7	3.4	3.5	4.2	4.3	4.2	4.8	5.0	4.5	4.6
Fuel and oil	1.7	3.3	4.6	5.6	7.9	8.6	7.9	7.5	7.1	6.6	4.8	4.4
Electricity	.3	.6	1.4	1.4	1.5	1.7	2.0	2.1	2.2	2.1	1.9	2.4
Repairs and maintenance [5]	2.8	4.5	6.6	7.3	7.6	7.6	6.4	6.5	6.4	6.4	6.4	6.5
Other [6]	3.7	5.6	9.5	11.5	11.2	11.9	13.6	14.9	15.3	14.5	13.5	14.1
Interest	3.4	6.4	10.2	13.1	16.3	19.9	21.8	21.4	21.1	18.7	16.9	15.5
Real estate	1.8	3.3	5.1	6.2	7.5	9.1	10.5	10.8	10.7	9.9	9.1	8.2
Non-real estate	1.6	3.1	5.2	6.9	8.7	10.7	11.3	10.6	10.4	8.8	7.8	7.3
Contract, hired labor expenses [7]	4.3	6.6	8.3	9.0	9.3	8.9	10.1	9.7	9.7	9.8	9.9	10.7
Net rent to nonoperator landlords	2.1	4.0	4.0	6.2	6.1	6.2	6.1	5.1	8.6	8.2	6.7	7.0
Capital consumption [8]	6.9	12.4	17.0	19.3	21.5	23.6	24.3	23.9	23.1	20.8	18.9	17.3
Property taxes	2.6	3.2	3.6	3.9	3.9	4.2	4.0	4.5	4.1	4.2	4.1	4.3
Net income of farm operators from farming	**14.4**	**25.5**	**25.2**	**27.4**	**16.1**	**26.9**	**23.5**	**12.7**	**32.2**	**32.3**	**37.5**	**46.3**
In constant (1982) dollars	34.2	43.1	34.9	34.9	18.8	28.6	23.5	12.2	29.9	29.1	32.9	38.3

Z Less than $50 million. [1] Forest product sales are included in cash receipts for crops for 1970 and 1975 and in other farm income beginning 1978. [2] Commodity Credit Corporation (CCC) loans made minus loans repaid. [3] Minus sign (–) indicates decrease in inventories. [4] Includes bulbs, plants, and trees. [5] Expenditures for repairs and maintenance of farm buildings, motor vehicles, and machinery. [6] Includes machine hire and customwork expenses; marketing, storage, and transportation expenses and miscellaneous expenses. Beginning 1978 data not strictly comparable with prior years. [7] Includes Social Security payments and perquisites. [8] Depreciation and accidental damage.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary,* annual.

NO. 1096. FARM INCOME—CASH RECEIPTS FROM FARM MARKETINGS: 1970 TO 1987

[Represents gross receipts from commercial market sales as well as net Commodity Credit Corporation loans. See also *Historical Statistics, Colonial Times to 1970*, series K 286–302]

ITEM	FARM MARKETINGS (mil. dol.)								PERCENT		
	1970	1975	1980	1983	1984	1985	1986	1987	1970	1980	1987
Total	**50,509**	**88,902**	**139,737**	**136,567**	**142,436**	**144,015**	**135,102**	**138,094**	**100.0**	**100.0**	**100.0**
All crops	20,977	45,813	71,746	67,129	69,460	74,173	63,554	61,876	41.5	51.3	44.8
Feed crops	5,109	12,183	18,308	15,535	15,666	22,520	16,982	13,061	10.1	13.1	9.5
Corn	3,326	8,530	13,959	10,857	10,479	16,852	12,544	8,807	6.6	10.0	6.4
Hay	614	1,367	1,917	2,157	2,322	2,348	2,094	2,223	1.2	1.4	1.6
Sorghum	641	1,302	1,392	1,220	1,469	1,081	1,328	1,009	1.3	1.0	.7
Barley	298	625	736	991	1,066	1,040	822	762	.6	.5	.6
Oil-bearing crops	3,591	7,480	15,493	13,546	13,641	12,474	10,592	10,800	7.1	11.1	7.8
Soybean	3,164	6,637	14,241	12,154	11,957	11,160	9,211	9,565	6.3	10.2	6.9
Peanuts	360	742	607	602	1,233	1,005	1,075	1,016	.7	.4	.7
Food grains	2,542	8,195	10,402	9,713	9,740	8,993	5,631	5,411	5.0	7.4	3.9
Wheat	2,067	7,026	8,854	8,777	8,586	7,011	4,880	4,869	4.1	6.3	3.5
Rice	447	1,136	1,519	882	1,096	1,042	722	516	.1	1.1	.4
Vegetables [1]	2,814	5,346	7,307	8,450	9,137	8,558	8,630	9,223	5.6	5.2	6.7
Potatoes	(NA)	(NA)	(NA)	1,669	1,921	1,604	1,371	1,586	(NA)	(NA)	1.2
Tomatoes	(NA)	(NA)	(NA)	1,137	1,240	1,198	1,265	1,283	(NA)	(NA)	.9
Fruits, tree nuts [1]	2,071	3,563	6,557	6,056	6,737	6,843	7,288	7,869	4.1	4.7	5.7
Oranges	(NA)	(NA)	(NA)	1,335	1,357	1,340	1,156	1,300	(NA)	(NA)	.9
Apples	(NA)	(NA)	(NA)	739	951	892	990	1,091	(NA)	(NA)	.8
Cotton lint, seed	1,254	2,311	4,447	3,705	3,674	3,687	3,551	4,027	2.5	3.2	2.9
Tobacco	1,388	2,155	2,672	2,752	2,813	2,722	1,918	1,827	2.7	1.9	1.3
Greenhouse, nursery	2,208	4,579	6,560	4,529	5,227	5,443	5,848	6,402	4.4	4.7	4.6
Other [2]				2,836	2,833	2,935	3,114	3,256			2.4
All livestock and products	29,532	43,089	67,991	69,438	72,966	69,842	71,548	76,218	58.5	48.7	55.2
Cattle and calves	13,633	17,520	31,819	28,682	30,662	29,057	28,923	33,829	27.0	22.8	24.5
Dairy products	6,527	9,923	16,365	18,763	17,944	18,063	17,753	17,829	12.9	11.7	12.9
Hogs	4,478	7,916	8,942	9,785	9,703	9,029	9,716	10,326	8.9	6.4	7.5
Broilers	1,464	2,953	4,303	4,873	6,018	5,680	6,777	6,176	2.9	3.1	4.5
Eggs	2,109	2,814	3,247	3,451	4,090	3,252	3,508	3,177	4.2	2.3	2.3
Turkeys	499	794	1,273	1,269	1,656	1,819	1,952	1,701	1.0	.9	1.2
Horses and mules	(³)	(³)	(³)	560	580	560	500	540	(³)	(³)	.4
Sheep and lambs	334	386	471	426	466	503	484	560	.7	.3	.3
Other poultry [4]	177	250	337	388	290	307	315	319	.4	.2	.2
Other [5]	³313	³534	³1,233	1,241	1,557	1,572	1,620	1,761	³.6	³.9	1.3

NA Not available. [1] Melons included with vegetables. [2] Sugar crops, forest products (for 1970 and 1975), mushrooms, legume and grass seeds, hops, mint, broom-corn, popcorn, hemp fiber and seed, and flax fiber. [3] Horses and mules included in other. [4] Farm chickens, ducks, geese, guineas, pigeons, quail, pheasants, and turkey hatching eggs. [5] Wool, mohair, honey, aquaculture, and other livestock.

NO. 1097. GOVERNMENT PAYMENTS TO FARMS, BY PROGRAM: 1980 TO 1987

[In millions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series K 326–329]

PROGRAM	1980	1983	1984	1985	1986	1987
Total	**1,286**	**9,295**	**8,430**	**7,705**	**11,814**	**16,747**
Feed grain	382	1,346	367	2,861	5,158	8,490
Wheat	211	864	1,795	1,950	3,500	2,931
Cotton	172	662	275	1,106	1,042	1,204
Rice	2	276	192	577	423	475
Wool	28	84	118	98	112	144
Conservation	214	188	191	189	254	1,531
Miscellaneous	276	¹5,874	¹5,493	¹924	1,325	1,972

[1] Includes value of commodities transferred to farmers under the payment-in-kind program (PIK). For 1983, $5.2 billion; for 1984, $4.5 billion; and for 1985, $.1 billion.

NO. 1098. FARMS, FARM INCOME, ASSETS, AND DEBT, BY VALUE OF SALES: 1987

[Minus sign (–) indicates loss]

FARMS WITH VALUE OF SALES OF—	Number of farms ¹ (1,000)	Gross income ² (bil. dol.)	Cash receipts (bil. dol.)	Govt. payments (mil. dol.)	Net income ² (bil. dol.)	Assets ³ (bil. dol.)	Debt ³ (bil. dol.)	Debt/asset ratio ³ (percent)	PERCENT DISTRIBUTION		
									Number of farms ¹	Gross income ²	Assets ³
Total	**2,176**	**170.4**	**138.1**	**16,747**	**46.9**	**813.1**	**153.3**	**18.9**	**100.0**	**100.0**	**100.0**
Less than $5,000	837	6.1	1.6	312	–1.2	102.0	9.4	9.2	38.5	3.6	12.5
$5,000–$9,999	302	4.5	2.2	514	.3	49.3	5.2	10.6	13.9	2.6	6.1
$10,000–$19,999	241	5.5	3.4	827	.5	52.3	6.6	12.6	11.1	3.2	6.4
$20,000–$39,999	209	8.5	5.8	1,529	1.3	65.3	9.3	14.2	9.6	5.0	8.0
$40,000–$99,999	286	24.4	18.1	4,271	5.4	146.2	25.8	17.6	13.2	14.3	18.0
$100,000–$249,999	201	37.7	30.4	5,263	10.4	179.9	36.5	20.3	9.2	22.2	22.1
$250,000–$499,999	71	28.8	24.7	2,705	9.1	113.2	25.3	22.3	3.2	16.9	13.9
$500,000 and over	29	54.9	51.8	1,328	21.2	105.0	35.3	33.6	1.3	32.2	12.9

[1] Based on 1974 census definition. See text, section 23. [2] Data are before inventory adjustment. For components of income, see table 1095. [3] Data as of December 31. Includes farm households.

Source of tables 1096–1098: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1987.*

No. 1099. Farm Assets, Debt, and Income, by State: 1986 and 1987

[**Assets and debt,** as of **December 31.** Includes farm operator households. Farm income data are after inventory adjustment]

DIVISION AND STATE	ASSETS (mil. dol.)		DEBT (mil. dol.)		Debt/asset ratio,[1] 1987 (percent)	GROSS FARM INCOME (mil. dol.)		NET FARM INCOME (mil. dol.)		Net farm income/debt ratio,[1] 1987 (percent)
	1986	1987	1986	1987		1986	1987	1986	1987	
U.S.	**789,413**	**813,074**	**166,815**	**153,291**	**18.9**	**159,833**	**169,766**	**37,496**	**46,264**	**28.9**
N.E.:										
ME	2,389	2,655	371	361	13.6	457	532	62	137	37.4
NH	1,241	1,379	77	70	5.1	153	148	35	33	44.9
VT	2,950	3,062	352	330	10.8	468	479	99	124	36.2
MA	2,794	3,242	248	241	7.4	524	505	204	182	74.5
RI	382	549	27	27	4.9	88	88	49	46	172.2
CT	2,391	2,787	210	191	6.9	449	444	152	155	77.3
M.A.:										
NY	13,212	13,391	2,617	2,423	18.1	2,910	2,874	562	612	24.3
NJ	6,029	6,563	417	394	6.0	750	768	260	288	71.1
PA	20,659	21,820	2,533	2,419	11.1	3,638	3,758	897	1,050	42.4
E.N.C.:										
OH	22,576	23,268	3,921	3,544	15.2	4,139	4,192	814	956	25.6
IN	22,644	23,298	5,695	5,112	21.9	4,662	4,840	745	930	17.2
IL	40,793	42,809	8,586	7,711	18.0	7,875	7,725	1,493	1,577	19.4
MI	15,134	15,312	3,746	3,329	21.7	3,208	3,284	594	731	20.7
WI	21,439	21,312	6,131	5,640	26.5	5,656	5,826	1,459	1,741	29.6
W.N.C.:										
MN	26,343	28,638	8,292	7,456	26.0	7,131	7,409	1,695	1,999	25.4
IA	39,828	44,917	11,490	10,220	22.8	10,522	11,060	2,321	2,777	25.6
MO	26,496	27,304	5,529	5,043	18.5	4,255	4,476	757	995	18.8
ND	17,558	18,129	4,108	3,845	21.2	3,144	3,143	690	754	19.0
SD	13,294	14,479	3,944	3,559	24.6	3,031	3,383	727	963	25.7
NE	24,974	26,765	7,076	6,497	24.3	8,090	8,674	1,767	2,064	30.4
KS	24,961	26,945	6,082	5,660	21.0	6,927	7,286	1,459	1,687	28.7
S.A.:										
DE	1,488	1,541	284	281	18.2	555	525	165	145	51.5
MD	6,329	6,648	1,005	943	14.2	1,351	1,345	370	378	38.8
VA	14,968	15,601	2,056	1,995	12.8	2,036	2,139	404	498	24.6
WV	2,998	3,112	301	304	9.8	344	318	44	29	9.6
NC	16,960	16,516	3,218	2,937	17.8	4,322	4,563	1,166	1,418	46.1
SC	6,356	6,701	1,284	1,160	17.3	1,047	1,204	120	282	23.1
GA	15,812	16,030	3,548	3,349	20.9	3,621	3,748	1,062	1,215	35.2
FL	23,078	25,060	3,871	3,622	14.5	5,022	5,472	1,970	2,306	61.6
E.S.C.:										
KY	17,379	17,525	3,339	2,946	16.8	2,787	2,950	649	870	27.7
TN	19,115	20,389	2,467	2,279	11.2	2,358	2,653	399	642	27.0
AL	11,463	11,599	1,934	1,723	14.9	2,433	2,558	696	808	44.2
MS	13,056	13,218	3,526	3,265	24.7	2,186	2,582	377	736	21.7
W.S.C.:										
AR	14,221	14,411	3,442	3,221	22.3	3,639	3,884	1,072	1,197	35.9
LA	10,649	10,212	2,585	2,418	23.7	1,678	1,828	184	388	15.5
OK	20,474	20,671	4,626	4,356	21.1	3,412	3,493	871	925	20.6
TX	81,810	81,324	11,974	11,390	14.0	10,710	12,534	2,374	3,726	31.9
Mt.:										
MT	13,933	14,204	3,351	3,034	21.4	1,767	1,851	258	349	10.9
ID	11,469	11,753	2,915	2,643	22.5	2,371	2,564	463	624	22.5
WY	6,817	6,652	934	847	12.7	679	746	5	62	6.9
CO	16,584	17,021	3,565	3,229	19.0	3,581	4,014	545	769	22.6
NM	7,036	7,671	1,191	1,108	14.4	1,169	1,324	218	292	25.4
AZ	10,540	9,495	1,783	1,729	18.2	1,750	2,065	400	601	34.2
UT	6,631	6,361	899	799	12.6	727	751	129	176	20.8
NV	2,421	2,309	387	340	14.7	244	256	26	49	13.4
Pac.:										
WA	15,842	15,376	3,277	3,076	20.0	3,615	3,711	1,210	1,314	41.4
OR	12,242	12,140	2,943	2,644	21.8	2,238	2,373	665	789	28.2
CA	56,912	56,160	14,252	13,198	23.5	15,478	16,786	4,618	5,682	41.4
AK	446	448	37	31	6.8	36	38	14	15	44.2
HI	4,297	4,302	373	355	8.2	604	598	185	178	48.8

[1] Total debt in this ratio is an average for the year.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Financial Summary, 1987.*

No. 1100. Farm Income—Farm Marketings, 1986 and 1987, Government Payments, 1987, and Principal Commodities, 1987, by State

[In millions of dollars. Cattle include calves; sheep include lambs; and greenhouse includes nursery]

Division and State	1986			1987				
	Farm marketings			Farm marketings			Government payments	State rank for total farm marketings and principal commodities in order of marketing receipts and as percentage of total marketings
	Total	Crops	Livestock and products	Total	Crops	Livestock and products		
U.S.	**135,102**	**63,554**	**71,548**	**138,094**	**61,876**	**76,218**	**16,747**	**Cattle, dairy products, hogs, soybeans (52%)**
N.E.	**1,759**	**729**	**1,031**	**1,763**	**744**	**1,018**	**28**	
ME	386	140	247	413	170	243	8	42—Potatoes, dairy products, eggs, cattle (74%)
NH	110	38	72	104	38	66	3	48—Dairy products, greenhouse, cattle, apples (77%)
VT	397	36	361	412	35	377	7	43—Dairy products, cattle, hay, apples (94%)
MA	416	286	130	393	268	124	5	44—Greenhouse, dairy products, cranberries, eggs (74%)
RI	76	64	12	75	63	12	(z)	49—Greenhouse, dairy products, eggs, potatoes, (65%)
CT	374	166	209	366	170	196	5	45—Greenhouse, eggs, dairy products, tobacco (77%)
M.A.	**6,317**	**2,117**	**4,200**	**6,314**	**2,054**	**4,259**	**192**	
NY	2,590	782	1,808	2,527	726	1,800	109	21—Dairy products, greenhouse, cattle, apples (75%)
NJ	582	432	150	563	423	140	11	39—Greenhouse, dairy products, eggs, tomatoes (52%)
PA	3,145	903	2,242	3,224	905	2,319	72	14—Dairy products, cattle, greenhouse, eggs (68%)
E.N.C.	**21,850**	**10,989**	**10,864**	**20,989**	**9,751**	**11,238**	**3,377**	
OH	3,589	2,004	1,586	3,422	1,808	1,614	432	13—Soybeans, dairy products, corn, hogs (66%)
IN	4,061	2,201	1,860	3,872	2,016	1,856	670	10—Corn, soybeans, hogs, cattle (74%)
IL	6,766	4,612	2,155	6,174	3,913	2,262	1,478	5—Corn, soybeans, hogs, cattle (88%)
MI	2,567	1,327	1,241	2,504	1,219	1,285	391	22—Dairy products, cattle, hogs, corn (54%)
WI	4,867	845	4,022	5,017	795	4,221	406	9—Dairy products, cattle, hogs, corn (65%)
W.N.C.	**35,351**	**15,119**	**20,232**	**35,855**	**13,335**	**22,520**	**7,138**	
MN	6,030	2,622	3,408	5,809	2,165	3,645	1,194	6—Dairy products, cattle, hogs, soybeans (69%)
IA	8,984	4,003	4,981	8,780	3,510	5,270	1,988	3—Hogs, cattle, soybeans, corn (92%)
MO	3,506	1,537	1,968	3,691	1,517	2,173	490	12—Cattle, soybeans, hogs, dairy products (73%)
ND	2,310	1,639	671	2,308	1,548	760	720	24—Wheat, cattle, barley, sunflowers (69%)
SD	2,375	889	1,487	2,723	813	1,910	505	20—Cattle, hogs, wheat, soybeans (75%)
NE	6,813	2,562	4,251	6,823	1,975	4,848	1,275	4—Cattle, corn, hogs, soybeans (88%)
KS	5,333	1,867	3,466	5,722	1,807	3,914	966	7—Cattle, wheat, sorghum grain, soybeans (85%)
S.A.	**16,114**	**8,067**	**8,049**	**16,485**	**8,498**	**7,987**	**751**	
DE	521	119	402	485	114	370	12	41—Broilers, greenhouse, soybeans, dairy products (81%)
MD	1,185	374	811	1,128	394	734	49	35—Broilers, dairy products, greenhouse, cattle (70%)
VA	1,629	479	1,151	1,692	448	1,244	87	31—Cattle, dairy products, broilers, tobacco (61%)
WV	215	59	156	221	52	169	11	47—Cattle, dairy products, broilers, apples (72%)
NC	3,757	1,586	2,171	3,715	1,634	2,081	190	11—Tobacco, broilers, hogs, turkeys (56%)
SC	898	442	456	931	470	461	114	36—Tobacco, cattle, dairy products, soybeans (46%)
GA	3,195	1,312	1,884	3,087	1,261	1,826	245	17—Broilers, peanuts, cattle, eggs (60%)
FL	4,714	3,696	1,018	5,227	4,125	1,102	43	8—Greenhouse, oranges, tomatoes, cattle (51%)
E.S.C.	**8,072**	**3,197**	**4,876**	**8,476**	**3,266**	**5,213**	**763**	
KY	2,402	1,040	1,362	2,417	913	1,506	176	23—Horses, cattle, tobacco, dairy products (72%)
TN	1,854	813	1,041	1,933	826	1,107	157	28—Cattle, dairy products, cotton, greenhouse (61%)
AL	2,020	595	1,425	2,148	588	1,560	125	25—Broilers, cattle, eggs, greenhouse (71%)
MS	1,796	749	1,048	1,979	939	1,040	303	27—Cotton, broilers, soybeans, cattle (71%)
W.S.C.	**15,643**	**5,719**	**9,924**	**16,401**	**5,653**	**10,748**	**2,411**	
AR	3,005	988	2,017	3,143	1,027	2,116	398	16—Broilers, soybeans, cattle, cotton (67%)
LA	1,352	837	515	1,420	899	521	209	32—Cotton, soybeans, cattle, sugar (58%)
OK	2,582	708	1,874	2,752	700	2,052	363	19—Cattle, wheat, dairy products, broilers (78%)
TX	8,704	3,186	5,518	9,086	3,027	6,059	1,441	2—Cattle, cotton, dairy products, greenhouse (73%)
Mt.	**10,173**	**3,960**	**6,214**	**10,994**	**4,241**	**6,755**	**1,203**	
MT	1,121	469	652	1,347	587	760	352	33—Cattle, wheat, barley, dairy products (85%)
ID	1,936	1,052	884	2,047	1,120	926	234	26—Cattle, potatoes, dairy products, wheat (66%)
WY	566	116	451	642	114	528	36	37—Cattle, sugar beets, sheep, hay (87%)
CO	3,106	888	2,218	3,191	870	2,321	342	15—Cattle, wheat, dairy products, corn (79%)
NM	1,016	304	712	1,147	331	817	93	34—Cattle, dairy products, hay, greenhouse (76%)
AZ	1,614	918	696	1,781	1,007	774	97	30—Cattle, cotton, dairy products, lettuce (65%)
UT	576	134	442	596	134	462	45	38—Cattle, dairy products, hay, turkeys (72%)
NV	238	79	159	243	78	167	4	46—Cattle, hay, dairy products, potatoes (89%)
Pac.	**19,823**	**13,660**	**6,163**	**20,812**	**14,337**	**6,477**	**883**	
WA	2,807	1,828	980	2,841	1,860	982	292	18—Dairy products, apples, cattle, wheat (57%)
OR	1,778	1,124	654	1,861	1,206	655	127	29—Cattle, greenhouse, dairy products, wheat (46%)
CA	14,645	10,209	4,435	15,522	10,781	4,741	462	1—Dairy products, cattle, greenhouse, grapes (41%)
AK	28	18	10	29	19	11	2	50—Greenhouse, dairy products, hay, potatoes (80%)
HI	565	481	84	559	471	88	(z)	40—Sugar, pineapples, greenhouse, nuts (73%)

Z Less than $500 thousand.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Financial Summary, 1987.*

No. 1101. Commodity Credit Corporation—Summary: 1970 to 1987

[In millions of dollars. As of end of fiscal year or for fiscal years ending in year shown; see text, section 9. The Commodity Credit Corporation is a wholly government-owned corporation. Its purpose is stabilizing, supporting, and protecting farm income and prices; assisting in maintenance of balanced adequate supplies of agricultural commodities; and facilitating orderly distribution of agricultural commodities. See also *Historical Statistics, Colonial Times to 1970*, series K 330-343]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
LOAN ACTIVITY [1]											
Loans made	2,366	852	4,576	4,226	5,849	11,454	13,710	5,131	10,187	17,391	18,566
Loans repaid	1,830	930	4,048	4,148	5,741	4,629	9,373	10,581	4,456	5,675	13,884
Loans cancelled by acquisition of collateral	1,073	100	318	115	71	363	860	1,032	1,636	5,583	8,144
Loans outstanding [2]	**2,952**	**336**	**5,210**	**5,119**	**5,103**	**11,633**	**15,084**	**8,571**	**12,631**	**18,866**	**15,174**
Wheat	576	4	816	837	1,671	3,321	4,162	3,414	4,591	3,753	2,836
Corn	632	39	1,301	1,617	629	4,210	5,274	1,236	2,766	7,878	7,434
Cotton	170	143	80	35	76	714	960	67	376	1,076	450
Tobacco	845	119	903	815	764	867	1,736	2,084	2,539	2,336	2,071
COMMODITY INVENTORY OPERATIONS											
Acquisitions, value [2] [3]	**1,518**	**835**	**1,007**	**2,759**	**2,507**	**2,968**	**8,634**	**8,741**	**4,294**	**9,912**	**17,617**
Purchases	398	735	677	2,643	2,503	2,593	7,644	7,676	2,616	4,195	11,212
Collateral acquired from loans	1,120	100	330	116	4	375	990	1,065	1,678	5,717	6,405
Wheat	217	4	40	601	28	27	1,600	1,983	919	2,196	1,802
Corn	49	2	195	416	21	179	3,132	2,591	192	2,287	10,318
Cotton	304	(Z)	(Z)	- 1	(Z)	(Z)	175	1,056	53	559	1,273
Dairy products	253	480	247	1,262	1,991	2,262	2,716	1,983	1,820	2,036	906
Commodities owned, value [2]	**1,858**	**416**	**1,162**	**2,737**	**3,727**	**5,103**	**10,227**	**7,358**	**6,821**	**11,050**	**11,736**
Wheat	405	2	118	705	679	679	1,533	1,510	1,951	3,491	3,272
Corn	293	(Z)	209	596	555	709	3,392	1,045	757	1,757	4,172
Cotton	225	(Z)	(Z)	1	1	2	174	74	46	226	24
Sorghum	173	(Z)	92	93	79	91	520	290	359	725	1,244
Dairy products	134	290	570	1,266	2,396	3,442	4,219	4,102	3,014	2,830	1,439

Z Less than $500,000. [1] Covers commodity loans and storage facility and equipment loans. The latter were not available after July 1982. [2] Includes amounts for commodities and storage facilities, not shown separately. [3] For 1970, includes purchases for commodity export program.

No. 1102. Commodity Credit Corporation—Net Outlays by Commodity and Function: 1970 to 1987

[In millions of dollars. For fiscal year ending in year shown; see text, section 9. Excludes value of commodity certificates which may also be issued to farmers in lieu of cash under certain programs. Minus sign (−) indicates a net receipt (excess of repayments or other receipts over gross outlays of funds)]

COMMODITY AND FUNCTION	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**3,839**	**585**	**3,612**	**2,752**	**4,036**	**11,652**	**18,851**	**7,315**	**17,683**	**25,841**	**22,408**
Feed grains	1,440	200	1,144	1,286	−533	5,397	6,815	−758	5,211	12,211	13,967
Wheat	796	22	308	879	1,543	2,238	3,419	2,536	4,691	3,440	2,836
Cotton, upland	891	233	141	64	358	1,190	1,363	244	1,553	2,142	1,786
Dairy	87	424	24	1,011	1,894	2,182	2,528	1,502	2,085	2,337	1,166
Rice	39	(Z)	49	−76	24	164	664	333	990	947	906
Wool	56	19	39	35	42	54	94	132	109	123	152
Honey	1	(Z)	−2	9	6	27	48	90	81	89	73
Peanuts	35	121	27	28	28	12	−6	1	12	32	8
Sugar	-	-	313	−405	−121	−5	49	10	184	214	−65
Tobacco	115	−129	157	−88	−51	103	880	346	455	253	−346
Soybeans	−161	−22	4	116	67	169	288	−585	711	1,597	−476
Operating expense	57	72	97	157	159	294	328	362	346	457	535
Interest expenditure	312	147	238	518	220	−13	3,525	1,064	1,435	1,411	1,219
Export programs	45	−256	417	−669	−940	65	398	743	134	102	276
Other	126	−244	656	−113	1,340	−225	−1,542	1,295	−314	486	371
Price support loans [1]	552	−15	2	−66	174	7,015	8,438	−27	6,272	13,628	12,199
Direct payments [2]	2,135	560	1,811	418	1,030	1,491	3,600	2,117	7,827	6,746	5,862
Purchases [3]	−336	271	10	1,681	1,602	2,031	2,540	1,470	1,331	1,670	−476
Producer storage payments	144	(Z)	247	254	32	679	964	268	329	485	832
Processing, storage and transportation	215	36	126	259	323	355	665	639	657	1,013	1,659
Operating expense	57	72	97	157	159	294	328	362	346	457	535
Interest expenditure	312	147	238	518	220	−13	3,525	1,064	1,435	1,411	1,219
Export programs [4]	146	−255	417	−669	−940	65	398	743	134	102	276
Other	614	−231	662	200	1,436	−265	−1,607	679	−646	329	335

- Represents zero. Z Less than $500,000. [1] Price support loans made less loans repaid. [2] Covers deficiency, diversion, and disaster payments; for 1970 and 1975 includes support and acreage diversion payments; and beginning 1986 includes dairy termination program. [3] Purchases less sales proceeds. [4] Export programs include direct export credit sales and commodity export payments in 1970 and 1975. Commodity export payments are included in individual commodity totals in those years. Export programs beginning 1979 include the direct export credit sales program, the export guarantee program, and transfers to the general sales manager.

Source of tables 1101 and 1102: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual, and *Agricultural Outlook*, monthly.

No. 1103. Indexes of Prices Received and Paid by Farmers: 1980 to 1987

[1977=100, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series K 344–353]

ITEM	1980	1985	1986	1987
Prices received, all products	134	128	123	127
Crops [1]	125	120	107	106
Food grains	165	133	109	103
Feed grains and hay	132	122	98	85
Cotton	114	93	91	98
Tobacco	125	153	138	129
Oil-bearing crops	102	84	77	79
Fruits	124	180	170	182
Commercial vegetables [2]	113	129	130	144
Livestock and products	144	136	138	146
Meat animals	156	142	145	163
Dairy products	135	131	129	129
Poultry and eggs	112	119	128	107

ITEM	1980	1985	1986	1987
Prices paid, total [3]	138	163	159	162
Production [1]	138	151	144	147
Feed	123	116	106	103
Feeder livestock	177	154	153	179
Seed	118	153	148	148
Fertilizer	134	135	124	118
Agricultural chemicals	102	128	127	124
Fuels and energy	186	201	162	161
Farm and motor supplies	134	148	144	144
Interest payable per acre	178	237	219	207
Taxes payable per acre	115	133	134	136
Wage rates [4]	127	154	160	167
Parity ratio (1910–14=100) [5]	65	52	51	52

[1] Includes other items not shown separately. [2] Excludes potatoes. [3] Includes production items, interest, taxes, wage rates, and a family living component. The family living component is the Consumer Price Index for all urban consumers from the Bureau of Labor Statistics. See text, section 15, and table 758. [4] Straight average of seasonally adjusted indexes. [5] Ratio of prices received by farmers to prices paid.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Agricultural Prices: Annual Summary.*

No. 1104. Civilian Consumer Expenditures for Farm Foods—Farm Value and Marketing Bill: 1970 to 1987

[**In billions of dollars, except percent.** Excludes imported and nonfarm foods, such as coffee and seafood, as well as food consumed by the military, or exported. See *Historical Statistics, Colonial Times to 1970*, series K 358–360 for data before revisions]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Consumer expenditures, total	110.6	167.0	245.2	264.4	287.7	298.9	315.0	332.0	345.4	359.6	377.1
Farm value, total	35.5	55.6	79.2	81.7	83.2	83.7	85.7	91.4	88.3	89.1	93.9
Marketing bill, total [1]	75.1	111.4	166.0	182.7	204.5	215.2	229.3	240.6	257.1	270.5	283.2
Percent of total consumer expenditures	67.9	66.7	67.7	69.1	71.1	72.0	72.8	72.5	74.4	75.2	75.1
At-home expenditures [2]	78.2	116.2	169.4	180.1	194.0	196.7	204.6	213.1	220.8	226.0	232.3
Farm value	29.1	44.0	64.5	65.9	66.6	65.9	66.8	70.7	68.1	67.8	69.7
Marketing bill [1]	49.1	72.2	104.9	114.2	127.4	130.8	137.8	142.4	152.7	158.2	162.6
Percent of at-home expenditures	62.8	62.1	61.9	63.4	65.7	66.5	67.4	66.8	69.2	70.0	70.0
Away-from-home expenditures	32.4	50.8	75.8	84.3	93.7	102.2	110.4	118.9	124.6	133.6	144.8
Farm value	6.4	11.6	14.7	15.8	16.6	17.8	18.9	20.7	20.2	21.3	24.2
Marketing bill [1]	26.0	39.2	61.1	68.5	77.1	84.4	91.5	98.2	104.4	112.3	120.6
Percent of away-from-home expenditures	80.2	77.2	80.6	81.3	82.3	82.6	82.9	82.6	83.8	84.1	83.3
Marketing bill cost components:											
Labor cost [3]	32.2	48.3	75.2	81.5	91.0	96.6	102.4	109.3	116.5	124.2	130.7
Packaging materials	8.2	13.3	18.6	21.0	22.6	23.7	24.7	26.2	26.9	27.7	29.5
Rail and truck transport [4]	5.2	8.4	11.8	13.0	14.3	14.7	15.4	15.9	16.5	16.8	17.2
Corporate profits before taxes	3.6	7.1	10.4	10.2	10.0	9.6	9.8	9.7	9.5	9.3	9.6
Fuels and electricity	2.2	4.6	8.2	9.0	10.0	11.0	11.7	12.5	13.1	13.3	13.8
Other [5]	23.7	29.7	41.9	48.0	56.6	59.6	65.3	67.0	74.6	79.2	82.4
Processing	29.7	40.9	60.3	66.3	73.0	74.7	77.6	80.2	87.6	90.9	93.7
Wholesaling	8.7	13.5	18.6	20.4	22.8	25.6	27.1	28.4	29.6	30.5	32.3
Transportation	5.2	8.4	11.8	13.0	14.3	14.7	15.4	15.9	16.5	16.8	17.2
Retailing and food service	31.5	48.6	75.4	83.0	94.4	100.2	109.2	116.1	123.4	132.3	140.0
SELECTED FOOD COMMODITY GROUPS											
Meat products:											
Total expenditures	33.7	46.0	80.2	83.3	86.6	91.9	97.9	101.7	103.2	106.3	109.9
Farm value	14.4	20.6	31.5	30.8	31.1	31.5	31.4	32.4	30.5	30.9	34.2
Percent of total	42.7	42.9	39.3	37.0	35.9	34.3	32.1	31.9	29.6	29.1	31.1
Marketing bill [1]	19.4	27.4	48.7	52.5	55.5	60.4	66.5	69.3	72.7	75.4	75.7
Poultry and eggs:											
Total expenditures	9.1	12.7	17.4	18.3	19.9	20.3	21.7	24.2	26.0	27.6	30.0
Farm value	4.0	6.3	8.1	8.4	8.8	8.5	9.3	11.0	10.2	11.5	10.1
Percent of total	44.0	49.6	46.6	45.9	44.2	41.9	42.9	45.5	39.2	41.7	33.7
Marketing bill [1]	5.1	6.4	9.3	9.9	11.1	11.8	12.4	13.2	15.8	16.1	19.9
Dairy products:											
Total expenditures	16.7	23.3	33.5	37.8	41.4	42.0	45.0	47.4	49.4	51.4	54.0
Farm value	6.9	10.0	14.6	16.0	17.0	16.7	18.0	18.1	17.7	17.8	18.1
Percent of total	41.3	42.9	43.6	42.3	41.1	39.8	40.0	38.2	35.8	34.6	33.5
Marketing bill [1]	9.8	13.3	18.9	21.8	24.4	25.3	27.0	29.3	31.7	33.6	35.9
Fruits and vegetables:											
Total expenditures	22.6	35.6	52.5	56.5	62.8	66.7	70.0	74.7	78.5	81.6	85.7
Farm value	5.1	8.4	10.9	11.7	13.3	13.8	13.3	15.1	15.2	14.9	16.8
Percent of total	22.6	23.6	20.8	21.1	21.2	20.7	19.0	20.2	19.4	18.3	19.6
Marketing bill [1]	17.5	27.2	41.6	43.8	49.5	52.9	56.7	59.6	63.3	66.7	68.9
Bakery, grain mill products:											
Total expenditures	13.6	24.1	31.6	35.2	37.9	39.6	40.6	43.3	45.5	48.3	50.9
Farm value	2.0	4.1	4.8	5.1	4.9	4.8	4.9	5.1	4.7	4.0	3.7
Percent of total	14.7	17.0	15.2	14.5	12.9	12.1	12.1	11.8	10.3	8.3	7.3
Marketing bill [1]	11.6	20.0	26.8	30.1	33.0	34.8	35.7	38.2	40.8	44.3	47.2

[1] The difference between civilian expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. [2] Food primarily purchased from retail food stores for use at home. [3] Covers employee wages and salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration. [4] Excludes local hauling. [5] Represents advertising, rents, depreciation, interest on borrowed capital, taxes other than income, and other costs.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Cost Review,* annual; *Food Consumption, Prices, and Expenditures,* annual; *Agricultural Outlook,* periodic; and *Agricultural Statistics,* annual.

No. 1105. Farmer Marketing and Farm Supply Cooperatives—Summary: 1970 to 1986

[**1970** and **1975**, for **fiscal years** of cooperatives ending between **July 1** of preceding year and **June 30** of year shown. Beginning **1978**, reports of cooperatives are for the **calendar year**. Comprises independent local associations, federations, large-scale centralized associations, and sales agencies. Memberships and businesses are estimated. See also *Historical Statistics, Colonial Times to 1970*, series K 195-203]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Cooperatives listed	**7,790**	**7,645**	**6,600**	**6,445**	**6,293**	**6,211**	**6,125**	**5,989**	**5,782**	**5,625**	[illegible]
Marketing [1]	5,015	4,916	4,050	3,938	3,924	3,855	3,826	3,781	3,646	3,589	[illegible]
Farm supply	2,775	2,729	2,550	2,507	2,369	2,356	2,299	2,208	2,136	2,036	1,971
Memberships [2] (1,000)	**6,355**	**6,123**	**5,695**	**5,627**	**5,378**	**5,335**	**5,136**	**4,955**	**4,842**	**4,781**	[illegible]
Marketing [1] (1,000)	3,133	3,151	2,632	2,567	2,574	2,479	2,469	2,402	2,445	2,383	2,176
Farm supply (1,000)	3,222	2,972	3,063	3,060	2,804	2,856	2,666	2,553	2,397	2,398	2,226
Business [3] (mil. dol.)	**19,080**	**41,342**	**47,305**	**56,268**	**66,254**	**71,534**	**69,150**	**66,755**	**73,047**	**65,601**	[illegible]
Marketing [1] (mil. dol.)	15,207	32,682	36,253	42,747	50,120	54,475	52,788	50,812	56,078	48,961	43,300
Farm supply (mil. dol.)	3,873	8,660	11,052	13,521	16,134	17,059	16,362	15,943	16,969	16,641	[illegible]

[1] Includes cooperatives whose major activity is providing services related to marketing and farm-supply activities. [2] Excludes nonvoting patrons. [3] Value of commodities sold or purchased for patrons. Business dollar volume for marketing includes service receipts for charges related to marketing and purchasing. Represents net volume after eliminating intercooperative business.

Source: U.S. Dept. of Agriculture, Agricultural Cooperative Service, *Farmer Cooperative Statistics*, annual.

No. 1106. Selected Indexes of Farm Inputs: 1960 to 1986

[**1977 = 100.** Inputs based on physical quantities of resources used in production. See *Historical Statistics, Colonial Times to 1970*, series K 486-495 for data before revisions]

INPUT	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985
Total	**99**	**96**	**97**	**105**	**103**	**102**	**99**	**97**	**95**	**92**
Farm labor	177	112	106	99	96	96	93	97	92	85
Farm real estate [1]	103	105	97	103	103	104	102	101	97	95
Mechanical power and machinery	83	85	96	104	101	98	92	89	85	81
Agricultural chemicals [2]	32	75	83	123	123	129	118	105	121	121
Feed, seed, and livestock purchases [3]	77	96	93	115	114	108	107	109	105	105
Taxes and interest	85	102	100	103	100	99	92	97	88	91
Miscellaneous	77	89	82	113	96	108	115	100	110	117

[1] Includes service buildings, improvements. [2] Includes fertilizer, lime, and pesticides. [3] Includes nonfarm portion.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in U.S. Council of Economic Advisers, *Economic Report of the President*, annual.

No. 1107. Farm Machinery and Equipment: 1970 to 1987

[See also *Historical Statistics, Colonial Times to 1970*, series K 184-191]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Value of farm implements and machinery [1]	Bil. dol	34.4	63.1	83.3	93.2	99.3	107.8	107.9	106.2	102.7	92.4	84.4
Farmers' expenditures:												
Motor vehicles [2]	Mil. dol	2,030	3,833	5,580	6,284	5,813	5,652	4,436	4,724	4,583	3,699	3,227
Tractors	Mil. dol	1,123	2,460	3,283	3,746	3,683	3,740	2,597	2,606	2,539	1,937	1,513
Machinery, equipment	Mil. dol	2,888	4,820	7,158	8,002	6,956	6,481	5,068	4,735	4,682	3,654	3,094
Repair and maintenance	Mil. dol	1,910	3,417	4,533	5,165	5,205	5,278	4,635	4,793	4,908	4,834	4,825
Tractors, machinery and equipment	Mil. dol	1,126	2,360	3,519	3,743	3,746	3,771	3,585	3,707	3,796	3,739	3,732
Autos and trucks [3]	Mil. dol	784	1,057	1,014	1,422	1,459	1,507	1,050	1,086	1,112	1,095	1,093
Retail sales: [4]												
Tractors, total [5]	1,000	135.5	161.1	139.6	139.0	119.3	103.8	77.2	71.3	66.7	58.5	47.1
2-wheel drive	1,000	135.5	150.5	130.9	127.5	108.4	94.1	70.4	66.2	62.7	55.5	45.1
4-wheel drive	1,000	(NA)	10.6	8.7	11.5	10.9	9.7	6.8	5.1	4.0	3.0	2.0
Combines	1,000	26.7	33.1	31.5	32.3	25.7	26.8	16.2	12.8	11.4	8.4	7.7
Corn heads	1,000	18.5	25.4	21.2	22.4	17.2	15.7	9.3	6.8	6.4	5.0	4.7
Field forage harvesters	1,000	15.0	13.1	11.5	12.5	9.5	7.6	5.1	4.1	3.5	2.5	2.2

NA Not available. [1] Farm inventory valuations as of December 31. Includes family automobiles. [2] For farm business u [3] Includes insurance, registration fees, and licensing fees through 1975. [4] Source: Farm and Industrial Equipment Institu Chicago, IL, unpublished data. [5] Beginning 1978, covers tractors over 40 hp. only.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary*, annual. Also in *Agricultural Statistics*, annual.

NO. 1108. SUPPLY AND USE OF FERTILIZER: 1970 TO 1987

[For years ending June 30]

ITEM	Unit	1970-1974, annual avg.	1975-1979, annual avg.	1980	1981	1982	1983	1984	1985	1986	1987
Production	Mil. nutrient tons	20.9	24.9	29.3	29.7	25.5	22.6	24.5	26.8	23.7	23.8
Imports	Mil. nutrient tons	5.3	6.4	8.2	8.2	7.7	7.4	9.4	9.4	9.1	8.3
Exports	Mil. nutrient tons	3.2	5.3	7.6	8.4	6.9	6.5	6.9	9.3	[1] 5.7	[1] 7.6
Agricultural consumption	Mil. nutrient tons	17.6	20.7	23.1	23.7	21.4	18.1	21.8	21.7	19.7	19.2

[1] Excludes exports of superphosphoric acid which are no longer reported.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Agricultural Resources: Inputs Outlook and Situation Report*, periodic.

NO. 1109. HIRED FARMWORKERS—WORKERS AND EARNINGS: 1975 TO 1987

[Represents persons 14 years old and over in the civilian noninstitutional population who did hired farmwork at any time during the year. Based on Current Population Survey; see text, section 1 and Appendix III. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	WORKERS (1,000)									AVERAGE ANNUAL EARNINGS RECEIVED FROM HIRED FARMWORK			
	1975	1981	1985	1987 [1]									
				Total	Duration of farmwork								
					Under 25 days	25-74 days	75-149 days	150-249 days	250 days and over	1975	1981	1985	1987 [1]
All workers	**2,638**	**2,492**	**2,522**	**2,463**	**856**	**503**	**313**	**333**	**458**	**$1,488**	**$2,659**	**$3,247**	**$3,368**
14-17 years old	835	605	552	531	270	145	56	31	29	421	753	743	783
18-24 years old	733	760	739	621	201	126	103	62	129	1,517	2,488	2,666	2,775
25-34 years old	393	498	601	563	167	102	55	105	134	2,209	3,684	4,268	4,649
35-44 years old	219	236	260	317	99	69	40	48	61	2,369	4,631	4,736	4,844
45-54 years old	193	180	185	216	49	33	30	47	57	(NA)	3,980	6,269	5,507
55-64 years old	144	104	110	148	50	12	22	31	33	(NA)	4,077	5,280	4,142
65 years old and over	120	108	75	67	20	16	7	9	15	937	1,938	3,626	3,010
Male	2,036	1,918	1,980	1,962	648	389	248	275	402	1,737	3,073	3,642	3,708
Female	602	574	542	501	208	114	65	58	56	644	1,276	1,801	2,040
White [2]	1,907	1,824	1,922	1,917	719	391	236	210	361	1,379	2,359	3,018	3,241
Black and other [2]	446	340	274	208	69	44	33	37	25	1,524	2,668	3,008	2,684
Hispanic	285	328	326	338	68	68	44	86	72	2,154	4,319	4,795	4,511
Northeast	227	204	231	165	49	39	28	22	48	1,287	2,977	3,417	4,416
Midwest	674	688	851	926	339	195	108	103	181	1,212	2,019	2,717	2,818
South	1,074	1,004	860	845	324	177	102	118	124	1,289	2,217	3,088	2,981
West	664	595	580	506	144	92	75	90	105	2,157	4,037	4,194	4,638

NA Not available. [1] Preliminary. [2] Excludes persons of Hispanic origin.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Agricultural Work Force*, periodic.

NO. 1110. FARM LABOR—ANNUAL AVERAGE LABOR-HOURS PER UNIT OF PRODUCTION, SELECTED CROPS AND LIVESTOCK: 1960-1964 TO 1982-1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 445-485]

CROP	1960-1964	1970-1974	1982-1986	CROP	1960-1964	1970-1974	1982-1986
Corn for grain: Hours per acre [1]	7.0	4.3	3.1	Tobacco: Hours per acre [2]	493	298	218
Yield per acre (bu.)	62.2	84.0	109.3	Yield per acre (1,000 lb.)	1.9	2.0	2.1
Hours per 100 bushel	11	5	3	Hours per 100 lb	26	14	10
Wheat: Hours per acre [1]	3.0	2.9	2.6	Milk cows: Hours per cow	93	62	24
Yield per acre (bu.)	25.2	31.0	36.9	Milk per cow (cwt)	75	101	127
Hours per 100 bushel	12	9	7	Hours per cwt of milk	1.2	.6	.2
Hay: Hours per acre [1]	5.0	3.7	3.0	Cattle, exc. milk cows:			
Yield per acre (sh. tons)	1.77	2.12	2.45	Hours per cwt of beef produced [3]	2.6	1.7	.9
Hours per sh. ton	2.8	1.8	1.2	Hogs: Hours per cwt produced [3]	1.9	1.0	.3
Potatoes: Hours per acre [1]	48.0	41.6	32.6	Chickens: [4] Hours per 100 layers	126	78	44
Yield per acre (cwt)	195	234	284	Rate of lay [5]	212	225	246
Hours per sh. ton	5	4	2	Hours per 100 eggs produced	.6	.3	.2
Cotton: Hours per acre [1]	47	18	5	Broilers: Hours per 100 birds	3	1	.4
Yield per acre (lb.)	475	470	581	Hours per cwt produced [3]	.8	.3	.1
Hours per bale	47	18	5	Turkeys: Hours per cwt produced [3]	2.4	.8	.2

[1] Labor-hours per acre harvested, including pre-harvest work on acreages abandoned, grazed, and turned under. [2] Per acre planted and harvested. [3] Liveweight production. [4] Laying flocks and eggs. [5] Eggs produced during year divided by average number of hens and pullets of laying age on hand during year.

Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual.

No. 1111. Farm Productivity—Labor-Hours and Indexes of Farm Output per Hour: 1960 to 1986

[See also *Historical Statistics, Colonial Times to 1970,* series K 407–413, K 430–444, and W 67–81]

ITEM	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	198
Hours of labor required on farms[1] (bil.)	**9.8**	**5.9**	**5.0**	**4.4**	**4.3**	**4.3**	**4.2**	**4.0**	**3.7**	**3.8**	**3.7**	**3.5**
All productive livestock (bil.)	3.8	2.3	1.7	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	.9
All crops (bil.)	[2] 4.6	2.8	2.6	2.4	2.4	2.4	2.4	2.4	2.1	2.3	2.2	2.1
Farm maintenance (bil.)	[3] 1.4	.8	.7	.6	.6	.6	.6	.5	.5	.5	.5	.5
INDEX (1977=100)												
Farm output per hour	**37**	**66**	**89**	**108**	**119**	**113**	**131**	**133**	**122**	**138**	**151**	**158**
All livestock and products	32	64	85	109	117	129	136	143	154	162	175	180
Meat animals	40	67	87	108	117	127	136	138	149	153	165	169
Milk cows	27	57	81	109	122	135	150	164	187	212	244	266
Poultry	25	55	81	109	119	125	135	142	152	162	173	182
All crops	41	70	89	105	118	105	121	124	105	123	134	130
Feed grains	33	62	90	111	125	107	132	136	96	133	149	150
Hay and forage	43	74	94	109	116	109	122	128	122	132	134	138
Food grains	73	93	101	104	115	116	129	129	131	140	142	135
Vegetables	69	91	93	104	109	113	119	120	119	117	123	123
Fruits and nuts	61	84	97	103	104	112	108	115	115	116	118	120
Sugar crops	52	79	97	103	103	104	111	109	106	108	109	113
Cotton	13	31	57	100	132	103	145	149	141	172	192	180
Tobacco	46	79	97	109	99	104	117	122	106	129	137	125
Oil crops	52	72	88	98	110	90	110	113	96	109	133	131

[1] Represents labor used on crops, livestock, and farm maintenance. [2] Includes work on farm gardens. [3] Includes work on horses and mules.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics,* annual. Also in *Agricultural Statistics,* annual.

No. 1112. Cropland Used for Crops and Acreages of Crops Harvested: 1960 to 1987

[See also *Historical Statistics, Colonial Times to 1970,* series K 496–501]

YEAR	CROPLAND USED FOR CROPS					Index of crop production per acre (1977=100)	ACREAGES OF CROPS HARVESTED[2]				
	Number (mil. acres)				Index (1977=100)		Total (mil. acres)	Used to produce goods for—			
								Domestic use		Exports	
	Total	Cropland harvested[1]	Crop failure	Cultivated summer fallow				Amount (mil. acres)	Per capita (acres)[3]	Amount (mil. acres)	Percent of total
1960	355	317	6	32	94	77	324	[4] 260	1.41	64	19.8
1970	332	289	5	38	88	88	293	221	1.08	72	24.6
1975	367	330	6	31	97	96	336	236	1.09	100	29.8
1978	369	330	7	32	97	105	338	224	1.00	114	33.7
1979	378	340	6	32	100	113	348	223	.99	125	35.9
1980	382	342	10	30	101	100	352	215	.94	137	38.9
1981	387	351	6	30	102	115	366	237	1.03	129	35.2
1982	383	347	5	31	101	116	362	249	1.07	113	31.2
1983	333	294	5	34	88	100	306	182	.77	124	40.5
1984	373	337	6	30	99	112	348	252	1.06	96	27.5
1985	372	334	7	31	98	120	342	263	1.10	79	23.1
1986	357	316	9	32	94	116	325	229	.95	96	29.5
1987	330	293	6	32	87	122	301	194	.80	107	35.5

[1] Land supporting one or more harvested crops. [2] Area in principal crops harvested as reported by Crop Reporting Board plus acreages in fruits, tree nuts, and farm gardens. [3] Based on Bureau of the Census estimated total population, including Armed Forces overseas, as of July 1. [4] Includes feed for workstock, not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics,* annual. Also in *Agricultural Statistics,* annual.

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No. 1113. Farm Output Indexes: 1960 to 1987

[1977 = 100. **See also** *Historical Statistics, Colonial Times to 1970,* series K 414-429]

ITEM	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Farm output [1]	**76**	**84**	**95**	**111**	**104**	**118**	**116**	**96**	**112**	**118**	**111**	**109**
Per unit of total input	**76**	**87**	**99**	**105**	**101**	**116**	**118**	**99**	**118**	**128**	**127**	(NA)
Gross production:												
Livestock and products [2]	82	99	95	104	108	109	107	109	107	110	110	111
Meat animals	80	102	97	103	107	106	101	104	101	102	100	98
Dairy products	95	95	94	101	105	108	110	114	110	117	117	116
Poultry and eggs	68	93	92	114	115	119	119	120	123	128	133	143
Crops [3]	72	77	93	113	101	117	117	88	111	118	109	106
Feed grains	69	71	91	116	97	121	122	67	116	134	123	105
Hay and forage	83	92	100	106	98	106	109	100	107	106	106	102
Food grains	66	69	108	106	121	144	138	117	129	121	107	106
Vegetables	88	96	97	107	104	111	116	107	117	122	117	(NA)
Fruits and nuts	69	81	98	105	119	111	113	110	114	119	112	(NA)
Sugar crops	60	95	114	94	97	107	96	93	95	97	106	112
Cotton	102	72	58	102	79	109	85	55	91	94	69	102
Tobacco	102	100	114	80	93	108	104	75	90	81	63	64
Oil crops	38	66	86	129	99	114	121	91	106	117	110	106

NA Not available. [1] Annual production available for eventual human use. [2] Includes livestock products not shown separately and excludes horses and mules. [3] Includes crops not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics, 1987.* Also in *Agricultural Statistics,* annual.

No. 1114. Selected Farm Products—Production and Exports: 1970 to 1987

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Corn for grain: Production	Mil. bu	4,152	5,841	6,639	8,119	8,235	4,175	7,674	8,877	8,250	7,064
Exports [1]	Mil. bu	517	1,711	2,355	2,010	1,834	1,902	1,865	1,241	1,504	1,700
Percent of production	Percent	12.5	29.3	35.5	24.8	22.3	45.5	24.3	14.0	18.2	24.1
Soybeans, for beans: Production	Mil. bu	1,127	1,548	1,798	1,989	2,190	1,636	1,861	2,099	1,940	1,905
Exports [1]	Mil. bu	434	555	724	929	905	743	598	740	757	800
Percent of production	Percent	38.5	35.9	40.3	46.7	41.3	45.4	32.1	35.7	39.0	42.0
Wheat: Production	Mil. bu	1,352	2,127	2,381	2,785	2,765	2,420	2,595	2,425	2,092	2,105
Exports [1]	Mil. bu	741	1,173	1,514	1,771	1,509	1,429	1,424	915	1,004	1,600
Percent of production	Percent	54.8	55.2	63.6	63.6	54.6	59.0	54.9	37.7	48.0	76.0
Cotton: Production	Mil. bales [2]	10.2	8.3	11.1	15.6	12.0	7.8	13.0	13.4	9.7	14.8
Exports [1]	Mil. bales [2]	3.9	3.3	5.9	6.6	5.2	6.8	6.2	2.0	6.7	6.6
Percent of production	Percent	38.2	39.8	53.2	42.3	43.3	87.2	47.7	14.9	69.1	44.6
Tobacco: [3] Production	Mil. lb	1,906	2,182	1,786	2,064	1,994	1,429	1,728	1,511	1,164	1,196
Exports [1]	Mil. lb	639	655	649	697	628	596	666	620	596	568
Percent of production	Percent	33.5	30.0	36.3	33.8	31.5	41.7	38.5	41.0	51.2	47.5

[1] Represents marketing year for each product. [2] 480 lb. net weight bales. [3] Farm sales weight.

Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics,* annual.

No. 1115. Selected Farm Products—U.S. and World Production and Exports: 1984 to 1986

[**In metric tons, except as indicated.** Metric ton = 1.102 short tons or .984 long tons]

ITEM	Unit	AMOUNT						U.S. AS PERCENT OF WORLD		
		U.S.			World					
		1984	1985	1986	1984	1985	1986	1984	1985	1986
PRODUCTION [1]										
Wheat	Million	71	66	57	512	500	530	13.9	13.2	10.8
Corn for grain	Million	195	225	210	459	480	477	42.5	46.9	44.0
Soybeans	Million	50.6	57.1	52.8	93.1	97.0	97.9	54.4	58.9	53.9
Rice, rough	Million	6.3	6.5	6.8	469	470	468	1.3	1.4	1.4
Tobacco, unmanufactured [2]	1,000	784	686	528	6,493	6,883	6,005	12.0	10.0	8.8
Vegetable oils	Million	6.3	6.4	6.7	44.8	47.9	49.1	14.0	13.3	13.6
Cotton	Million bales [3]	13.0	13.4	9.7	88.2	79.6	70.4	14.7	16.9	13.8
EXPORTS [4]										
Wheat [5]	Million	38.1	25.0	28.4	107.0	85.0	90.7	35.6	29.4	31.3
Corn	Million	46.7	31.5	39.4	66.6	54.5	56.2	70.1	57.8	70.1
Soybeans	Million	16.3	20.2	20.6	25.3	26.1	28.5	64.4	77.4	72.3
Rice, milled basis	Million	2.1	1.9	2.4	12.6	11.5	12.8	16.7	16.5	18.8
Tobacco, unmanufactured [6]	1,000	246	249	217	1,408	1,414	1,350	17.5	17.6	16.1
Vegetable oils	Million	1.2	1.1	1.0	14.5	15.5	16.2	8.3	7.1	6.2
Cotton	Million bales [3]	6.2	2.0	6.7	20.2	20.2	25.9	30.8	9.7	25.8

[1] Production years vary by commodity. In most cases, includes harvests from July 1 of the year shown through June 30 of the following year. [2] Farm sales weight basis. [3] Bales of 480 lb. net weight. [4] Trade years may vary by commodity. [5] Includes wheat flour on a grain equivalent. [6] Dried weight basis.

Source: U.S. Department of Agriculture, Foreign Agricultural Service, *Foreign Agricultural Commodity Circular Series,* periodic.

No. 1116. Agricultural Exports and Imports—Value: 1970 to 1987

[**In billions of dollars, except percent.** Includes Puerto Rico. Excludes forest products and distilled liquors; includes crude rubber and similar gums (now mainly plantation products). Includes shipments under foreign aid programs. See also *Historical Statistics, Colonial Times to 1970*, series K 251-255]

YEAR	Trade balance	Exports, domestic products	Percent of all exports	Imports for consumption	Percent of all imports	YEAR	Trade balance	Exports, domestic products	Percent of all exports	Imports for consumption	Percent of all imports
1970-1974, avg	5.5	12.8	21	7.3	12	1978	14.6	29.4	21	14.8	9
1975-1979, avg	13.5	26.5	20	13.0	11	1979	18.0	34.7	19	16.7	8
1980-1984, avg	21.9	39.0	18	17.1	6	1980	23.9	41.2	18	17.4	7
1970	1.5	7.3	17	5.8	15	1981	26.6	43.3	18	16.8	6
1971	1.9	7.7	18	5.8	13	1982	21.2	36.6	17	15.4	6
1972	2.9	9.4	19	6.5	12	1983	19.5	36.1	18	16.5	7
1973	9.3	17.7	25	8.4	12	1984	18.5	37.8	17	19.3	6
1974	11.7	21.9	23	10.2	10	1985	9.1	29.0	13	20.0	6
1975	12.6	21.9	21	9.3	10	1986	4.8	26.2	12	21.4	6
1976	12.0	23.0	20	11.0	9	1987	8.2	28.6	11	20.4	5
1977	10.2	23.6	20	13.4	9						

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual, and *Foreign Agricultural Trade of the United States*, Jan.-Feb. issues. Also in *Agricultural Statistics*, annual.

No. 1117. Agricultural Exports—Value, by Principal Commodities and Selected Countries of Destination: 1970 to 1987

[See headnote, table 1116. Data by country of destination not adjusted for transshipments prior to 1983]

COMMODITY AND COUNTRY	VALUE (mil. dol.)								PERCENT		
	1970	1975	1980	1983	1984	1985	1986	1987	1970	1980	1987
Total agricultural exports [1]	**7,255**	**21,859**	**41,233**	**36,099**	**37,804**	**29,041**	**26,222**	**28,637**	**100.0**	**100.0**	**100.0**
Grains and feeds [2]	2,720	11,932	19,117	16,250	17,163	11,882	8,656	9,423	37.5	46.4	32.9
Feed grains and products	1,093	5,283	9,831	7,351	8,204	6,112	3,176	3,917	15.1	23.8	13.7
Corn	818	4,422	8,492	6,367	6,999	5,206	2,605	3,209	11.3	20.6	11.2
Wheat and products	1,136	5,353	6,660	6,560	6,740	3,898	3,290	3,279	15.7	16.2	11.5
Rice	313	858	1,289	926	845	665	625	576	4.3	3.1	2.0
Oilseeds and products [2]	1,931	4,452	9,393	8,716	8,369	5,794	6,467	6,378	26.6	22.8	22.3
Soybeans	1,228	2,865	5,880	5,913	5,418	3,732	4,326	4,307	16.9	14.3	15.0
Soybean oil cake and meal	344	639	1,665	1,527	997	870	1,229	1,213	4.7	4.0	4.2
Vegetable oils and waxes	295	635	1,216	868	1,270	870	672	626	4.1	2.9	2.2
Soybean oil	194	269	689	424	757	432	253	263	2.7	1.7	.9
Animals and animal products [2]	865	1,686	3,768	3,787	4,228	4,150	4,547	5,154	11.9	9.1	18.0
Hides and skins, incl. furskins	187	407	1,046	1,010	1,383	1,295	1,522	1,731	2.6	2.5	6.0
Cattle hides	130	260	623	742	1,086	1,007	1,219	1,328	1.8	1.5	4.6
Meats and meat products	132	432	890	916	928	905	1,130	1,366	1.8	2.2	4.8
Fats, oils, and greases	246	360	769	600	698	619	413	431	3.4	1.9	1.5
Poultry and poultry products	82	157	603	426	415	384	504	602	1.1	1.5	2.1
Cotton, excluding linters	372	991	2,864	1,817	2,441	1,633	812	1,631	5.1	6.9	5.7
Tobacco, unmanufactured	517	852	1,334	1,462	1,511	1,521	1,223	1,090	7.1	3.2	3.8
Fruits and preparations	334	699	1,335	1,349	1,243	1,186	1,306	1,483	4.6	3.2	5.2
Fresh fruits	164	404	739	829	758	743	851	939	2.3	1.8	3.3
Vegetables and preparations	219	505	1,188	980	1,002	930	1,085	1,158	3.0	2.9	4.0
Nuts and preparations	69	169	757	496	604	683	753	804	1.0	1.8	2.8
Other	232	573	1,477	1,242	1,243	1,262	1,373	1,516	3.2	3.6	5.3
Asia [1]	2,717	7,620	14,886	14,058	14,907	11,191	10,617	12,513	37.5	36.1	43.7
Japan	1,214	3,082	6,111	6,251	6,782	5,409	5,141	5,700	16.7	14.8	19.9
South Korea	224	830	1,797	1,840	1,650	1,413	1,306	1,833	3.1	4.4	6.4
China: Taiwan	134	565	1,095	1,308	1,458	1,231	1,171	1,285	1.9	2.7	4.5
Iraq	2	86	255	342	535	326	360	532	-	.6	1.9
Saudi Arabia	28	117	375	445	482	351	397	483	.3	.9	1.7
Western Europe [1] [3]	2,534	7,177	11,744	9,999	8,837	6,937	7,056	7,264	34.9	28.5	25.4
European Economic Community [4]	2,316	6,769	11,033	9,299	8,257	6,477	6,627	6,835	29.4	22.4	23.9
Netherlands	526	1,722	3,412	2,576	2,323	1,869	2,073	1,975	7.3	8.3	6.9
West Germany	529	1,564	1,831	1,529	1,065	944	1,048	1,284	7.3	4.4	4.5
United Kingdom	411	588	928	823	754	604	681	654	5.7	2.3	2.3
Italy	210	798	1,094	731	806	669	727	697	2.9	2.7	2.4
France	164	406	748	485	507	403	439	523	2.3	1.8	1.8
Spain [5]	143	776	1,129	1,264	1,029	837	703	647	2.0	2.7	2.3
Latin America [1]	688	2,274	6,150	5,213	5,263	4,224	3,681	3,671	9.5	14.9	12.8
Mexico	155	586	2,468	1,942	1,993	1,439	1,080	1,201	2.1	6.0	4.2
Venezuela	98	277	701	665	783	638	456	494	1.4	1.7	1.7
Canada	826	1,304	1,852	1,844	1,963	1,622	1,542	1,809	11.4	4.5	6.3
Soviet Union	16	1,133	1,047	1,473	2,878	1,923	658	938	.2	2.5	3.3
Eastern Europe	169	616	2,071	839	758	479	434	436	2.3	5.0	1.5
Africa [1]	254	1,134	2,179	2,458	2,972	2,488	2,008	1,766	3.5	5.3	6.2
Egypt	26	425	770	970	909	891	811	679	.4	1.9	2.4

- Represents or rounds to zero. [1] Includes areas not shown separately. [2] Includes commodities not shown separately. [3] Includes Canary Islands and Madeira Islands for all years. [4] Includes Belgium, Luxembourg, Denmark, Greece, Ireland, and Portugal, not shown separately. As of Jan. 1, 1973, United Kingdom, Denmark, and Ireland became members of EEC. As of Jan. 1, 1981, Greece became a member of EEC. As of Jan. 1, 1986, Spain and Portugal became members of EEC. For consistency, data for all years are shown on same basis. [5] As of Jan. 1, 1984, includes Canary Islands and Spanish Africa, not elsewhere classified.

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual. Also in *Agricultural Statistics*, annual.

No. 1118. U.S. Sales and Donations Under Food for Peace (Public Law 480) Programs—Total, 1954 to 1987, and by Selected Country, 1987

[In millions of dollars. For fiscal years ending in year shown; see text, section 9]

YEAR	Total	Title I sales (loans) [1]	TITLE II DONATIONS			COUNTRY	1987	
			Total	Voluntary relief agencies	Emergency relief and other [2]		Sales	Donations
1954-1987, total	**41,825**	**25,367**	**16,458**	**10,373**	**6,085**	**Total** [3]	**889.0**	**553.0**
						Bangladesh	88.1	20.6
1970	1,142	711	432	181	250	India	-	92.4
1975	1,328	866	461	266	194	Sudan	74.6	6
1980	1,436	843	593	340	253	Pakistan	51.6	17.5
						Morocco	56.0	12.5
1981	1,542	774	768	471	297	El Salvador	42.0	6.4
1982	1,314	690	624	456	168	Jamaica	39.2	7
1983	1,373	773	600	422	178	Philippines	-	39.0
1984	1,524	784	740	523	217	Bolivia	23.9	12.6
1985	2,052	984	1,068	749	319	Indonesia	32.0	4.6
1986	1,763	1,004	759	587	172	Peru	24.1	9.6
1987	1,442	889	553	343	210	Sri Lanka	28.8	3.2

- Represents zero. [1] Includes Title III, Food for Development program. [2] Includes economic development and world food programs. [3] Includes other countries not shown separately.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance From International Organizations*, annual.

No. 1119. Agricultural Exports—Estimated Value, by Leading States: 1987

[In millions of dollars. For year ending September 30]

COMMODITY	Total value	FIVE LEADING STATES									
		1		2		3		4		5	
		State	Value	State	Value	State	Value	State	Value	State	Value
All commodities [1]	**27,859.2**	**CA**	**2,837.1**	**IA**	**2,263.6**	**IL**	**2,115.3**	**NE**	**1,578.3**	**TX**	**1,521.3**
Soybeans and products	5,738.5	IL	1,048.0	IA	1,039.8	MO	508.4	MN	487.9	IN	462.4
Feed grains and products	4,661.7	IA	845.5	IL	738.4	NE	535.4	MN	395.0	IN	361.2
Wheat and products	3,115.8	ND	541.0	KS	438.1	WA	261.8	OK	196.3	MT	190.6
Hides and skins	1,665.6	KS	267.3	TX	239.0	NE	234.1	IA	81.5	CO	78.5
Live animals and meat products	1,630.2	KS	221.4	TX	206.4	NE	202.2	KY	181.9	IA	103.7
Fruits and preparations	1,466.0	CA	833.1	FL	283.9	WA	123.4	OR	46.8	AZ	39.3
Cotton	1,429.4	TX	371.5	CA	328.8	MS	175.4	AZ	120.6	LA	99.4
Tobacco	1,203.9	NC	547.1	KY	231.2	VA	99.3	SC	94.4	GA	84.8
Vegetables and preparations	1,177.7	CA	505.6	WA	107.9	ID	64.5	WI	58.9	MN	56.1
Rice	550.7	AR	256.0	TX	87.1	LA	79.8	CA	59.0	MS	52.1

[1] Includes other commodities not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Agricultural Trade of the United States*, Mar./Apr. 1988.

No. 1120. Agricultural Imports—Value by Selected Commodity, 1970 to 1987, and by Leading Countries of Origin, 1987

[In millions of dollars]

COMMODITY	1970	1975	1980	1983	1984	1985	1986	1987	Leading countries of origin, 1987
Total	**5,770**	**9,293**	**17,366**	**16,530**	**19,334**	**19,968**	**21,440**	**20,398**	**Canada, Mexico, Brazil**
Competitive products	3,609	6,196	10,374	11,002	12,619	13,067	13,432	13,781	Canada, Mexico, Australia
Beef and veal	680	661	1,780	1,363	1,228	1,276	1,288	1,562	Australia, New Zealand, Argentina
Pork	272	430	486	611	755	861	1,001	1,086	Canada, Denmark, Poland
Dairy products	126	215	488	701	773	765	827	831	New Zealand, Ireland, Italy
Fruits and preparations	146	247	564	1,013	1,475	1,738	1,586	1,716	Brazil, Chile, Mexico
Vegetables and preparations	296	376	864	1,074	1,331	1,385	1,602	1,535	Mexico, Spain, China: Taiwan
Wine	145	259	692	844	945	998	1,017	966	France, Italy, Spain
Malt beverages	32	94	367	515	577	633	791	882	Netherlands, Mexico, Canada
Grains and feeds	99	222	371	457	566	623	691	748	Canada, Italy, Denmark
Sugar and related products	798	2,047	2,205	1,304	1,442	1,190	991	630	Canada, Dominican Rep., Brazil
Noncompetitive products	2,161	3,095	6,992	5,528	6,716	6,902	8,008	6,618	Brazil, Indonesia, Colombia
Coffee and products	1,213	1,673	4,186	2,771	3,271	3,322	4,618	2,908	Brazil, Colombia, Mexico
Cocoa and products	279	466	920	837	1,132	1,350	1,127	1,194	Brazil, Ivory Coast, Ecuador
Bananas and plantains	194	230	430	600	665	763	759	819	Honduras, Ecuador, Colombia
Rubber, crude natural	236	365	617	655	824	654	622	760	Indonesia, Malaysia, Thailand

Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Agricultural Trade of the United States*, annual.

No. 1121. Principal Crops—Production, Supply and Disappearance: 1983 to 1987

[**Marketing year beginning May** 1 for **hay, June** 1 for **wheat and barley, August 1** for **cotton and rice, September** 1 for **soybeans, corn, and sorghum.** Acreage, production, and yield of all crops periodically revised on basis of census data. See also *Historical Statistics, Colonial Times to 1970*, series K 506–563]

CROP AND YEAR	ACREAGE (mil.)—			Yield per acre	Pro-duction	Farm price [2]	Farm value (mil. dol.)	Total sup-ply [3]	DISAPPEARANCE		Ending stocks
	Set aside [1]	Plant-ed	Har-vested						Total [4]	Ex-ports	
Corn for grain:				Bu.	Mil. bu.	$/bu.			Mil. bu.		
1983	32.2	60.2	51.5	81.1	4,175	3.21	13,535	7,701	6,694	1,902	1,006
1984	3.9	80.5	71.9	106.7	7,674	2.63	20,085	8,684	7,036	1,865	1,648
1985	5.4	83.4	75.2	118.0	8,877	2.23	19,522	10,536	6,496	1,241	4,040
1986	13.6	76.7	69.2	119.3	8,250	1.50	12,541	12,292	7,410	1,504	4,882
1987	21.1	65.7	59.2	119.4	7,064	1.69	12,130	11,949	7,586	1,700	4,365
Soybeans for beans:				Bu.	Mil. bu.	$/bu.			Mil. bu.		
1983	-	63.8	62.5	26.2	1,636	7.81	12,775	1,981	1,805	743	176
1984	-	67.8	62.1	28.1	1,861	5.78	10,748	2,037	1,721	598	316
1985	-	63.1	61.6	34.1	2,099	5.05	10,581	2,415	1,879	740	536
1986	-	60.4	58.3	33.3	1,940	4.78	9,263	2,476	2,040	757	436
1987	-	57.4	56.4	33.7	1,905	5.43	10,365	2,341	2,066	800	275
Hay:				Sh. tons	Mil. sh. tons	$/ton			Mil. sh. tons		
1983	-	(NA)	59.7	2.36	141	[5] [6] 75.80	9,967	168.9	148.8	(NA)	20.1
1984	-	(NA)	61.4	2.45	151	[5] [6] 72.70	10,204	170.7	143.8	(NA)	26.9
1985	-	(NA)	60.4	2.46	149	[5] [6] 67.60	9,437	175.5	148.8	(NA)	26.7
1986	-	(NA)	62.4	2.49	156	[5] [6] 59.70	8,611	182.2	149.8	(NA)	32.3
1987	-	(NA)	60.8	2.46	149	[5] [6] 66.40	9,103	181.5	154.2	(NA)	27.3
Wheat:				Bu.	Mil. bu.	$/bu.			Mil. bu.		
1983	29.8	76.4	61.4	39.4	2,420	3.51	8,494	3,939	2,540	1,429	1,39
1984	18.5	79.2	66.9	38.8	2,595	3.39	8,797	4,003	2,578	1,424	1,425
1985	18.8	75.6	64.7	37.5	2,425	3.08	7,374	3,866	1,961	915	1,905
1986	20.4	72.1	60.7	34.4	2,092	2.42	5,044	4,018	2,197	1,004	1,821
1987	20.1	65.8	55.9	37.6	2,105	2.55	5,371	3,941	2,710	1,600	1,231
Cotton:				Lb.	Mil. bales [7]	¢/lb.			1,000 bales [7]		
1983	6.8	7.9	7.3	508	[8] 7.8	66.4	2,478	15,721	12,714	6,786	[9] 2,775
1984	2.5	11.1	10.4	600	[8] 13.0	57.8	3,603	15,781	11,755	6,215	[9] 4,102
1985	3.6	10.7	10.2	630	[8] 13.4	56.3	3,559	17,567	8,359	1,960	[9] 9,348
1986	3.4	10.0	8.5	552	[8] 9.7	52.4	2,449	19,082	14,136	6,684	[9] 5,02
1987	3.2	10.4	10.0	706	[8] 14.8	64.2	4,547	19,800	14,300	6,600	[9] 5,80
Tobacco: [10]				Lb.	Mil. lb.	$/lb.			Mil. lb.		
1983	(NA)	(NA)	.8	1,811	1,429	[6] 1.75	2,496	5,349	1,532	596	3,81
1984	(NA)	(NA)	.8	2,183	1,728	[6] 1.81	3,121	5,545	1,621	666	[11] 3,92
1985	(NA)	(NA)	.7	2,197	1,511	[6] 1.65	2,486	5,435	1,620	620	3,81
1986	(NA)	(NA)	.6	2,001	1,164	[6] 1.52	1,771	4,978	1,572	596	3,40
1987	(NA)	(NA)	.6	2,026	1,196	[6] 1.57	1,877	4,636	(NA)	568	(NA
Sorghum for grain:				Bu.	Mil. bu.	$/bu.			Mil. bu.		
1983	5.7	11.9	10.0	48.7	488	2.84	1,337	927	639	245	28
1984	.6	17.3	15.4	56.4	866	2.39	2,139	1,154	854	297	30
1985	.9	18.3	16.8	66.8	1,120	1.93	2,243	1,421	870	178	55
1986	2.3	15.3	13.9	67.7	938	1.37	1,322	1,493	758	198	73
1987	3.9	11.8	10.6	69.9	741	1.56	1,156	1,472	790	225	66
Barley:				Bu.	Mil. bu.	$/bu.			Mil. bu.		
1983	1.1	10.4	9.7	52.3	509	2.47	1,257	733	543	92	1
1984	.5	12.0	11.2	53.4	599	2.29	1,372	799	551	77	24
1985	.7	13.2	11.6	51.0	591	1.98	1,133	848	523	22	32
1986	1.8	13.1	12.0	50.8	611	1.61	994	942	607	137	33
1987	2.9	11.0	10.0	52.6	527	1.86	980	878	580	130	29
Rice, rough:				Lb.	Mil. cwt.	$/cwt.			Mil. cwt.		
1983	1.7	2.2	2.2	4,598	100	8.57	857	172	125	70	4
1984	.8	2.8	2.8	4,954	139	8.04	1,118	187	123	62	6
1985	1.3	2.5	2.5	5,414	134	6.53	893	202	125	59	7
1986	1.3	2.4	2.4	5,651	133	3.75	496	213	162	85	5
1987	1.2	2.4	2.3	5,482	128	7.20	920	182	151	70	3

- Represents zero. NA Not available. [1] Acreage set aside under diversion, PIK (payment-in-kind) and acreag reduction programs. [2] Except as noted, marketing year average price. U.S. prices are computed by weighting U.S. month prices by estimated monthly marketings and do not include an allowance for outstanding loans and government purchases an payments. [3] Comprises production, imports, and beginning stocks. [4] Includes feed, residual, and other domestic uses no shown separately. [5] Prices are for hay sold baled. [6] Season average prices received by farmers. U.S. prices are compute by weighting State prices by estimated sales and include an allowance for outstanding loans and government purchases, if any, fo crops under government programs. [7] Bales of 480 pounds, net weight. [8] State production figures, which conform with U.S Bureau of the Census annual ginning enumeration with allowance for cross-State ginnings, rounded to thousands and added to U.S. totals. [9] Stock estimates based on Census Bureau data which results in an unaccounted difference between supply an use estimates and changes in ending stocks. [10] Flue-cured and cigar wrapper, crop year July–June; all other types Octobe September. Farm-sales-weight basis. [11] Includes tobacco carried over on farms.

Source: Production—U.S. Dept. of Agriculture, National Agricultural Statistics Service. In *Crop Production*, annual, *Field Cro* (Statistical Bulletin No. 708); *Crop Values* (Statistical Bulletin No. 729). Supply and disappearance—U.S. Dept. of Agricultur Economic Research Service, *Feed Situation*, quarterly; *Fats and Oils Situation*, quarterly; *Wheat Situation*, quarterly; *Tobacc Situation*, quarterly; *Cotton and Wool Outlook Statistics*, periodic; and *Agricultural Supply and Demand Estimates*, periodic. All da are also in *Agricultural Statistics*, annual; and *Agricultural Outlook*, monthly.

No. 1122. Crops—Acreage and Value, 1985 to 1987, and Order of Value, 1987, by State

STATE	ACREAGE HARVESTED (1,000)			FARM VALUE (mil. dol.)				Crops in order of value, 1987
	1985	1986	1987, prel.	1985	1986	1987, prel.		
						Value	Rank	
U.S.[1]	**330,063**	**311,519**	**289,070**	**74,805**	**60,582**	**62,939**	(x)	**Corn, soybeans, hay, wheat.**
AL	3,321	2,520	2,267	686	460	504	33	Cotton lint, peanuts, hay, soybeans.
AZ	809	683	738	739	689	865	25	Cotton lint, lettuce, hay, cotton seed.
AR	7,778	7,359	7,052	1,394	945	1,335	16	Soybeans, rice, cotton lint, hay.
CA	5,609	5,070	4,922	8,099	7,841	8,149	1	Grapes, cotton lint, hay, tomatoes.
CO	6,846	6,167	5,654	1,099	895	922	24	Hay, wheat, corn, potatoes.
CT	151	140	140	70	76	70	47	Hay, mushrooms, apples, sweet corn.
DE	554	536	531	124	91	83	45	Soybeans, corn, potatoes, hay.
FL	1,344	1,224	1,117	2,596	2,402	2,252	9	Oranges, tomatoes, grapefruit, potatoes.
GA	5,071	3,881	3,604	1,360	1,031	1,085	23	Peanuts, tobacco, corn, cotton lint.
HI	89	90	87	373	404	[2] 159	41	Sugarcane [3], pineapples, macadamia nuts, papayas.
ID	4,738	4,730	4,141	1,277	1,329	1,107	20	Potatoes, hay, wheat, barley.
IL	23,111	21,900	20,035	5,984	4,337	4,319	2	Corn, soybeans, hay, wheat.
IN	12,362	11,660	10,487	2,919	2,060	2,377	7	Corn, soybeans, hay, wheat.
IA	25,030	23,796	20,956	5,422	4,332	4,290	3	Corn, soybeans, hay, oats.
KS	21,615	20,674	19,874	2,745	2,036	2,263	8	Wheat, sorghum, soybeans, hay.
KY	5,484	5,131	4,943	1,614	1,165	1,208	19	Tobacco, hay, corn, soybeans.
LA	4,632	4,300	3,855	919	806	820	31	Cotton lint, soybeans, rice, hay.
ME	403	385	372	132	183	164	40	Potatoes, hay, apples, oats.
MD	1,639	1,580	1,499	390	271	259	36	Corn, hay, soybeans, tobacco.
MA	164	166	164	160	174	153	42	Cranberries, hay, apples, sweet corn.
MI	7,685	6,990	6,265	1,786	1,366	1,270	18	Corn, hay, soybeans, apples.
MN	20,426	19,096	17,497	3,811	3,089	3,081	5	Soybeans, corn, hay, wheat.
MS	5,604	4,878	4,944	1,128	701	1,094	21	Cotton lint, soybeans, rice, hay.
MO	14,247	13,202	12,409	2,349	1,775	1,924	11	Soybeans, corn, hay, cotton lint.
MT	7,613	9,415	9,242	523	770	836	29	Wheat, hay, barley, oats.
NE	18,509	17,533	15,777	3,503	2,553	2,533	6	Corn, soybeans, hay, wheat.
NV	565	584	577	125	124	127	43	Hay, potatoes, barley, wheat.
NH	113	112	108	30	28	28	48	Hay, apples.
NJ	456	437	389	216	190	175	39	Hay, corn, peaches, soybeans.
NM	1,381	1,179	973	340	261	307	35	Hay, cotton lint, onions, wheat.
NY	4,048	3,855	3,570	906	864	833	30	Hay, corn, apples, potatoes.
NC	5,418	4,581	4,186	1,856	1,402	1,471	14	Tobacco, soybeans, corn, peanuts.
ND	20,495	20,571	19,470	2,156	1,832	1,684	12	Wheat, hay, sunflower, potatoes.
OH	10,845	10,207	9,698	2,572	1,996	2,086	10	Soybeans, corn, hay, wheat.
OK	8,978	8,568	8,347	975	785	862	26	Wheat, hay, cotton lint, peanuts.
OR	2,739	2,711	2,345	908	867	847	28	Hay, wheat, potatoes, pears.
PA	4,569	4,411	4,291	1,172	1,065	1,080	22	Hay, corn, mushrooms, apples.
RI	17	15	13	6	6	5	49	Hay, potatoes, apples.
SC	2,778	2,129	1,916	616	374	490	34	Tobacco, soybeans, corn, peaches.
SD	15,246	15,966	14,761	1,530	1,244	1,317	17	Corn, hay, soybeans, wheat.
TN	5,136	4,586	4,475	1,032	713	854	27	Cotton lint, soybeans, hay, tobacco.
TX	21,094	17,749	16,250	3,753	2,522	3,424	4	Cotton lint, hay, sorghum, corn.
UT	1,129	1,132	1,060	233	217	231	37	Hay, corn, wheat, potatoes.
VT	540	530	497	88	80	74	46	Hay, apples.
VA	3,002	2,790	2,830	684	542	592	32	Hay, tobacco, soybeans, peanuts.
WA	5,052	4,713	3,937	1,784	1,813	1,578	13	Wheat, potatoes, hay, barley.
WV	732	683	732	120	87	94	44	Hay, apples, corn, tobacco.
WI	9,221	9,013	8,218	2,060	1,553	1,460	15	Corn, hay, potatoes, cranberries.
WY	1,980	1,963	1,856	236	240	190	38	Hay, barley, wheat, corn.

X Not applicable. [1] Excludes Alaska. [2] Incomplete data. [3] For sugar and seed.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, annual; and *Crop Values*, annual.

NO. 1123. PRICE SUPPORT OPERATIONS—SELECTED COMMODITIES: 1983 TO 1987

[For explanation of price support operations, see text, section 23]

CROP AND YEAR	Support or target price [1] (dol. per bu.)	National average loan rate (dol. per bu.)	QUANTITY UNDER SUPPORT [2] Amount (mil. bu.)	QUANTITY UNDER SUPPORT [2] Percent of production	CROP AND YEAR	Support or target price [1]	National average loan rate	QUANTITY UNDER SUPPORT [2] Amount	Perce
Corn: [3]					Cotton: [7]	Cents per lb.		1,000 bales [8]	
1983	2.86	2.65	162	4	1983	76.0	55.0	1,744	[illegible]
1984	3.03	2.55	1,097	14	1984	81.0	55.0	2,957	[illegible]
1985	3.03	2.55	3,168	36	1985	81.0	57.3	7,291	[illegible]
1986	3.03	[4] 1.92	4,886	59	1986	81.0	[4] 55.0	6,170	[illegible]
1987	3.03	1.82	[5] 4,200	59	1987	79.4	52.3	[5] 5,350	[illegible]
Soybeans: [3]					Sorghum: [3]	Dol. per cwt.		Mil. cwt.	
1983	(x)	5.02	101	6	1983	4.86	4.50	8	[illegible]
1984	(x)	5.02	278	15	1984	5.14	4.32	36	[illegible]
1985	(x)	5.02	518	25	1985	5.14	4.32	201	[illegible]
1986	(x)	[4] 4.77	327	17	1986	5.14	[4] 3.25	222	[illegible]
1987	(x)	4.77	[5] 276	14	1987	5.14	3.11	[5] 210	[illegible]
Wheat: [6]					Rice: [7]	Dol. per cwt.		Mil. cwt.	
1983	4.30	3.65	635	26	1983	11.40	8.14	40	[illegible]
1984	4.38	3.30	284	11	1984	11.90	8.00	58	[illegible]
1985	4.38	3.30	843	35	1985	11.90	8.00	75	[illegible]
1986	4.38	[4] 2.40	515	25	1986	11.90	[4] 7.20	132	[illegible]
1987	4.38	2.28	[5] 475	23	1987	11.66	6.84	[5] 126	[illegible]

X Not applicable. [1] Guaranteed on normal production from participating farms. [2] Represents loans made, purchases, an purchase agreements entered into. [3] For years beginning September 1. [4] 1986 annual loan rates were reduced 4.3 percen for budget purposes (e.g. corn became $1.84 per bu.). [5] Preliminary. [6] For years beginning June 1. [7] For years beginn August 1. [8] Bales of 480 lb. net weight.

Source: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service. Data published in *Agricultural Statis* annual.

NO. 1124. CORN—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1985 TO 1987

[See *Historical Statistics, Colonial Times to 1970*, series K 502-505]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bu.) [1]			PRODUCTION (mil. bu.) [1]			PRICE [2] (dol. per bu.)			FARM VALUE (mil. dol.)		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	19
U.S. [3]	**75,224**	**69,158**	**59,167**	**118.0**	**119.3**	**119.4**	**8,877**	**8,250**	**7,064**	**2.23**	**1.50**	**1.89**	**19,522**	**12,541**	[illegible]
AL	325	270	250	75.0	57.0	72.0	24	15	18	2.30	1.90	1.80	56	29	[illegible]
CA	320	250	190	145.0	152.0	150.0	46	38	29	3.00	2.15	2.25	139	82	[illegible]
CO	745	710	690	139.0	140.0	155.0	104	99	107	2.37	1.60	1.80	245	159	[illegible]
DE	175	169	148	109.0	83.0	73.0	19	14	11	2.45	1.77	1.95	47	25	[illegible]
GA	975	730	610	84.0	58.0	84.0	82	42	51	2.39	1.93	2.10	196	82	[illegible]
IL	11,370	10,400	9,100	135.0	135.0	132.0	1,535	1,404	1,201	2.27	1.54	1.75	3,484	2,162	[illegible]
IN	6,150	5,700	4,680	123.0	122.0	135.0	756	695	632	2.20	1.53	1.80	1,664	1,064	[illegible]
IA	13,550	12,050	10,050	126.0	135.0	130.0	1,707	1,627	1,307	2.02	1.41	1.80	3,449	2,294	[illegible]
KS	1,170	1,335	1,180	130.0	136.0	120.0	152	182	142	2.37	1.80	1.80	360	290	[illegible]
KY	1,560	1,520	1,140	102.0	92.0	104.0	159	140	119	2.37	1.89	1.90	377	236	[illegible]
LA	205	385	213	114.0	116.0	105.0	23	45	22	2.60	1.75	1.85	61	78	[illegible]
MD	640	580	480	110.0	73.0	78.0	70	42	36	2.43	1.81	1.95	171	77	[illegible]
MI	2,730	2,450	1,950	105.0	105.0	95.0	287	257	185	2.14	1.43	1.70	613	388	[illegible]
MN	6,300	5,800	5,000	115.0	122.0	127.0	725	708	635	2.05	1.46	1.56	1,485	1,033	[illegible]
MS	115	180	185	68.0	75.0	80.0	8	14	15	2.90	2.00	2.10	23	27	[illegible]
MO	2,480	2,420	2,150	110.0	118.0	113.0	273	261	243	2.14	1.45	1.65	584	407	[illegible]
NE	7,450	7,000	6,200	128.0	128.0	131.0	954	896	812	2.22	1.52	1.70	2,117	1,362	[illegible]
NY	720	620	510	95.0	99.0	109.0	68	61	56	2.45	1.78	1.85	169	109	[illegible]
NC	1,625	1,360	1,150	79.0	69.0	60.0	128	94	69	2.43	1.78	2.00	312	167	[illegible]
ND	560	530	500	72.0	93.0	93.0	40	49	47	2.17	1.42	1.65	87	70	[illegible]
OH	4,030	3,720	3,020	127.0	128.0	120.0	512	476	362	2.21	1.50	1.75	1,131	714	[illegible]
PA	1,380	1,240	1,060	110.0	103.0	90.0	152	128	95	2.48	1.83	2.15	376	234	[illegible]
SC	520	460	375	88.0	46.0	78.0	46	21	29	2.15	1.80	1.75	99	38	[illegible]
SD	3,030	2,850	2,750	84.0	82.0	83.[illegible]	252	234	228	2.07	1.37	1.55	522	320	[illegible]
TN	810	770	580	98.0	74.0	91.0	79	57	53	2.30	1.65	1.75	183	94	[illegible]
TX	1,490	1,330	1,250	105.0	112.0	107.0	156	149	134	2.49	1.87	2.05	390	279	[illegible]
VA	550	400	300	99.0	54.0	63.0	54	22	19	2.40	1.70	1.90	131	37	[illegible]
WA	135	120	80	160	170	180	22	20	14	2.65	1.80	2.00	57	37	[illegible]
WI	3,350	3,100	2,800	107.0	118.0	118.0	358	366	330	2.19	1.46	1.70	785	534	[illegible]

[1] 56 pounds per bushel. [2] Marketing year average prices; see text, section 23. [3] Includes other States not show separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, annual; and *Crop Values*, annu

No. 1125. Soybeans for Beans—Acreage, Production, and Value, by State: 1985 to 1987

[See *Historical Statistics, Colonial Times to 1970,* series K 521, for U.S. totals]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bu.)			PRODUCTION (mil. bu.)			PRICE [1] (dol. per bu.)			FARM VALUE (mil. dol.)		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
Total [2]	**61,584**	**58,292**	**56,437**	**34.1**	**33.3**	**33.7**	**2,099**	**1,940**	**1,905**	**5.05**	**4.78**	**5.43**	**10,581**	**9,263**	**10,365**
AR	3,700	3,300	3,150	26.5	20.0	22.0	98	66	69	5.19	4.97	5.75	509	328	398
GA	1,550	820	780	24.0	17.0	20.0	37	14	16	4.82	4.75	5.35	179	66	83
IL	9,000	9,000	8,500	42.5	40.0	38.0	383	360	323	5.17	4.91	5.50	1,978	1,768	1,776
IN	4,460	4,250	4,250	41.5	37.0	40.0	185	157	170	5.04	4.76	5.45	933	745	927
IA	8,150	8,450	7,900	38.0	41.5	43.5	310	351	344	4.99	4.73	5.35	1,545	1,659	1,839
KS	1,410	1,740	2,110	31.0	33.5	32.0	44	58	68	4.95	4.60	5.20	216	268	351
KY	1,230	1,120	960	34.0	32.0	25.0	42	36	24	5.26	4.97	5.50	220	178	132
LA	2,110	1,750	1,600	21.0	20.0	23.5	44	35	38	5.01	4.86	5.55	221	170	209
MI	1,080	930	1,090	32.0	31.0	35.0	35	29	38	4.93	4.67	5.30	170	135	202
MN	5,000	4,650	4,650	32.0	35.0	39.0	160	163	181	4.98	4.72	5.70	797	768	1,034
MS	2,620	2,450	2,450	27.0	17.0	19.5	71	42	48	5.16	4.93	5.65	365	205	270
MO	5,230	5,250	4,830	34.5	32.5	32.0	180	171	155	4.96	4.61	5.30	895	787	819
NE	2,360	2,450	2,300	36.0	38.0	35.5	85	93	82	4.86	4.56	5.20	413	425	425
NC	1,700	1,530	1,340	23.0	24.0	24.5	39	37	33	5.04	4.82	5.65	197	177	185
ND	490	470	475	26.0	35.0	32.5	13	16	15	4.79	4.63	5.20	61	76	80
OH	3,870	3,620	3,980	41.5	40.5	37.0	161	147	147	5.10	4.86	5.50	819	713	810
SC	1,230	830	730	20.0	16.5	21.5	25	14	16	5.09	4.93	5.90	125	68	93
SD	1,270	1,330	1,390	32.0	30.5	32.5	41	41	45	4.80	4.58	5.00	195	186	226
TN	1,460	1,420	1,250	31.0	25.0	23.0	45	36	29	5.08	4.87	5.50	230	173	158

[1] See footnote 2, table 1124. [2] Includes other Status not shown separately.

No. 1126. Wheat—Acreage, Production, and Value, by State: 1985 to 1987

[See *Historical Statistics, Colonial Times to 1970,* series K 506–508, for U.S. acreage, production, and price]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bushels) [1]			PRODUCTION (mil. bushels) [1]			PRICE [2] (dol. per bu.)			FARM VALUE (mil. dol.)		
	1985	1986	1987, prel.	1985	1986	1987, prel.	1985	1986	1987, prel.	1985	1986	1987, prel.	1985	1986	1987, prel.
U.S.[3]	**64,734**	**60,723**	**55,930**	**37.5**	**34.4**	**37.6**	**2,425**	**2,092**	**2,105**	**3.08**	**2.42**	**2.55**	**7,374**	**5,044**	**5,371**
CA	830	675	537	83.0	76.3	77.5	69	52	42	3.43	2.92	2.84	236	150	118
CO	3,522	2,955	2,555	39.6	32.6	38.1	139	96	97	2.77	2.26	2.45	387	218	239
ID	1,350	1,310	1,140	53.4	62.4	75.0	72	82	86	3.18	2.39	2.54	229	196	217
IL	750	820	950	49.0	44.0	59.0	37	36	56	3.02	2.41	2.60	111	87	146
KS	11,400	10,200	9,900	38.0	33.0	37.0	433	337	366	2.86	2.25	2.40	1,239	757	879
MN	2,683	2,814	2,519	53.1	36.8	40.7	142	104	103	3.00	2.43	2.51	428	252	257
MT	3,960	4,760	4,690	12.7	29.1	32.2	50	139	151	3.47	2.52	2.69	174	349	407
NE	2,300	2,000	1,950	39.0	38.0	44.0	90	76	86	2.79	2.23	2.35	250	169	202
ND	8,873	9,380	9,135	36.4	31.2	29.5	323	292	269	3.26	2.54	2.81	1,054	743	755
OH	950	1,050	800	62.0	46.0	58.0	59	48	46	2.98	2.39	2.55	176	115	118
OK	5,500	5,200	4,800	30.0	29.0	27.0	165	151	130	2.91	2.28	2.45	480	344	318
OR	1,065	1,025	810	52.6	57.0	65.3	56	58	53	3.38	2.59	2.70	189	151	143
SD	3,755	3,840	3,528	29.6	28.3	30.2	111	109	107	3.25	2.42	2.51	361	263	268
TX	5,850	4,800	3,600	32.0	25.0	28.0	187	120	101	2.97	2.32	2.35	556	278	237
WA	2,690	2,410	2,015	47.7	48.5	56.7	128	117	114	3.41	2.51	2.70	437	293	309

[1] 60 pounds per bushel. [2] See footnote 2, table 1124. [3] Includes other States not shown separately.

No. 1127. Cotton—Acreage, Production, and Value, by State: 1985 to 1987

[Cotton production excludes linters. Values shown are for marketing season or crop year and should not be confused with calendar-year income. See *Historical Statistics, Colonial Times to 1970,* series K 553–558 for U.S. totals]

STATE	ACREAGE HARVESTED (1,000)			YIELD PER ACRE (lb.)			PRODUCTION (1,000 bales) [1]			FARM PRICE PER LB.[2] (cents)			FARM VALUE (mil. dol.)		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
Total [3]	**10,229**	**8,468**	**10,035**	**630**	**552**	**706**	**13,432**	**9,731**	**14,760**	**56.3**	**52.4**	**64.2**	**3,559**	**2,449**	**4,547**
AL	329	313	333	795	506	572	545	330	397	54.3	52.1	65.1	142	82	124
AZ	415	323	380	1,198	1,224	1,342	1,037	823	1,062	58.2	60.6	72.2	259	239	368
AR	440	480	550	767	602	786	703	602	901	55.9	49.7	62.8	189	144	272
CA	1,320	990	1,141	1,132	1,088	1,258	3,114	2,245	2,991	61.8	59.1	69.1	924	637	992
GA	245	195	245	725	455	662	370	185	338	54.3	58.3	62.4	96	52	101
LA	630	570	600	565	567	782	742	673	977	55.7	49.8	63.1	198	161	296
MS	1,040	1,000	1,010	764	571	829	1,655	1,190	1,745	55.9	50.9	62.5	444	291	524
OK	360	350	400	380	288	415	285	210	346	48.5	43.4	59.1	66	44	98
TN	355	335	435	600	567	700	419	396	634	53.6	49.0	63.3	108	93	193
TX	4,669	3,476	4,431	406	356	508	3,945	2,576	4,686	51.6	46.8	60.7	968	579	1,365

[1] Bales of 480 lb. net weight. [2] See footnote 2, table 1124. [3] Includes other States not shown separately.

Source of tables 1125–1127: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production,* May issue and annual; and *Crop Values,* annual.

No. 1128. Tobacco—Acreage, Production, and Value, by State: 1985 to 1987

[See *Historical Statistics, Colonial Times to 1970*, series K 561-563, for U.S. acreage, production, and price]

STATE	ACREAGE HARVESTED (1,000)			YIELD PER ACRE (pounds)			PRODUCTION (mil. lb.)			PRICE [1] (dol. per lb.)			FARM VALUE (mil. dol.)		
	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
Total [2]	**688**	**582**	**590**	**2,197**	**2,001**	**2,026**	**1,511**	**1,164**	**1,196**	**1.65**	**1.52**	**1.57**	**2,486**	**1,771**	**1,877**
FL	6	5	6	2,675	2,510	2,465	16	13	14	1.71	1.62	1.64	28	22	23
GA	36	31	32	2,280	2,190	2,255	82	68	72	1.71	1.58	1.63	140	107	118
KY	186	153	148	2,300	2,054	2,056	428	315	305	1.58	1.55	1.56	678	488	476
MD	20	16	15	1,330	1,320	1,250	27	21	19	1.32	1.18	[1] .25	35	25	23
NC	251	215	225	2,220	2,073	2,075	557	445	467	1.71	1.53	1.58	951	682	737
OH	8	7	7	2,140	1,829	1,639	17	14	12	1.52	1.54	1.54	26	21	19
PA	12	11	11	1,904	1,985	1,882	22	22	21	.84	.67	.77	18	15	16
SC	43	37	42	2,300	2,040	2,240	99	75	94	1.73	1.44	1.61	171	109	151
TN	62	49	49	2,065	1,682	1,766	127	83	87	1.57	1.52	1.55	200	126	135
VA	43	38	39	2,104	1,913	1,950	91	74	77	1.69	1.51	1.52	154	111	117

[1] See footnote 6, table 1121. [2] Includes other States not shown separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, May issue and annual; and *Crop Values*, annual.

No. 1129. Sugar, Beet and Cane—Supply and Disappearance: 1970 to 1987

[In thousands of short tons, raw value]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Total supply	**14,392**	**13,132**	**14,621**	**14,110**	**14,380**	**12,441**	**12,003**	**12,043**	**11,807**	**11,637**	**12,8**
United States production	5,874	6,300	5,793	5,736	6,225	5,936	5,682	5,890	5,969	6,257	7,30
Beet	3,511	3,473	3,066	3,052	3,182	3,160	2,588	3,059	2,869	3,201	3,88
Mainland cane [1]	1,201	1,720	1,667	1,661	1,995	1,793	2,050	1,769	2,086	2,024	2,4
Hawaii	1,162	1,107	1,060	1,023	1,048	983	1,044	1,062	1,014	1,032	97
Imports	5,296	3,882	5,027	4,485	5,025	2,964	3,186	3,559	2,797	2,223	1,5
Puerto Rico	353	96	47	178	48	80	67	24	36	31	12
Beginning stocks	2,869	2,854	3,754	3,701	3,082	3,461	3,068	2,570	3,005	3,126	3,2
Total disappearance	**10,926**	**10,276**	**10,920**	**11,028**	**10,919**	**9,373**	**9,433**	**9,038**	**8,681**	**8,412**	**8,8**
U.S. consumption	10,532	10,302	10,756	10,189	9,769	9,160	8,917	8,454	8,035	7,786	8,1
Exports	66	216	73	689	1,191	137	300	429	464	556	74
Other [2]	328	−242	91	150	−41	76	216	155	182	70	−1

[1] Florida, Louisiana, and beginning 1975, Texas. [2] Includes net change in invisible stocks, balancing items, and mino quantities of sugar for livestock feed and alcohol.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Sugar and Sweetener Outlook and Situation*.

No. 1130. Sugarcane and Sugar Beets, and Sugar—Summary: 1970 to 1987

[Data are for crop year. See also *Historical Statistics, Colonial Times to 1970*, series K 542-546]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Sugarcane for sugar and seed:											
Acreage harvested [2]	1,000 acres	584	774	733	755	742	768	747	770	796	80
Yield per acre	Sh. tons	41.1	36.6	36.8	36.3	40.1	36.7	36.6	36.6	38.1	35.
Production	Mil. tons	24.0	28.3	27.0	27.4	29.8	28.2	27.3	28.2	30.3	28.
Price per ton for sugar [1]	Dollars	[3] 10.50	21.50	38.50	24.90	26.50	27.80	28.20	26.70	27.30	(NA)
Farm value [3]	Mil. dol	[3] 140	608	1,036	682	790	781	770	752	825	(NA)
Sugar beets:											
Acreage harvested	1,000 acres	1,413	1,517	1,190	1,226	1,027	1,056	1,096	1,103	1,191	1,25
Yield per acre	Sh. tons	18.7	19.6	19.8	22.4	20.3	19.9	20.2	20.4	21.1	22.
Production	Mil. sh. tons	26.4	29.7	23.5	27.5	20.9	21.0	22.1	22.5	25.2	28.
Price per ton [1]	Dollars	14.80	27.60	47.20	29.20	35.40	37.00	33.90	33.80	35.90	(NA)
Farm value	Mil. dol	392	821	1,109	804	740	778	750	761	902	(NA)
Sugar produced:											
Beet, raw value [4]	1,000 tons	3,322	4,019	3,149	3,388	2,737	2,699	2,902	3,000	3,416	3,88
Cane, raw value [4]	1,000 tons	2,416	2,934	2,726	2,833	3,063	2,930	3,007	3,033	3,281	3,30
Per ton of cane [4]	Lb	210	214	213	217	215	215	231	226	227	22
Cane, refined basis [5]	1,000 tons	2,258	2,743	2,550	2,647	2,863	2,739	2,811	2,835	3,066	3,11
Molasses made from sugarcane [6]	Mil. gal	141	183	163	183	177	176	174	179	186	18

NA Not available. [1] Season average prices received by farmers. Prices exclude Government payments under Sugar Ac [2] Excludes Hawaii. [3] Price per ton of cane for sugar used in evaluating value of production for seed. [4] Raw value equa 96° sugar as defined in Sugar Act of 1948. [5] Calculated on the basis of 100 lbs. of raw sugar required to produce 93.46 lbs. o refined sugar. [6] 80° brix except 85° brix for Hawaii. Includes high-test molasses from frozen cane. Excludes edible molasse

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Field Crops* (Statistical Bulletin 708); *Crop Productio* June issue and annual; and *Crop Values*, annual.

No. 1131. COMMERCIAL VEGETABLE AND OTHER SPECIFIED CROPS—AREA, PRODUCTION, AND VALUE, 1985 TO 1987, AND LEADING PRODUCING STATES, 1987

[Relates to commercial production for fresh market and processing combined. Includes market garden areas but excludes minor producing acreage in minor producing States. Excludes production for home use in farm and nonfarm gardens. Value is for season or crop year and should not be confused with calendar-year income]

CROP	AREA [1] (1,000 acres)			PRODUCTION [2] (1,000 short tons)			VALUE [3] (mil. dol.)			Leading States in order of production, 1987
	1985	1986	1987	1985	1986	1987	1985	1986	1987	
Asparagus	91.5	96.2	100.0	106.8	111.5	117.4	137.5	137.0	136.0	CA, WA, MI.
Beans, snap [4]	222.2	190.6	220.0	702.5	609.4	676.3	118.8	97.3	108.1	WI, OR, NY.
Beans, dry edible	1,481.4	1,495.0	1,708.4	1,108.8	1,144.2	1,315.5	389.4	436.3	406.6	CA, MI, NE.
Broccoli	109.5	119.1	120.2	531.4	576.5	571.6	239.3	239.7	238.8	CA, TX, AZ.
Carrots	90.1	86.1	93.1	1,145.8	1,171.7	1,277.0	206.4	235.9	215.9	CA, WA, TX.
Cauliflower	61.2	67.8	66.1	333.2	376.4	367.0	169.1	191.9	187.6	CA, AZ, NY.
Celery	33.9	33.3	34.0	917.5	880.7	892.4	189.5	211.1	197.0	CA, FL, MI.
Corn, sweet	625.9	598.0	621.0	3,426.1	3,310.3	3,636.6	367.5	359.7	368.2	WI, MI, WA.
Cucumbers [4]	115.2	110.5	109.6	694.4	639.6	635.5	123.6	113.4	114.4	MI, NC, CA.
Honeydew melons	25.7	28.8	28.6	237.9	271.9	240.6	58.1	69.1	69.3	CA, TX, AZ.
Lettuce	225.7	216.0	221.0	3,090.2	2,931.1	2,905.2	675.3	701.3	857.0	CA, AZ, FL.
Peppermint	65.1	64.2	65.8	4.3	4.3	4.4	44.0	46.2	52.0	OR, WA, ID.
Spearmint	30.1	28.5	23.8	2.3	2.7	2.1	27.1	30.4	25.0	WA, ID, IN.
Onions	122.8	115.3	123.7	2,253.0	2,165.1	2,250.0	347.2	427.7	503.7	TX, CO, OR.
Peas, green [4]	353.6	272.4	290.3	577.8	414.9	439.5	138.5	93.8	98.6	WI, NY, WA.
Potatoes	1,361.1	1,219.6	1,282.1	2,035.6	1,807.6	1,929.0	1,570.6	1,808.5	1,702.0	ID, WA, CA.
Strawberries	44.1	44.4	44.6	509.4	509.7	556.0	450.8	503.6	549.1	WI, CA, OR.
Sweet potatoes	105.3	93.4	93.3	742.7	637.7	605.2	130.5	139.0	160.0	NC, CA, TX.
Tomatoes	390.1	379.2	386.2	8,672.0	8,971.0	9,183.9	1,107.9	1,264.9	1,274.7	CA, TN, SC.

[1] Area of crops for harvest for fresh market, including any partially harvested or not harvested because of low prices or other factors, plus area harvested for processing. [2] Excludes some quantities not marketed. [3] Fresh market vegetables valued at f.o.b. shipping point. Processing vegetables are equivalent returns at packinghouse door. [4] Processing only.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Vegetables*, annual summary. Also in *Agricultural Statistics*, annual.

No. 1132. FRUITS AND NUTS—UTILIZED PRODUCTION AND VALUE, 1985 TO 1987, AND LEADING PRODUCING STATES, 1987

FRUIT OR NUT	UTILIZED PRODUCTION [1]				FARM VALUE (mil. dol.)			Leading States in order of production, 1987
	Unit	1985	1986	1987	1985	1986	1987	
Apples (35 States) [2]	Mil. lb	7,836	7,907	10,242	917	1,059	869	WA, MI, NY.
Apricots	1,000 tons	106	55	105	28	22	37	CA, WA, UT.
Avocados	1,000 tons	180	303	230	179	104	150	CA, FL.
Bananas	Mil. lb	8	10	11	2	3	3	HI.
Cherries, sweet	1,000 tons	127	137	209	101	113	155	WA, OR, CA.
Cherries, tart	Mil. lb	280	218	286	63	44	17	MI, NY, UT.
Cranberries	1,000 bbl. [3]	3,485	3,640	3,258	190	188	169	MA, WI, NJ.
Dates	1,000 tons	29	18	19	25	15	16	CA.
Figs (fresh)	1,000 tons	33	49	49	10	14	15	CA.
Grapefruit (4 States)	Mil. boxes [4]	56	57	63	309	340	412	FL, CA, AZ.
Grapes (12 States)	1,000 tons	5,607	5,225	5,250	959	1,173	1,361	CA, WA, NY.
Kiwifruit	1,000 tons	21	23	27	17	24	18	CA.
Lemons (2 States)	Mil. boxes [5]	26	18	29	166	219	182	CA, AZ.
Limes (FL)	Mil. boxes [6]	2	2	1	20	22	20	FL.
Nectarines	1,000 tons	210	172	191	69	76	66	CA.
Olives	1,000 tons	96	112	68	54	66	42	CA.
Oranges and tangerines (4 States)	Mil. boxes [7]	162	180	188	1,509	1,151	1,390	FL, CA, AZ.
Papayas	Mil. lb	60	61	67	9	11	11	HI.
Peaches (32 States)	Mil. lb	2,046	2,240	2,301	307	327	326	CA, SC, GA.
Pears	1,000 tons	747	760	938	201	203	165	CA, WA, OR.
Pineapples	1,000 tons	585	646	692	91	100	99	HI.
Plums and prunes (fresh)	1,000 tons	645	487	974	192	192	249	CA, OR, MI.
Pomegranates	1,000 tons	19	22	19	6	8	8	CA.
Tangelos (FL)	Mil. boxes [8]	4	3	4	34	19	25	FL.
Temples (FL)	Mil. boxes [8]	3	3	3	26	16	21	FL.
Almonds (shelled basis)	Mil. lb	465	250	660	361	462	616	CA.
Filberts (in the shell)	1,000 tons	25	15	22	17	11	21	OR, WA.
Macadamia nuts	Mil. lb	42	44	43	30	35	36	HI.
Pecans (in the shell) (11 States)	Mil. lb	244	273	262	166	196	139	GA, TX, AL.
Pistachios	Mil. lb	27	75	33	36	80	45	CA.
Walnuts, English (in the shell)	1,000 tons	219	180	247	175	184	235	CA.

[1] Excludes quantities not harvested or not marketed. [2] Production in commercial orchards with 100 or more bearing age trees. [3] Barrels of 100 pounds. [4] Approximate average, net weight, is 65 lb. in AZ and CA, 85 in FL, and 80 in TX. [5] About 76 lb. net. [6] Approximate net weight is 80 lb. [7] Net contents of box varies. In CA and AZ approximate average for oranges and tangerines is 75 lb.; FL oranges, 90 lb.; TX oranges, 85 lb.; and FL tangerines, 95 lb. [8] Approximate net weight is 90 lb.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts*, annual; and *Citrus Fruits*, annual.

No. 1133. Red Meats—Slaughtering, Production, and Trade: 1970 to 1987

[**Quantities represent carcass weight equivalent.** 1970 excludes Alaska and Hawaii except for exports and imports. Covers inspected, noninspected, retail, and farm slaughter. Excludes edible byproducts. Excludes USDA exports, military civilian feeding, and voluntary relief feeding. See also *Historical Statistics, Colonial Times to 1970*, series K 583–594]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
All red meats:												
Animals slaughtered, total	Mil. head	137.3	124.8	132.3	139.7	136.8	128.8	135.0	133.8	131.3	126.8	125.5
Under Federal inspection	Percent	89	91	94	94	94	95	95	96	96	96	97
Production, total[1]	Bil. lb	36.2	36.8	37.6	39.0	39.0	37.6	39.3	39.3	39.4	39.3	38.7
Federally inspected	Percent	89	90	94	94	94	95	95	96	96	96	97
Exports of U.S. production[2]	Mil. lb	305	449	673	642	714	680	682	699	646	800	901
Imports for consumption	Mil. lb	2,429	2,248	2,974	2,664	2,333	2,589	2,670	2,821	3,255	3,319	3,523
Beef:												
Animals slaughtered, total	Mil. head	35.4	41.5	34.0	34.1	35.3	36.2	37.0	37.9	36.6	37.6	35.9
Under Federal inspection	Percent	87	89	94	94	94	94	94	95	95	96	97
Production, total	Bil. lb	21.7	24.0	21.4	21.6	22.4	22.5	23.2	23.6	23.7	24.4	23.6
Federally inspected	Percent	88	90	94	94	94	95	95	95	96	96	97
Exports of U.S. production[2]	Mil. lb	101	110	215	220	252	305	312	376	379	573	656
Imports for consumption	Mil. lb	1,792	1,758	2,405	2,064	1,743	1,939	1,931	1,823	2,071	2,129	2,2[illegible]
Veal:												
Animals slaughtered, total	Mil. head	4.2	5.4	2.9	2.7	2.9	3.1	3.2	3.4	3.5	3.5	2.9
Under Federal inspection	Percent	72	72	89	89	89	88	88	90	92	92	95
Production, total	Mil. lb	588	873	434	400	436	448	454	495	514	524	425
Federally inspected	Percent	57	57	73	74	74	76	78	82	86	87	86
Lamb and mutton:												
Animals slaughtered, total	Mil. head	10.8	8.1	5.2	5.7	6.2	6.6	6.8	6.9	6.3	5.8	5.3
Under Federal inspection	Percent	93	94	96	96	96	94	94	95	95	95	97
Production, total	Mil. lb	551	410	293	318	338	365	376	380	357	337	316
Federally inspected	Percent	93	94	94	94	94	95	95	95	96	96	96
Pork:												
Animals slaughtered, total	Mil. head	87.0	69.8	90.2	97.2	92.5	82.8	88.1	85.6	84.9	80.0	81.4
Under Federal inspection	Percent	90	93	96	96	96	96	96	96	97	97	97
Production, total[1]	Bil. lb	13.4	11.5	15.5	16.6	15.9	14.2	15.2	14.8	14.8	14.1	14.4
Federally inspected	Percent	90	93	95	95	95	96	96	96	97	97	97

[1] Excludes lard. [2] Includes shipments to territories.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Livestock and Meat Statistics*, annual.

No. 1134. Dairying—Cows and Dairy Products: 1970 to 1987

[See also *Historical Statistics, Colonial Times to 1970*, series K 595–608]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
Cows and heifers that have calved, kept for milk, Jan. 1[1]	Mil. head	13.3	11.1	10.8	11.0	11.0	11.1	10.8	11.2	10.5
Milk produced on farms	Bil. lb	117	115	128	136	140	135	143	143	142
Production per cow	1,000 lb	9.8	10.4	11.9	12.3	12.6	12.6	13.0	13.3	13.8
Whole milk sold from farms[2]	Bil. lb	113	112	126	133	137	133	141	141	140
Sales to plants and dealers	Bil. lb	110	110	125	132	136	131	139	140	139
Value of milk produced	Bil. dollars	6.8	10.2	16.9	18.6	19.1	18.3	18.4	18.1	18.0
Gross farm income, dairy products	Bil. dollars	6.7	10.1	16.7	18.3	18.9	18.1	18.2	17.8	17.8
Cash receipts from marketing of milk and cream[2]	Bil. dollars	6.5	9.9	16.6	18.2	18.8	17.9	18.1	17.8	17.7
Sales to plants and dealers	Bil. dollars	6.3	9.7	16.3	17.9	18.5	17.7	17.8	17.5	17.5
Number of dairy plants manufacturing one or more dairy products	Number	3,749	[illegible]801	2,257	2,076	2,120	2,059	2,061	1,988	1,933
Manufactured dairy products:										
Butter (incl. whey butter)	Mil. lb	1,137	98[illegible]	1,145	1,257	1,299	1,103	1,248	1,202	1,104
Cheese, total[3]	Mil. lb	2,201	2,811	[illegible]984	4,542	4,819	4,674	5,081	5,209	5,344
American (excl. full-skim American)	Mil. lb	1,428	1,660	2,[illegible]76	2,752	2,928	2,648	2,855	2,798	2,717
Swiss (including block)	Mil. lb	144	174	21[illegible]	221	209	208	223	227	227
Muenster, Brick, and Limburger[4]	Mil. lb	59	74	87	87	85	93	103	110	123
Cream and Neufchatel	Mil. lb	126	160	229	263	270	276	294	322	342
All Italian varieties	Mil. lb	394	672	983	1,[illegible]98	1,200	1,319	1,491	1,633	1,8[illegible]
Cottage cheese: Creamed[5]	Mil. lb	1,036	991	825	74[illegible]	743	736	716	705	675
Curd, pot, and bakers'	Mil. lb	726	701	667	62[illegible]	618	606	599	600	574
Condensed bulk milk	Mil. lb	1,237	1,041	952	975	984	1,159	1,232	1,362	1,3[illegible]
Evaporated and condensed canned milk	Mil. lb	1,293	938	725	754	710	666	656	602	587
Dry whole milk	Mil. lb	69	63	83	102	111	120	119	122	146
Nonfat dry milk solids[6]	Mil. lb	1,456	1,009	1,168	1,410	1,51[illegible]	1,168	1,398	1,294	1,079
Dry whey[7]	Mil. lb	621	596	690	791	892	898	987	1,031	1,034
Dry buttermilk	Mil. lb	60	43	44	39	46	43	52	66	[illegible]
Ice cream of all kinds	Mil. gal	762	837	830	852	882	88[illegible]	901	924	901
Milk sherbet	Mil. gal	49	49	45	46	48	47	48	50	50
Ice milk	Mil. gal	287	299	293	281	295	300	301	315	330
Wholesale prices, American cheese: 40-lb. blocks, Wis. assembly points	Cents per lb	55.0	86.6	133.0	138.3	138.3	138.0	127.7	127.3	128.2
Prices received by farmers, whole milk:										
Wholesale, per 100 lb	Dollars	5.71	8.75	13.05	13.61	13.58	13.46	12.75	12.51	12.54
Sold directly to consumers	Cents per qt	27.0	35.4	45.3	48.1	48.4	49.2	48.7	48.3	48.6

[1] For 1970, cows and heifers 2 years old and over. [2] Comprises sales to plants and dealers, and retail sales by farmers direct to consumers. [3] Includes varieties not shown separately. Beginning 1975, includes full-skim. [4] Beginning 198 excludes limburger. [5] Includes partially creamed (low fat). [6] Includes dry skim milk for animal feed. [7] Includes animal ... excludes modified whey production.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Production of Manufactured Dairy Products*, annual, and *Milk Production, Disposition, and Income*, annual.

No. 1135. LIVESTOCK INVENTORY AND PRODUCTION: 1970 TO 1988

[See also *Historical Statistics, Colonial Times to 1970*, series K 564-569 and 575-582]

TYPE OF LIVESTOCK	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
ALL CATTLE												
Inventory: [1] Number on farms	Mil	112.4	132.0	111.2	114.4	115.4	115.0	113.7	109.7	105.5	102.0	99.0
Total value	Bil. dol	20.2	21.0	55.8	54.1	47.9	46.7	45.0	44.1	41.3	41.5	51.8
Value per head	Dol	179	159	502	473	415	406	396	402	391	407	523
Production: Quantity [2]	Bil. lb	39.4	40.9	40.3	41.2	40.7	40.3	40.0	40.2	40.5	40.3	(NA)
Beef, price per 100 lb	Dol	27.10	32.20	62.40	58.60	56.70	55.50	57.30	53.70	52.60	61.10	(NA)
Calves, price per 100 lb	Dol	34.50	27.20	76.80	64.00	59.80	61.70	59.90	62.10	61.10	78.50	(NA)
Value of production	Bil. dol	10.9	12.8	25.5	23.7	22.6	22.0	22.1	21.2	20.9	24.6	(NA)
HOGS AND PIGS												
Inventory: [3] Number on farms	Mil	57.0	54.7	67.3	64.5	58.7	54.5	56.7	54.1	52.3	50.9	53.8
Total value	Bil. dol	2.2	2.5	3.8	4.8	4.1	4.9	3.3	4.1	3.6	4.7	4.1
Value per head	Dol	39.00	44.90	56.00	74.70	70.10	89.90	58.80	75.00	69.60	91.90	76.20
Production: Quantity [2]	Bil. lb	21.8	16.8	23.4	21.8	19.7	21.2	20.2	20.2	19.4	20.4	(NA)
Price per 100 lb	Dol	22.70	46.10	38.00	43.90	52.30	46.80	47.10	44.00	49.30	51.20	(NA)
Value of production	Bil. dol	5.0	7.8	8.9	9.5	10.3	9.9	9.5	8.9	9.6	10.4	(NA)
SHEEP AND LAMBS												
Inventory: [1] Number on farms	Mil	20.4	14.5	12.7	12.9	13.0	12.1	11.5	10.4	10.0	10.3	10.8
Total value	Mil. dol	513	442	993	904	742	629	599	638	673	782	969
Value per head	Dol	25.10	30.50	78.20	69.90	57.10	51.80	52.10	61.10	67.40	75.70	89.90
Production: Quantity [2]	Mil. lb	1,099	785	746	772	785	768	694	694	721	742	(NA)
Sheep, price per 100 lb	Dol	7.52	11.30	21.30	21.20	19.50	15.70	16.40	23.90	25.60	29.50	(NA)
Lambs, price per 100 lb	Dol	26.40	42.10	63.60	54.90	53.10	53.90	60.10	67.70	69.00	77.60	(NA)
Value of production	Mil. dol	260	303	403	359	356	357	377	428	444	499	(NA)

NA Not available. [1] As of Jan. 1. [2] Liveweight production. Adjustment made for changes in inventory and for inshipments. [3] As of Dec. 1 of preceding year.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Meat Animals—Production, Disposition, and Income*, annual; and annual livestock summaries. Also in *Agricultural Statistics*, annual.

No. 1136. LIVESTOCK ON FARMS—NUMBER, PRODUCTION, AND VALUE, BY STATE: 1987 AND 1988

STATE	ALL CATTLE			MILK COWS			SHEEP AND LAMBS			HOGS AND PIGS		
	Number on farms, [1] 1988 (1,000)	Quantity produced, [2] 1987 (mil. lb.)	Value of production, 1987 (mil. dol.)	Number on farms, [1] [3] 1988 (1,000)	Milk produced on farms, 1987 (mil. lb.)	Value of milk produced, [4] 1987 (mil. dol.)	Number on farms, [1] 1988 (1,000)	Quantity produced, [2] 1987 (mil. lb.)	Value of production, 1987 (mil. dol.)	Number on farms, [5] 1987 (1,000)	Quantity produced, [2] 1987 (mil. lb.)	Value of production, 1987 (mil. dol.)
U.S. [6]	**98,994**	**40,282**	**24,629**	**10,307**	**142,462**	**18,004**	**10,774**	**742**	**499**	**53,795**	**70,419**	**10,427**
AZ	960	581	356	90	1,432	183	284	13	6	130	54.5	31.0
AR	1,850	658	384	72	748	106	-	-	-	465	216.5	103.9
CA	4,600	1,903	1,083	1,005	17,934	2,091	1,015	95	69	130	54.5	31.6
CO	2,700	1,698	1,120	72	1,192	164	860	46	31	205	71.8	38.5
FL	1,970	425	297	179	2,209	362	-	-	-	150	50.2	25.1
GA	1,520	394	229	102	1,155	164	-	-	-	1,175	396.5	204.9
ID	1,570	752	453	160	2,375	273	324	31	21	80	27.4	13.7
IL	2,050	802	508	210	2,775	350	107	8	6	5,300	2,141.9	1,081.2
IN	1,360	418	240	190	2,415	307	80	7	4	4,600	1,605.7	805.0
IA	4,600	2,242	1,379	299	3,550	430	405	33	23	13,800	5,390.1	2,766.6
KS	5,860	3,046	1,967	104	1,241	155	277	18	13	1,450	575.8	284.8
KY	2,450	729	433	218	2,338	302	34	3	2	900	345.0	182.8
MI	1,225	462	247	358	5,248	663	105	9	6	1,350	434.3	217.6
MN	2,850	1,421	829	810	10,436	1,238	238	18	12	4,350	1,615.0	840.3
MO	4,250	1,300	633	224	2,900	360	103	8	5	2,950	1,139.7	590.1
MT	2,350	889	560	25	331	42	538	36	23	230	84.3	38.5
NE	5,450	3,441	2,213	100	1,340	166	180	13	6	4,000	1,487.0	760.2
NM	1,320	602	363	59	979	129	451	19	13	31	11.7	5.9
NY	1,702	242	131	944	11,362	1,448	63	4	2	124	41.3	20.4
NC	825	284	160	105	1,555	229	13	1	(Z)	2,500	919.4	468.3
ND	1,800	749	497	99	1,103	122	169	14	9	320	109.0	52.7
OH	1,820	592	353	368	4,810	614	270	17	12	2,150	789.8	387.2
OK	5,050	2,112	1,222	108	1,170	157	124	6	4	200	86.2	43.1
OR	1,360	488	289	94	1,471	187	490	37	24	100	46.6	24.8
PA	1,920	572	333	724	10,183	1,356	10	6	4	880	290.2	148.9
SD	3,500	1,763	1,117	147	1,759	206	610	54	41	1,520	659.9	345.2
TN	2,300	744	408	204	2,207	297	12	1	(Z)	800	280.6	136.2
TX	13,500	5,445	3,394	340	4,300	593	1,960	116	79	580	216.8	109.2
UT	760	291	186	73	1,121	137	478	36	24	26	7.8	3.7
VA	1,700	682	387	145	2,016	272	140	10	6	420	167.2	83.7
WA	1,290	533	326	211	3,763	475	72	6	4	56	18.5	9.3
WI	4,230	1,355	788	1,790	24,800	3,014	78	8	5	1,280	567.9	288.7
WY	1,290	465	315	10	120	14	885	50	31	36	10.1	5.1

- Represents zero. Z Less than $500,000. [1] As of January 1. [2] Liveweight production. Adjustment made for changes in inventory and for inshipments. [3] Represents cows and heifers that have calved, kept for milk. [4] Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. Includes value of milk fed to calves. [5] As of December 1. [6] Includes other States, not shown separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Meat Animals—Production, Disposition and Income*, annual; and *Milk Production, Disposition, and Income*, annual.

No. 1'37. POULTRY—NUMBER ON FARMS, VALUE, PRODUCTION, AND PRICES: 1970 TO 1987

[**For year ending November 30 except as noted.** See also *Historical Statistics, Colonial Times to 1970*, series K 609-623]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Chickens:[1] Number[2]	Million	433	380	401	392	385	379	365	374	369	369	378
Value per head[2]	Dollars	1.21	1.74	1.81	1.88	1.89	1.85	1.96	2.02	1.90	1.87	1.87
Value, total[2]	Mil. dol	525	660	726	737	728	703	717	754	700	691	708
Number produced[3]	Million	264	233	251	241	242	246	232	242	220	216	218
Price per lb.[3]	Cents	9.1	9.9	13.9	11.0	11.1	10.3	12.7	15.9	14.8	12.5	11.8
Production value[3]	Mil. dol	107	105	171	129	135	121	145	181	152	129	114
Broilers:[4] Number produced	Million	2,987	2,950	3,951	3,963	4,148	4,149	4,184	4,282	4,479	4,646	5,003
Price per lb	Cents	13.6	26.3	26.0	27.7	28.4	26.9	28.6	33.7	30.1	34.5	28.7
Production value	Mil. dol	1,475	2,915	4,032	4,303	4,699	4,502	4,873	6,018	5,680	6,780	6,178
Turkeys: Number raised	Million	116	124	156	165	171	165	171	171	185	207	240
Price per lb	Cents	22.6	34.8	41.1	41.3	38.2	39.5	38.0	48.9	49.1	47.1	34.8
Gross income	Mil. dol	498	793	1,214	1,272	1,248	1,255	1,269	1,655	1,819	1,948	1,701

[1] Excludes commercial broilers. [2] As of Dec. 1. [3] Beginning 1985, represents number sold and value of sales. [4] Young chickens of the heavy breeds and other meat-type birds, to be marketed at 2-5 lbs. live weight and from which no pullets are kept for egg production. Not included in production of chickens.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Hatchery Production—Annual; Poultry—Production, Disposition, and Income;* and *Turkeys.*

No. 1138. POULTRY—PRODUCTION, BY STATE: 1986 AND 1987

[**In millions.** See *Historical Statistics, Colonial Times to 1970*, series K 614 and 621 for U.S. totals]

STATE	CHICKENS SOLD		BROILERS PRODUCED		TURKEYS RAISED	
	1986	1987	1986	1987	1986	1987
U.S	**218**	**218**	**4,646**	**5,003**	**207**	**240**
AL	10.0	10.0	587.6	665.5	(Z)	(Z)
AR	16.0	16.2	786.8	878.6	16.5	18.0
CA	19.7	18.6	184.8	196.1	21.9	25.5
CT	3.1	4.5	(Z)	(Z)	(Z)	(Z)
DE	.8	.8	196.8	209.8	(Z)	(Z)
FL	5.2	4.6	111.9	117.0	(Z)	(Z)
GA	16.5	16.1	697.4	733.4	2.4	2.4
IL	2.0	2.1	(Z)	(Z)	.3	.7
IN	16.6	15.8	(D)	(D)	9.4	13.0
IA	4.5	5.0	2.7	2.6	7.0	8.5
KY	1.3	1.3	3.0	2.9	(Z)	(Z)
LA	1.2	1.1	(D)	(D)	(Z)	(Z)
ME	4.7	3.8	(D)	(D)	(Z)	(Z)
MD	2.6	2.7	263.9	264.2	(D)	(D)
MA	1.2	1.1	(Z)	(Z)	.1	.1
MI	5.3	4.4	.6	.7	2.7	[illegible]
MN	7.7	7.7	29.7	31.7	34.2	[illegible]
MS	7.8	8.1	335.7	343.4	(Z)	[illegible]
MO	4.0	5.0	(D)	(D)	13.5	[illegible]
NY	5.6	6.5	2.0	2.1	.3	[illegible]
NC	11.8	11.8	450.5	477.7	39.1	[illegible]
OH	11.9	11.2	9.9	11.0	3.1	[illegible]
OK	3.1	3.0	79.5	90.6	(D)	[illegible]
OR	1.5	1.9	15.8	17.0	1.5	[illegible]
PA	15.9	15.9	101.9	115.6	7.8	[illegible]
SC	4.5	4.3	63.8	68.1	3.9	[illegible]
TN	1.9	1.7	82.5	92.5	(Z)	[illegible]
TX	10.3	10.9	238.6	250.0	(D)	[illegible]
VA	2.6	2.7	154.2	154.0	14.3	[illegible]
WA	3.4	3.6	25.1	26.2	(Z)	[illegible]
WV	.4	.4	29.0	32.8	2.2	[illegible]
WI	2.2	2.1	11.6	13.2	6.1	[illegible]
Other[1]	10.7	11.1	161.0	205.3	20.9	[illegible]

D Withheld to avoid disclosure. Z Less than 500,000 broilers or 50,000 turkeys. [1] Derived by subtracting printed estimates from U.S. total.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Layers and Egg Production—Annual; Poultry—Production, Disposition, and Income;* and *Turkeys.*

No. 1139. EGG PRODUCTION, SUPPLY, AND USE: 1983 TO 1987

[**In millions of dozens, except as indicated**]

YEAR	PRODUCTION[1]			SUPPLY			USE			
	Number produced	Price per dozen (cents)	Production value (mil. dol.)	Total[2]	Production	Imports	Total	Consumption	Hatching use	Exports[3]
1983	5,681	61.1	3,469	5,703	5,659	23	5,694	5,061	500	[illegible]
1984	5,686	72.3	4,110	5,750	5,706	32	5,739	5,123	530	[illegible]
1985	5,701	57.1	3,253	5,712	5,688	13	5,701	5,052	548	[illegible]
1986	5,700	61.6	3,510	5,729	5,705	14	5,719	5,023	567	[illegible]
1987	5,791	54.9	3,177	5,812	5,797	6	5,799	5,067	595	[illegible]

[1] For year ending November 30. [2] Includes beginning stocks, not shown separately. [3] Includes shipments to territories.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Layers and Egg Production—Annual;* and Economic Research Service, *Agricultural Outlook*, monthly.

Section 24

Forests and Fisheries

This section presents data on the area, ownership, and timber resource of commercial timberland; forestry statistics covering the National Forests and Forest Service cooperative programs; product data for lumber, pulpwood, woodpulp, paper and paperboard, and similar data. In addition, data are presented on commercial fishing and the fish processing industry.

The principal sources of data relating to forests and forest products are: *An Analysis of the Timber Situation in the United States, 1952-2030, Appendix 3; U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-87;* and *Land Areas of the National Forest System*, issued annually by the Forest Service of the Department of Agriculture; *Agricultural Statistics* issued by the Department of Agriculture; and reports of the census of manufactures (taken every five years) and the annual *Current Industrial Reports*, issued by the Bureau of the Census. Additional information is published in the monthly *Survey of Current Business* of the Bureau of Economic Analysis; and the annual *Wood Pulp and Fiber Statistics* and *The Statistics of Paper, Paperboard, and Wood Pulp* of the American Paper Institute, New York, NY.

The Bureau of the Census also collects data on foreign trade of forest products. The Bureau of Labor Statistics publishes monthly and annual statistics of producer prices for lumber.

The completeness and reliability of statistics on forests and forest products vary considerably. The data for forest land area and stand volumes are much more reliable for areas which have been recently surveyed than for those for which only estimates are available. In general, more data are available for lumber and other manufactured products such as veneer and plywood, etc., than for the primary forest products such as poles and piling and fuelwood.

The principal sources of data relating to fisheries are *Fishery Statistics of the United States*, and *Fisheries of the United States*, both issued annually by the National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA).

The NMFS collects and disseminates data on commercial landings of fish and shellfish, freezings and holdings of fishery products, fish meal and oil production, and foreign trade in fishery products. Quarterly data are published on U.S. output of fish sticks, fish portions, and breaded shrimp. Annual reports include quantity and value of commercial landings of fish and shellfish (by species, region, State, and type of fishing gear), disposition of landings, number of fishermen, and number and kinds of fishing vessels and fishing gear. Reports for the fish-processing industry include annual output of canned, packaged, and industrial products and, for the wholesaling and fish processing establishments, annual and seasonal employment, and number of firms, by product and State.

The Magnuson Fishery Conservation and Management Act of 1976 (Magnuson Act), Public Law 94-265 as amended, provides for the conservation and management of all fishery resources within the U.S. Exclusive Economic Zone (EEZ), except highly migratory species of tuna, and gives the Federal Government exclusive authority over domestic and foreign fisheries within 200 nautical miles of U.S. shores and over certain living marine resources beyond the EEZ. Within the EEZ, the total allowable level of foreign fishing, if any, is that portion of the "optimum yield" not harvested by U.S. vessels. Adjustments in the "optimum yield" level may occur periodically. For details, see *Fisheries of the United States, 1986*. The NMFS collects and disseminates data on catches by foreign fishing vessels in the EEZ.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 1140. NATIONAL FOREST LANDS AND PURCHASES: 1960 TO 1987

[Area as of **June 30** except, beginning **1980**, as of **Sept. 30**; purchases for years ending **June 30**, except as noted. Includ Puerto Rico. Prior to Oct. 1976, lands to be purchased under the Weeks Law and related acts were approved by the Nationa Forest Reservation Commission which also set prices on such lands. With the passage of the National Forest Management Ac all functions of the Commission were transferred to the Secretary of Agriculture. Actual purchases are made by U.S. Departmen of Agriculture. See also *Historical Statistics, Colonial Times to 1970*, series L 10-14]

ITEM	Unit	1960	1965	1970	1975	1980	1983	1984	1985	1986	1987
Gross area [1]	Mil. acres	227	226	226	226	226	230	230	230	230	[illegible]
National Forest System	Mil. acres	186	187	187	188	187	191	191	191	191	[illegible]
Approved for purchase	1,000 acres	8	29	92	12	42	7	8	16	20	[illegible]
Average price per acre	Dollars	15	47	125	275	664	332	544	431	308	[illegible]
Total price	Mil. dol	.1	1.3	11.5	3.3	27.9	2.4	4.2	6.9	7.0	[illegible]
Purchases completed	1,000 acres	8	33	113	34	27	31	35	7	33	[illegible]
Average price per acre	Dollars	31	39	96	267	617	330	407	653	295	[illegible]
Total price	Mil. dol	.2	1.3	10.9	9.1	17.1	10.0	14.0	4.2	9.8	[illegible]
Gross area of purchase units	Mil. acres	56	56	56	56	56	58	58	58	58	[illegible]
Purchase completed, net area [2]	Mil. acres	19	19	20	20	20	20	20	20	20	[illegible]
Average price per acre	Dollars	4	4	6	9	12	15	15	15	16	[illegible]
Total price	Mil. dol	75	79	125	179	250	294	298	305	314	[illegible]

[1] Comprises all publicly and privately owned land within authorized boundaries of national forests, purchase units, nationa grasslands, and land utilization projects (research and experimental areas, and other areas). [2] Cumulative total. Under th March 1, 1911 Act of Congress (Weeks Law), as amended, and related acts.

Source: U.S. National Forest Reservation Commission, *Final Report to October 1976*; and U.S. Forest Service, *Land Areas o the National Forest System*, annual, and unpublished data.

NO. 1141. NATIONAL FOREST SYSTEM—SUMMARY: 1970 TO 1987

[**For fiscal years ending in year shown**; see text, section 9. Includes Alaska and Puerto Rico, except as noted. See *Historica Statistics, Colonial Times to 1970*, series J 33-34, for similar but not comparable grazing data, and L 15-31]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Timber cut, total value	Mil. dol	308.6	368.4	736.6	728.9	348.7	655.9	763.9	724.5	789.9	[illegible]
Commercial and cost sales: [1]											
Volume	Mil. bd. ft.	11,527	9,174	9,178	8,036	6,747	9,244	10,549	10,941	11,786	[illegible]
Value	Mil. dol	307.6	366.0	729.8	720.9	339.2	649.7	759.6	720.6	786.9	[illegible]
Free use:											
Volume	Mil. bd. ft.	179	618	2,070	2,107	2,343	1,071	570	399	308	[illegible]
Value [2]	Mil. dol	.3	1.1	5.7	6.4	7.5	4.5	2.6	2.2	1.4	[illegible]
Misc. forest products:											
Value	Mil. dol	.7	1.4	1.1	1.6	2.0	1.7	1.7	1.7	1.6	[illegible]
Livestock grazing: [3]											
Cattle and horses [4]	1,000	1,607	1,626	1,521	1,535	1,562	1,609	1,521	1,565	1,491	[illegible]
Sheep and goats	1,000	2,105	1,549	1,328	1,341	1,340	1,242	1,129	1,183	1,199	[illegible]
Roads and trails:											
Road construction [5]	Miles	942	136	925	1,217	1,867	2,016	1,667	1,903	1,252	[illegible]
Trail construction [5 6]	Miles	278	298	2,419	727	782	959	874	987	1,002	[illegible]
Receipts, total	Mil. dol	299.7	373.1	702.9	680.7	350.2	495.3	637.3	635.9	831.7	[illegible]
Timber use	Mil. dol	283.9	341.3	625.4	581.4	251.0	398.5	544.3	514.6	745.1	[illegible]
Grazing use	Mil. dol	4.4	7.7	15.8	14.9	12.4	10.2	9.6	9.0	8.6	[illegible]
Special land use, etc	Mil. dol	11.4	24.1	61.6	84.4	86.8	86.6	83.5	112.3	78.0	[illegible]
Payments to local govt [7]	Mil. dol	72.8	91.0	240.1	243.0	144.3	203.5	235.3	229.0	270.9	[illegible]
25-percent fund [8]	Mil. dol	71.9	89.8	233.6	230.5	132.6	192.7	224.9	212.2	262.1	[illegible]
Other [9]	Mil. dol	.9	1.2	6.5	12.5	11.7	10.8	10.4	16.8	8.8	[illegible]
Allotments to Forest Service, total [10]	Mil. dol	29.5	39.5	73.1	68.2	35.2	49.0	62.3	60.0	82.1	[illegible]
Roads and trails	Mil. dol	28.8	35.9	65.5	60.9	29.4	44.5	58.0	55.5	78.0	[illegible]
Other	Mil. dol	.8	3.6	7.6	7.3	5.8	4.5	4.3	4.5	4.1	[illegible]

[1] Includes land exchanges. [2] Includes some free use timber not reducible to board feet. [3] For 1970, data for livesto permitted to graze; 1975 for authorized use; 1980-1987 for number actually grazed. Calendar-year data, prior to 1980. Exclude Puerto Rico. [4] Excludes animals under 6 months of age. 1970 includes swine. Includes burros beginning in 1980. [5] Include reconstruction. [6] Beginning 1980, includes work accomplished by Human Resource Programs and volunteers. [7] Payment made in following year. [8] Includes Tongass Alaska suspense account. [9] Includes Arizona and New Mexico School Fun State of Minnesota, and receipts paid to counties under Bankhead-Jones Farm Tenant Act. [10] For use in following yea

Source: U.S. Forest Service. In *Agricultural Statistics*, annual, and unpublished data.

No. 1142. National Forest Lands—States and Other Areas: 1987

[In thousands of acres. As of Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series L 10-11]

STATE	Gross area within unit boundaries [1]	National forest system lands	Other lands within unit boundaries
Total	**230,220**	**190,830**	**39,390**
AL	1,274	649	625
AK	24,228	22,750	1,477
AZ	11,933	11,276	657
AR	3,502	2,484	1,019
CA	24,384	20,524	3,860
CO	16,030	14,458	1,572
CT	(Z)	(Z)	-
FL	1,224	1,100	125
GA	1,855	867	988
HI	(Z)	(Z)	-
ID	21,705	20,455	1,250
IL	840	263	576
IN	644	188	456
KS	117	108	9
KY	2,102	665	1,436
LA	1,023	600	422
ME	94	53	40
MI	4,872	2,802	2,070
MN	5,467	2,806	2,661
MS	2,310	1,148	1,162
MO	3,082	1,473	1,609
MT	19,097	16,796	2,301
NE	442	352	90
NV	5,364	5,103	261
NH	823	715	109
NM	10,384	9,326	1,058
NY	13	13	-
NC	3,165	1,220	1,946
ND	1,106	1,106	(Z)
OH	833	179	654
OK	461	296	166
OR	17,488	15,621	1,867
PA	743	511	232
SC	1,376	608	769
SD	2,348	1,997	351
TN	1,212	626	586
TX	1,994	753	1,242
UT	9,128	8,040	1,087
VT	630	326	304
VA	3,226	1,638	1,588
WA	10,044	9,144	900
WV	1,861	1,003	858
WI	2,023	1,507	516
WY	9,717	9,255	463
PR	56	28	28
VI	(Z)	(Z)	-

- Represents zero. Z Less than 500 acres. [1] See footnote 1, table 1140.

Source: U.S. Forest Service, *Land Areas of the National Forest System*, annual.

No. 1143. Forest Land—Total and Timberland Area, Volume of Sawtimber, and Growing Stock: 1952 to 1987

[As of Jan. 1. For composition of regions, see table 1144]

YEAR AND REGION	Total forest land (mil. acres)	TIMBERLAND, OWNERSHIP [1]					SAWTIMBER, NET VOLUME [3]		GROWING STOCK, NET VOLUME [4]	
		All owner-ships (mil. acres)	Federally owned or managed [2] (mil. acres)	State, county, and municipal (mil acres)	Private		Total (bil. bd. ft.)	Softwood (bil. bd. ft.)	Total (bil. cu. ft.)	Softwood (bil. cu. ft.)
					Total (mil acres)	Percent of total				
United States, 1952	**664**	**509**	**125**	**27**	**356**	**70.0**	**2,520**	**2,089**	**610**	**430**
North	209	158	13	18	127	80.0	231	62	106	28
South	197	205	15	3	187	91.4	411	198	143	59
West	258	146	97	6	42	29.1	1,878	1,829	361	343
United States, 1962	**759**	**515**	**125**	**27**	**363**	**70.4**	**2,558**	**2,062**	**659**	**448**
North	178	160	13	18	130	80.9	268	74	131	35
South	220	209	15	3	191	91.4	494	250	168	73
West	360	146	97	6	42	28.9	1,795	1,738	361	340
United States, 1970	**754**	**504**	**122**	**29**	**354**	**70.2**	**2,587**	**2,035**	**694**	**458**
North	186	158	13	18	127	80.5	305	87	148	40
South	212	203	15	3	185	90.9	569	302	191	87
West	355	143	94	7	42	29.2	1,713	1,646	355	331
United States, 1977	**737**	**491**	**113**	**31**	**347**	**70.6**	**2,635**	**2,021**	**725**	**465**
North	178	157	12	19	126	80.4	350	102	166	46
South	207	198	15	3	180	90.6	648	345	215	99
West	352	136	85	9	41	30.1	1,637	1,574	344	320
United States, 1987, prel	**728**	**483**	**102**	**34**	**347**	**71.8**	**2,823**	**2,026**	**755**	**450**
North	170	158	13	19	126	79.7	471	133	190	49
South	200	195	16	4	176	89.9	757	380	238	104
West	358	129	73	11	45	35.0	1,595	1,513	326	297

[1] Timberland is forest land that is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. [2] Includes Indian lands. [3] Live trees of commercial species containing at least one 12-foot sawlog or two noncontiguous 8-foot logs, and meeting regional specifications for freedom from defect. Softwood trees must be at least 9.0-inches diameter, and hardwood trees must be at least 11.0-inches diameter at 4½ feet above ground. [4] Live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground.

Source: U.S. Forest Service, *Past, Present, and Future Trends in U.S. Timber Sector: 1952-2040*, forthcoming.

NO. 1144. FOREST LAND—TOTAL AND TIMBERLAND AREA, VOLUME OF SAWTIMBER, AND GROWING STOCK, BY STATE: 1987

[As of **January 1**. Preliminary]

STATE	Total forest land (1,000 acres)	TIMBERLAND, OWNERSHIP [1] (1,000 acres)				SAWTIMBER NET VOLUME [3]		GROWING STOCK NET VOLUME [4]	
		Total	Federally owned or managed [2]	State, county, municipal	Private	Total (mil. bd. ft.)	Softwood (mil. bd. ft.)	Total (mil. cu. ft.)	Softwood (mil. cu. ft.)
U.S	**727,921**	**483,072**	**102,295**	**33,722**	**347,055**	**2,823,246**	**2,025,957**	**754,916**	**449,57**
North	**169,790**	**158,304**	**12,966**	**19,246**	**126,092**	**471,011**	**132,535**	**190,418**	**49,31**
Northeast	**85,251**	**80,103**	**3,058**	**6 712**	**70,333**	**252,182**	**80,474**	**109,135**	**31,3**
CT	1,815	1,777	16	230	1,531	7,603	1,464	2,708	41
DE	398	388	-	14	374	1,774	523	641	17
ME	17,713	17,174	194	419	16,561	46,846	32,859	22,447	14,50
MD	2,632	2,462	22	258	2,182	13,410	2,250	4,490	80
MA	3,097	3,010	40	434	2,536	11,595	5,718	4,728	1,5
NH	5,021	4,803	536	252	4,015	17,749	9,481	7,880	3,40
NJ	1,985	1,914	246	287	1,381	3,977	1,236	1,895	56
NY	18,775	15,798	123	1,092	14,583	49,412	14,017	20,088	4,9
PA	16,997	16,186	553	2,992	12,641	52,231	4,868	21,748	1,78
RI	399	368	7	75	286	916	187	428	5
VT	4,479	4,424	251	400	3,764	13,845	5,117	6,243	2,01
WV	11,942	11,799	1,070	250	10,479	32,825	2,755	15,837	1,06
North Central	**80,310**	**74,672**	**8,832**	**12,385**	**53,455**	**207,090**	**45,255**	**77,902**	**16,8**
IL	4,265	4,030	292	97	3,641	17,496	338	4,834	11
IN	4,439	4,296	329	206	3,761	19,217	617	5,215	2
IA	1,562	1,460	43	59	1,358	4,283	19	1,251	7
MI	18,220	17,364	2,542	3,768	11,054	52,491	18,442	20,972	6,55
MN	16,583	13,572	2,291	4,988	6,293	30,997	11,196	13,731	4,0
MO	12,523	11,995	1,390	267	10,338	21,310	2,073	7,935	60
OH	7,397	7,229	171	252	6,806	22,358	976	7,552	32
WI	15,319	14,726	1,774	2,748	10,204	38,938	11,594	16,412	4,11
Great Plains	**4,229**	**3,529**	**1,076**	**149**	**2,304**	**11,739**	**6,806**	**3,381**	**1,91**
KS	1,358	1,207	41	9	1,157	2,989	14	853	[illegible]
NE	722	537	38	26	473	1,943	759	489	17
ND	460	338	43	24	271	577	7	243	3
SD	1,690	1,447	954	90	403	6,231	6,027	1,796	1,72
South	**199,943**	**195,384**	**16,017**	**3,666**	**175,701**	**757,164**	**380,137**	**238,034**	**183,7**
Southeast	**87,744**	**84,594**	**7,043**	**1,729**	**75,822**	**352,542**	**169,087**	**114,167**	**50,8**
FL	16,721	15,238	1,583	583	13,072	40,532	25,677	13,835	8,7
GA	23,907	23,384	1,421	188	21,775	92,311	52,894	30,694	16,0
NC	18,891	18,358	1,418	412	16,528	91,881	38,950	28,952	11,24
SC	12,257	12,179	914	260	11,005	60,781	34,080	17,732	8,8
VA	15,968	15,435	1,707	286	13,442	67,037	17,486	22,954	5,8
South Central	**112,199**	**110,790**	**8,974**	**1,937**	**99,879**	**404,622**	**211,050**	**123,867**	**52,9**
AL	21,725	21,659	951	210	20,498	64,513	39,787	21,810	11,32
AR	16,987	16,673	2,659	352	13,662	64,508	35,701	19,242	6,5
KY	12,256	11,909	856	34	11,019	34,145	2,463	14,610	1,11
LA	13,883	13,872	833	498	12,541	70,735	45,445	18,992	10,55
MS	16,693	16,674	1,493	232	14,949	68,567	38,426	19,815	9,74
OK	4,838	4,749	510	122	4,117	6,688	3,680	2,219	9
TN	13,258	12,840	958	402	11,480	43,456	8,661	14,292	2,71
TX	12,559	12,414	714	87	11,613	52,008	36,886	12,887	7,8
West	**358,189**	**129,384**	**73,312**	**10,810**	**45,262**	**1,595,071**	**1,513,285**	**326,464**	**296,8**
Pacific Northwest	**178,956**	**54,361**	**23,801**	**7,821**	**22,739**	**882,711**	**837,189**	**167,810**	**152,16**
AK	129,045	15,763	4,958	4,642	6,163	176,144	168,317	41,260	37,05
OR	28,055	21,749	12,441	929	8,379	372,612	358,212	64,930	60,09
WA	21,856	16,849	6,402	2,250	8,197	333,954	310,659	61,620	55,01
Pacific Southwest	**41,129**	**17,412**	**9,150**	**445**	**7,817**	**313,162**	**289,192**	**54,051**	**46,31**
CA	39,381	16,712	9,150	107	7,455	311,966	289,174	53,771	46,30
HI	1,748	700	-	338	362	1,196	18	280	4
Rocky Mountains	**138,104**	**57,611**	**40,361**	**2,544**	**14,706**	**399,198**	**386,904**	**104,603**	**98,3**
AZ	19,384	3,789	3,734	12	43	30,379	29,102	6,316	5,9
CO	21,338	11,740	8,194	320	3,226	67,112	61,652	19,449	16,22
ID	21,818	14,534	10,346	1,087	3,099	140,566	139,582	32,592	32,0
MT	21,910	14,737	9,364	640	4,733	92,962	91,678	28,016	27,61
NV	6,928	221	106	3	112	2,097	2,059	419	39
NM	18,526	5,180	3,474	112	1,594	25,135	23,843	6,124	5,62
UT	16,234	3,078	2,344	167	567	16,073	14,631	4,795	3,01
WY	9,986	4,332	2,797	203	1,332	24,674	24,357	6,892	6,55

- Represents zero. [1] Timberland is forest land that is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulations. Areas qualifying as timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. [2] Includes Indian lands. [3] Live trees of commercial species containing at least one 12-foot sawlog or two noncontiguous 8-foot logs, and meeting regional specifications for freedom from defect. Softwood trees must be at least 9.0-inches diameter, and hardwood trees must be at least 11.0 diameter at 4½ feet above ground. [4] Live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground.

Source: U.S Forest Service, *Past, Present, and Future Trends in U.S. Timber Sector: 1952-2040*, forthcoming.

No. 1145. TIMBER-BASED INDUSTRIES—EMPLOYMENT AND AVERAGE HOURLY EARNINGS: 1970 TO 1987

[Data for production workers. See also *Historical Statistics, Colonial Times to 1970*, series L 212-223]

SIC[1] code	ITEM	EMPLOYEES (1,000)						EARNINGS (dollars)					
		1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1986	1987
24	Lumber and wood products[2]	554	517	578	584	597	619	2.96	4.26	6.55	8.22	8.34	8.40
241	Logging camps and contractors	(NA)	59	71	67	71	71	(NA)	5.28	8.64	10.92	10.82	10.69
242	Sawmills and planing mills	196	180	190	172	171	177	2.84	4.34	6.70	8.52	8.58	8.57
243	Millwork, plywood, and structural members	(NA)	137	164	190	202	215	(NA)	4.26	6.41	8.06	8.20	8.33
26	Paper and allied products	543	480	523	512	511	516	3.44	5.01	7.84	10.83	11.18	11.43
25	Furniture and fixtures	362	337	376	394	398	415	2.77	3.78	5.49	7.17	7.46	7.67

NA Not available. [1] Standard Industrial Classification; see text, section 27. [2] Includes other industries, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 1146. TIMBER PRODUCTS—PRODUCTION, FOREIGN TRADE, AND CONSUMPTION, BY TYPE OF PRODUCT: 1960 TO 1986

[**In millions of cubic feet, roundwood equivalent.** See also *Historical Statistics, Colonial Times to 1970*, series L 72-86]

ITEM	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986, prel.
Industrial roundwood:										
Domestic production[1]	8,920	11,105	10,575	12,090	11,090	10,825	12,010	12,685	12,450	13,715
Softwoods	6,930	8,635	8,380	9,280	8,485	8,410	9,275	9,790	9,680	10,470
Hardwoods	1,995	2,470	2,195	2,810	2,605	2,410	2,735	2,895	2,770	3,240
Imports	1,680	2,430	2,215	3,250	3,165	3,015	3,710	4,165	4,340	4,360
Exports	455	1,540	1,685	2,350	2,090	1,995	2,110	2,060	2,070	2,305
Consumption[2]	10,145	11,995	11,105	12,995	12,160	11,840	13,610	14,790	14,720	15,770
Softwoods	8,065	9,425	8,875	10,335	9,655	9,540	10,960	11,965	11,955	12,600
Hardwoods	2,080	2,565	2,230	2,660	2,510	2,300	2,650	2,825	2,770	3,170
Lumber:										
Domestic production	[3]5,080	5,215	4,890	5,300	4,780	4,635	5,370	5,770	5,665	6,485
Imports	610	955	930	1,540	1,490	1,460	1,915	2,130	2,345	2,285
Exports	135	195	255	395	380	320	360	340	305	385
Consumption	5,560	5,970	5,565	6,450	5,885	5,780	6,925	7,560	7,700	8,385
Plywood and veneer:										
Domestic production	705	1,020	1,165	1,175	1,180	1,135	1,365	1,400	1,420	1,470
Imports	60	170	170	120	140	115	160	145	165	185
Exports	(Z)	15	70	45	70	50	65	45	40	65
Consumption	765	1,170	1,265	1,250	1,250	1,200	1,460	1,500	1,550	1,585
Pulp products:										
Domestic production	2,575	3,835	3,485	4,390	4,125	3,980	4,165	4,355	4,165	4,545
Imports	985	1,280	1,105	1,565	1,515	1,415	1,605	1,860	1,810	1,880
Exports	275	720	715	1,070	995	900	965	930	920	1,085
Consumption	3,290	4,400	3,875	4,885	4,645	4,495	4,805	5,290	5,055	5,340
Logs:										
Imports	20	25	15	25	20	20	30	30	20	15
Exports	45	465	455	560	425	550	565	600	655	620
Pulpwood chips, exports	-	145	195	275	220	175	155	145	145	150
Other industrial prod.[4] consumption	510	425	385	390	380	345	390	410	400	440
Fuelwood consumption	**1,300**	**540**	**570**	**3,190**	**3,225**	**3,480**	**3,425**	**3,920**	**4,080**	**4,105**

- Represents zero. Z Less than 500,000 cubic feet. [1] Includes log exports. [2] Includes log imports. [3] Excludes Alaska and Hawaii. [4] Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, etc.

No. 1147. TIMBER PRODUCTS—PER CAPITA CONSUMPTION: 1960 TO 1986

[Based on total population estimated as of July 1. See also *Historical Statistics, Colonial Times to 1970*, series L 87-97]

PRODUCT	Unit	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986, prel.
All products	**Cu. ft**	**63.3**	**61.1**	**54.1**	**71.0**	**66.9**	**65.9**	**72.6**	**78.9**	**78.6**	**82.3**
Industrial roundwood	Cu. ft	56.1	58.5	51.4	57.0	52.8	50.9	58.0	62.4	61.5	65.3
Lumber	Cu. ft	30.8	29.1	25.8	28.3	25.6	24.9	29.5	31.9	32.2	34.7
Plywood and veneer	Cu. ft	4.2	5.7	5.9	5.5	5.4	5.2	6.2	6.3	6.5	6.6
Pulp products	Cu. ft	18.2	21.4	17.9	21.4	20.2	19.3	20.5	22.3	21.1	22.1
Other products	Cu. ft	2.8	2.1	1.8	1.7	1.6	1.5	1.7	1.7	1.7	1.8
Fuelwood	Cu. ft	7.2	2.6	2.6	14.0	14.0	15.0	14.6	16.5	17.0	17.0
Lumber	Bd. ft	199	193	171	186	169	161	190	205	207	223
Plywood and veneer	Bd. ft	25	34	32	30	29	28	34	34	35	36
Pulp products	Cords (128 cu. ft.)	2	3	2	3	3	2	3	3	3	3

Source of tables 1146 and 1147: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-86*, annual.

NO. 1148. SELECTED TIMBER PRODUCTS—PRODUCER PRICE INDEXES: 1980 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series L 206–210]

PRODUCT	Unit	1980	1985	1986	1987
Lumber and wood products, except furniture	Dec. 1984=100	(NA)	100.3	101.5	105.3
Logging camps and logging contractors	Dec. 1981=100	(NA)	94.8	93.1	108.3
Sawmills and planing mills	Dec. 1984=100	(NA)	99.7	100.7	108.7
Millwork, veneer, and plywood [1]	Dec. 1984=100	(NA)	99.9	101.7	105.4
Softwood plywood	Dec. 1980=100	91.4	90.0	91.5	92.8
Wood containers	June 1985=100	(NA)	-	100.4	101.3
Wood buildings and mobile homes	Dec. 1984=100	(NA)	100.6	102.1	108.6
Particleboard	Dec. 1982=100	91.6	110.0	111.8	120.3
Paper and allied products	Dec. 1984=100	(NA)	98.8	99.5	104.8
Pulp mills	Dec. 1984=100	105.5	100.9	103.1	117.0
Paper mill products except building paper	Dec. 1982=100	93.5	109.5	110.4	118.7
Paperboard mills	Dec. 1982=100	97.3	112.0	113.1	128.5
Converted paper and paperboard products [2]	Dec. 1984=100	(NA)	100.3	101.8	104.9
Paperboard containers and boxes	Dec. 1984=100	(NA)	98.4	97.3	104.2
Building paper and building board mills	Dec. 1985=100	(NA)	-	101.6	104.2

- Represents zero. NA Not available. [1] Includes structural wood members. [2] Excludes containers and boxes.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly.

NO. 1149. SELECTED SPECIES—STUMPAGE PRICES IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1987

[In **dollars per 1,000 board feet.** Stumpage prices are based on sales of sawtimber from National Forests. See also *Historical Statistics, Colonial Times to 1970*, series L 199–205]

SPECIES	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS												
Softwoods:												
Douglas-fir [1]	41.90	169.50	250.30	394.40	432.20	350.20	118.20	161.60	132.90	126.20	160.70	190.20
Southern pine [2]	44.10	57.00	134.50	155.20	155.40	172.00	127.20	140.60	139.40	90.70	103.60	135.70
Sugar pine [3]	38.50	99.20	159.60	365.00	666.60	225.20	71.90	137.70	84.30	109.70	169.60	296.90
Ponderosa pine [3] [4]	32.10	71.20	164.70	239.00	206.10	195.20	66.90	104.00	122.70	101.40	156.60	213.60
Western hemlock [5]	20.50	68.80	113.60	200.80	212.70	163.40	44.50	62.20	61.80	50.50	74.70	105.40
Hardwoods:												
All eastern hardwoods [6]	26.90	33.90	41.10	46.80	52.40	50.90	56.40	60.10	90.10	65.40	69.90	88.10
Oak, white, red, and black [6]	26.60	29.70	59.20	68.80	65.60	63.20	70.80	87.90	145.00	94.50	108.10	146.80
Maple, sugar [7]	(NA)	42.10	60.50	68.90	70.10	67.80	71.10	55.10	60.50	70.00	66.20	80.50
CONSTANT (1982) DOLLARS [8]												
Softwoods:												
Douglas-fir [1]	113.60	290.20	358.10	501.10	481.30	357.30	118.20	159.50	128.20	122.30	160.40	185.00
Southern pine [2]	119.50	97.60	192.40	197.20	173.10	175.50	127.20	138.80	134.40	87.90	103.40	132.00
Sugar pine [3]	104.30	169.90	228.30	463.80	742.30	229.80	71.90	135.90	81.30	106.30	169.30	288.80
Ponderosa pine [3] [4]	87.00	121.90	235.60	303.70	229.50	199.20	66.90	102.70	118.30	98.30	156.30	207.80
Western hemlock [5]	55.60	117.60	162.50	255.10	236.90	166.70	44.50	61.40	59.60	48.90	74.60	102.50
Hardwoods:												
All eastern hardwoods [6]	72.90	58.00	58.80	59.50	58.40	51.90	56.40	59.30	86.90	63.40	69.80	85.70
Oak, white, red, and black [6]	72.10	50.90	84.70	87.40	73.10	64.50	70.80	86.80	139.80	91.60	107.90	142.80
Maple, sugar [7]	(NA)	72.10	86.60	87.50	78.10	69.20	71.10	54.40	77.60	67.80	66.10	78.30

NA Not available. [1] Western Washington and western Oregon. [2] Southern region. [3] Pacific Southwest region (formerly California region). [4] Includes Jeffrey pine. [5] Pacific Northwest region. [6] Eastern and Southern regions. [7] Eastern region. [8] Deflated by the producer price index, all commodities.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950–86*, annual.

No. 1150. Lumber Production and Consumption, by Kind of Wood: 1960 to 1987

[**In millions of board feet, except as indicated.** 1960 excludes Alaska and Hawaii. Based on sample survey; see source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series L 98-112 and L 122-137]

ITEM	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total production	**32,926**	**34,668**	**32,619**	**35,354**	**31,672**	**30,010**	**34,572**	**37,065**	**36,445**	**41,999**	**44,893**
Softwoods [1] [2]	26,672	27,530	26,747	28,239	25,420	24,949	28,927	30,801	30,479	34,815	37,422
Cedar	(S)	633	821	722	757	470	744	752	759	860	920
Douglas fir	8,832	7,727	7,329	6,853	5,868	4,842	6,434	7,809	7,751	9,600	10,406
Hemlock	2,032	1,980	2,020	1,855	1,501	1,284	1,316	(NA)	(NA)	(NA)	(NA)
Ponderosa pine	3,169	3,429	3,544	3,269	2,894	2,350	2,869	3,679	3,773	3,967	4,123
Redwood	1,000	1,078	1,054	770	730	760	852	999	1,155	984	1,157
Southern yellow pine [2]	5,660	7,063	6,967	8,217	8,415	8,754	10,181	10,648	10,230	11,443	12,068
White fir	2,224	2,063	2,012	1,643	1,253	974	1,316	2,017	2,272	2,659	2,891
White pine	675	898	947	(S)	502	272	(NA)	(NA)	(NA)	(NA)	(NA)
Hardwoods [1] [2]	6,254	7,138	5,872	7,115	6,252	5,061	5,644	6,264	5,966	7,184	7,471
Ash	125	159	124	(S)	130	122	224	219	218	257	265
Beech	195	188	136	183	95	88	112	111	89	125	116
Cottonwood and aspen	206	229	253	303	155	105	197	133	216	247	239
Elm	195	155	117	149	77	57	(NA)	(NA)	(NA)	(NA)	(NA)
Maple	602	742	531	[3] 225	426	367	524	538	532	587	635
Oak	2,789	3,250	2,724	3,356	1,922	1,855	2,163	2,786	2,793	3,410	3,667
Sweet gum [4]	331	376	245	371	231	193	278	300	293	375	329
Tupelo and black gum	292	335	251	(S)	79	64					
Yellow poplar	532	606	555	661	409	399	475	589	544	724	800
Domestic consumption [5]	**35,225**	**38,073**	**36,100**	**40,104**	**37,919**	**36,273**	**45,138**	**48,693**	**50,077**	**54,828**	(NA)
Percent net imports [6]	8.7	12.7	12.2	18.7	19.0	20.2	22.1	24.0	26.0	26.6	(NA)
Softwoods	28,974	31,585	30,309	33,832	32,064	31,173	39,742	42,857	44,243	47,493	(NA)
Per capita (bd. ft.) [7]	164	155	141	149	140	134	170	181	185	197	(NA)
Mill stocks, yearend	5,285	4,340	4,063	4,228	4,167	4,270	4,606	4,594	4,765	4,905	(NA)
Exports	686	1,152	1,373	1,956	1,878	1,630	1,745	1,599	1,515	1,877	(NA)
Imports	3,631	5,769	5,711	9,540	9,205	9,119	11,947	13,270	14,608	14,238	(NA)
Hardwoods	6,252	6,488	5,791	6,272	5,855	5,098	5,397	5,836	5,834	7,334	(NA)
Per capita (bd. ft.) [7]	35	32	27	28	25	22	23	25	24	30	(NA)
Mill stocks, yearend	2,067	1,144	875	1,572	1,727	1,539	1,334	1,561	1,719	1,636	(NA)
Exports	173	138	165	379	406	356	478	467	397	498	(NA)
Imports	291	347	224	293	291	211	261	328	364	347	(NA)

NA Not available. S Figure does not meet publication standards. [1] Includes types not shown separately. [2] Beginning 1986, data not directly comparable to previous years due to inclusion of 200 sawmills in the survey for the first time; see source. [3] Excludes hard maple. [4] Red and sap. [5] Source: Through 1970, Copeland Economics Group, Inc., Stamford, CT; thereafter, National Forest Products Association, Washington, DC, *The Economics Monthly Bulletin*, quarterly edition (copyright). [6] Imports minus exports. [7] Based on estimated resident population as of July 1.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

No. 1151. Lumber Production, by Geographic Area: 1970 to 1987

[**In billion board feet.** Data based in part on a sample of sawmills and are subject to sampling variability; see source. For composition of divisions, see fig. I, inside front cover. See *Historical Statistics, Colonial Times to 1970*, series L 113-121, for data by regions]

SECTION AND DIVISION	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**34.7**	**32.6**	[1] **39.4**	[1] **40.5**	[1] **40.6**	[1] **35.4**	[1] **31.7**	**30.0**	**34.6**	**37.1**	**36.4**	**42.0**	**44.9**
North [2]	4.4	4.1	(NA)	(NA)	(NA)	(NA)	(NA)	3.8	4.3	4.5	4.2	4.9	(NA)
Hardwood	3.4	3.0	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	3.0	3.3	3.0	3.6	(NA)
Softwood	1.0	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	1.3	1.2	1.2	1.4	(NA)
South [2]	10.8	9.7	(NA)	(NA)	(NA)	(NA)	(NA)	10.8	12.7	13.4	13.0	15.1	(NA)
Hardwood	3.6	2.7	(NA)	(NA)	(NA)	(NA)	(NA)	2.0	2.4	2.8	2.7	3.4	(NA)
Softwood	7.2	7.0	(NA)	(NA)	(NA)	(NA)	(NA)	8.8	10.3	10.7	10.2	11.7	(NA)
West [2]	19.4	18.8	21.8	21.7	21.1	17.2	(NA)	15.4	17.6	19.1	19.3	22.0	(NA)
Hardwood	.1	.1	.2	.2	.2	.3	(NA)	.2	.2	.2	.2	.2	(NA)
Softwood	19.3	18.6	21.6	21.4	20.9	16.9	(NA)	15.1	17.4	19.0	19.1	21.7	(NA)
New England	.7	.8	.9	1.0	1.0	1.1	.7	1.0	1.2	1.1	1.1	1.2	1.3
Middle Atlantic	.8	.7	.9	.9	.9	.9	.5	.8	.8	.8	.7	.9	.9
East North Central	1.2	1.1	1.3	1.4	1.4	1.3	1.0	1.1	1.2	1.3	1.3	1.5	1.6
West North Central	.6	.5	.6	.7	.6	.6	.2	.3	.4	.4	.6	.7	.8
South Atlantic	5.2	4.7	5.3	5.4	5.8	5.2	4.4	5.4	6.5	6.7	6.4	7.4	7.7
East South Central	3.4	3.0	3.6	3.7	3.6	3.2	2.8	3.2	3.8	4.2	4.1	5.0	5.3
West South Central	3.2	3.0	3.5	3.6	3.2	2.9	2.3	2.8	3.1	3.3	3.1	3.4	3.7
Mountain	4.2	3.9	4.7	4.7	4.5	3.8	3.3	3.3	3.8	4.4	4.3	4.8	23.7
Pacific	15.3	14.8	17.1	17.0	16.6	13.4	11.2	12.2	13.6	14.8	14.8	17.0	

NA Not available. [1] Includes amounts not specified by division. [2] Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-86*, annual. Sections are as defined by the Forest Service, see table 1144.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

NO. 1152. WOOD PRODUCTS—PRODUCTION: 1970 TO 1987

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Hardwood flooring	Mil. bd. ft	333	155	292	315	275	365	400	416	487	[1] 560
Softwood plywood	Bil. sq. ft., ⅜" basis	14.1	15.1	15.5	15.5	15.1	18.3	18.9	19.3	19.9	[1] 21.0
Insulation boards [2]	1,000 short tons	1,219	1,249	1,051	845	593	713	785	735	732	[1] 688
Hardboard [2]	1,000 short tons	1,463	1,784	1,970	1,858	1,741	2,040	1,831	2,095	1,933	[1] 1,887
Particleboard	Mil. sq. ft., ¾" basis	1,731	2,503	2,950	2,869	2,393	3,009	3,196	3,331	3,603	3,706

[1] Estimated. [2] Beginning 1982, data are for shipments.

Source: U.S. Dept. of Commerce, International Trade Administration, *Forest Products Review*, monthly (discontinued April 1983); and unpublished data. Based on reports of U.S. Bureau of the Census and National Particleboard Association, Silver Spring, MD.

NO. 1153. PAPER AND PAPERBOARD—PRODUCTION AND CONSUMPTION: 1970 TO 1987

[**In millions of short tons.** See also *Historical Statistics, Colonial Times to 1970*, series L 172, L 174, and L 178-191]

ITEM	PRODUCTION						CONSUMPTION [1]					
	1970	1975	1980	1985	1986	1987	1970	1975	1980	1985	1986	1987
Total paper and paperboard	**51.7**	**51.0**	**63.5**	**68.8**	**72.7**	**76.2**	**56.0**	**54.1**	**67.1**	**76.3**	**79.9**	**83.8**
Paper: Newsprint	3.5	3.7	4.7	5.4	5.6	5.8	9.8	9.0	11.4	12.8	13.0	13.7
Coated printing, converting	3.2	3.2	4.6	5.9	6.3	6.9	3.2	3.0	4.6	6.3	6.7	7.4
Uncoated free sheet	5.1	5.3	8.0	9.7	10.4	11.0	5.1	5.3	8.0	10.0	10.8	11.3
Other printing, writing, etc	2.6	2.5	2.9	2.9	3.0	2.9	2.7	2.6	3.4	4.2	4.5	4.7
Packaging and industrial converting	5.3	4.6	5.5	5.2	5.1	5.3	5.1	4.3	5.2	5.1	5.1	5.1
Tissue and other machine creped	3.7	4.0	4.4	4.9	5.1	5.1	3.7	3.9	4.3	5.0	5.1	5.3
Paperboard: Unbleached kraft	11.5	11.5	15.3	16.4	17.7	18.9	9.9	10.5	13.0	14.6	15.5	16.7
Bleached kraft	3.3	3.3	3.8	3.9	4.2	4.4	3.3	3.1	3.3	3.4	3.8	4.0
Semichemical	3.5	3.7	4.7	5.1	5.4	5.6	3.4	3.6	4.4	5.0	5.3	5.5
Recycled finish	7.0	6.2	7.1	7.6	8.1	8.5	7.0	6.2	7.0	7.7	8.0	8.4
Construction paper and board [2]	**3.0**	**3.0**	**2.6**	[3] **1.8**	[3] **1.8**	[3] **1.8**	**3.0**	**3.0**	**3.0**	[3] **2.1**	[3] **2.0**	[3] **2.0**

[1] Total consumption of paper and paperboard includes net imports of paper and paperboard converted products; not available by grade. [2] Source: 1970-1980 U.S. Bureau of the Census, *Current Industrial Reports*. Includes wet machine board, approximately 100,000-160,000 tons per year. [3] Estimated.

Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual.

NO. 1154. NEWSPRINT—PRODUCTION, STOCKS, CONSUMPTION, IMPORTS, AND PRICE INDEX: 1960 TO 1987

[**In thousands of metric tons, except price index and imports (imports shown in short tons).** See also *Historical Statistics, Colonial Times to 1970*, series L 192-198]

COUNTRY AND ITEM	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Canada: Production	6,114	7,808	6,966	8,625	8,950	8,109	8,486	9,013	8,988	9,289	9,673
Shipments from mills	6,125	7,795	7,010	8,622	8,915	8,054	8,439	9,018	8,996	9,302	9,761
Stocks at mills, end of year	127	214	86	165	194	256	303	298	290	277	190
United States:											
Estimated consumption [1]	6,634	8,805	8,395	10,088	10,164	10,107	10,589	11,431	11,587	11,937	12,322
Production	1,849	3,142	3,348	4,239	4,752	4,574	4,688	5,025	4,924	5,107	5,300
Shipments from mills	1,842	3,136	3,347	4,234	4,735	4,526	4,674	5,065	4,927	5,115	5,310
Stocks, end of year: At mills	24	30	19	21	38	86	99	60	57	49	36
At and in transit to publishers	570	680	666	732	961	854	790	874	910	849	900
Imports [2]	5,412	6,635	5,847	7,280	6,978	6,531	6,919	7,899	8,472	8,589	8,976
Producer price index (1982=100)	30.4	34.1	58.3	[3] 88.5	[3] 97.5	100.0	95.9	102.3	105.3	103.3	112.3

[1] By all users. Based on American Paper Institute data. [2] Source: Reports of U.S. Bureau of the Census. Includes Puerto Rico and beginning 1981, Virgin Islands. [3] Average for 11 months.

Source: Except as noted, U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly. Data from American Paper Institute, Inc., New York, NY, and Canadian Pulp & Paper Association.

NO. 1155. WASTEPAPER UTILIZATION AND RECOVERY RATES: 1960 TO 1987

[**In millions of short tons, except percent.** Recovery rate is ratio of total wastepaper recovered to new supply. Wastepaper utilization is the ratio of wastepaper consumption at paper and board mills to paper and board production. See *Historical Statistics, Colonial Times to 1970*, series L 175, for U.S. wastepaper consumption]

ITEM	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Paper and board, production [1]	33.9	51.7	51.0	63.5	64.3	61.0	66.8	70.3	68.8	72.7	76.2
Wastepaper consumption	[2] 9.0	11.8	11.7	14.9	15.0	14.4	15.6	16.7	16.4	17.9	19.0
Wastepaper utilization rate (percent)	26.5	22.8	23.0	23.4	23.3	23.7	24.4	23.8	23.8	24.7	24.9
Other wastepaper uses [3]	.20	.42	.54	.47	.48	.49	.48	.46	.48	.49	.50
Wastepaper exports	.15	.41	.86	2.66	2.21	2.13	2.57	3.24	3.29	3.75	4.42
Total wastepaper recovered	9.3	12.6	13.1	18.0	17.7	17.0	18.6	20.3	20.0	22.1	23.8
Paper and board, new supply [4]	38.5	56.0	54.1	67.1	68.0	64.7	71.2	77.0	76.3	79.9	83.8
Recovery rate (percent)	24.2	22.4	24.2	26.8	26.0	26.2	26.1	26.4	26.3	27.7	28.4

[1] Excludes hard pressed board; includes construction paper and board, and wet machine board. [2] Source: U.S. Bureau of the Census, Report FT 446. [3] Estimated. [4] Excludes production of hard pressed board.

Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual, and unpublished data.

No. 1156. SELECTED WOOD PRODUCTS—PRODUCTION AND CONSUMPTION: 1970 TO 1987

[See also *Historical Statistics of the United States, Colonial Times to 1970*, series L 151-170]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987
PULPWOOD										
Receipts, total	Mil. cords [1]	68.9	65.4	81.0	77.3	83.4	88.0	85.4	90.6	94.5
Softwood	Mil. cords [1]	52.4	49.3	60.2	56.4	59.8	62.9	60.2	63.3	65.8
Hardwood	Mil. cords [1]	16.5	16.2	20.8	20.9	23.6	25.2	25.1	27.3	28.7
Consumption, total	Mil. cords [1]	67.6	65.4	79.7	77.6	83.5	87.0	84.8	91.1	92.9
Softwood	Mil. cords [1]	51.3	48.9	58.8	56.4	59.9	62.0	59.7	63.1	64.7
Hardwood	Mil. cords [1]	16.3	16.5	20.9	21.1	23.6	24.9	25.1	28.1	28.3
Inventories [2]	Mil. cords [1]	6.6	6.6	6.7	5.4	5.2	5.2	5.1	4.7	5.5
WOODPULP										
Production	Mil. short tons	43.9	43.1	53.0	51.0	54.1	57.8	57.7	60.6	62.4
Consumption,[3] total	Mil. short tons	43.2	42.4	52.4	50.2	54.0	57.5	56.6	60.0	61.5
Own pulp	Mil. short tons	38.9	38.5	46.6	44.6	47.7	50.3	49.7	52.6	53.9
Purchased pulp	Mil. short tons	4.3	3.9	5.9	5.6	6.3	7.2	7.0	7.5	7.6
PLYWOOD										
Softwood:										
Production	Mil. sq. ft.[4]	14,149	15,706	15,483	15,134	18,281	18,865	19,341	20,363	21,052
Consumption, total	Mil. sq. ft.[4]	(NA)	(NA)	15,145	14,741	17,737	18,526	19,122	19,880	20,469
Value	Mil. dol	949	(NA)	2,582	2,177	2,877	2,995	3,080	3,237	3,296
Hardwood:										
Production	Mil. sq. ft.[5]	1,904	1,280	1,311	1,163	1,248	1,185	1,016	1,088	1,173
Consumption, total	Mil. sq. ft.[5]	5,772	4,970	3,416	3,173	4,324	3,831	4,311	4,884	5,090
Value	Mil. dol	516	586	977	920	1,131	1,199	1,192	1,320	1,579

NA Not available. [1] Standard cords. 128 cubic feet roughwood bases. [2] As of Dec. 31. [3] In the manufacture of paper and board. [4] ⅜" basis. [5] Surface measure.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA26-A, MA24-H and MA24-F.

No. 1157. SELECTED TIMBER PRODUCTS—IMPORTS AND EXPORTS: 1970 TO 1987

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
IMPORTS [1]											
Lumber, total [2]	Mil. bd. ft	6,114	5,976	9,866	9,523	9,360	12,254	13,632	14,996	14,619	15,234
From Canada	Percent	96.0	96.0	97.5	97.5	98.2	98.3	97.9	97.6	97.5	96.9
Softwoods	Mil. bd. ft	5,778	5,724	9,573	9,232	9,150	11,993	13,304	14,632	14,272	14,723
Value	Mil. dol	434	717	1,826	1,763	1,624	2,569	2,681	2,898	2,969	3,060
Hardwoods	Mil. bd. ft	337	252	293	291	211	260	328	364	347	511
Value	Mil. dol	62	70	152	154	104	134	173	180	168	273
Logs, total	Mil. bd. ft.[3]	144	85	128	101	117	165	147	99	78	83
From Canada	Percent	79.6	93.9	97.4	98.3	98.6	97.9	97.4	81.8	77.9	91.6
Softwoods	Mil. bd. ft.[3]	107	69	114	88	99	142	117	71	52	69
Value	Mil. dol	9	12	17	17	23	24	15	17	7	19
Hardwoods	Mil. bd. ft.[3]	38	17	13	14	18	23	30	28	26	14
Value	Mil. dol	5	3	3	3	3	3	5	4	4	3
Paper and board [4]	1,000 tons	7,115	6,253	8,780	8,339	8,024	8,986	11,075	11,522	11,939	12,837
Value	Mil. dol	1,039	1,606	3,418	3,672	3,682	4,019	5,324	5,698	6,038	6,928
Woodpulp	1,000 tons	3,518	3,078	4,051	4,087	3,656	4,093	4,490	4,466	4,594	4,963
Value	Mil. dol	483	1,007	1,684	1,764	1,493	1,472	1,845	1,521	1,606	2,069
Plywood	Mil. sq. ft	4,171	3,913	2,477	3,047	2,270	3,393	3,056	3,609	3,941	4,094
Value	Mil. dol	208	260	409	465	331	451	438	463	519	638
EXPORTS											
Lumber, total [2]	Mil. bd. ft	1,243	1,618	2,494	2,406	2,021	2,270	2,150	1,945	2,427	3,257
To: Canada	Percent	21.7	34.0	25.3	30.3	20.7	29.3	25.8	23.7	22.0	20.7
Japan	Percent	30.8	31.9	26.0	21.8	31.1	27.8	28.0	32.1	36.4	37.6
Europe	Percent	24.1	15.1	23.8	16.6	20.3	20.2	16.0	15.1	16.6	16.7
Softwoods	Mil. bd. ft	1,115	1,405	2,007	1,928	1,635	1,756	1,624	1,518	1,878	2,464
Value	Mil. dol	163	346	789	664	582	609	541	497	644	856
Hardwoods	Mil. bd. ft	128	213	487	479	386	514	527	427	548	793
Value	Mil. dol	31	68	272	269	229	305	300	263	350	493
Logs, total	Mil. bd. ft.[3]	2,741	2,667	3,261	2,489	3,208	3,307	3,495	3,843	3,627	4,108
To: Canada	Percent	10.6	10.4	9.7	9.9	9.4	10.5	12.1	11.6	12.2	10.3
Japan	Percent	86.3	84.6	78.0	71.3	61.7	55.4	50.4	49.4	57.3	58.3
China: Mainland	Percent	(NA)	(NA)	2.7	8.9	17.1	21.9	24.8	27.8	17.0	14.1
Softwoods	Mil. bd. ft.[3]	2,672	2,601	3,109	2,377	3,115	3,196	3,369	3,732	3,488	3,959
Value	Mil. dol	320	681	1,452	1,003	1,174	1,068	1,079	1,169	1,129	1,526
Hardwoods	Mil. bd. ft.[3]	69	66	152	112	93	112	126	111	139	149
Value	Mil. dol	36	43	129	92	84	98	101	91	97	118
Paper and board [4]	1,000 tons	2,817	3,116	5,214	4,641	4,248	4,569	4,387	4,071	4,816	5,304
Value	Mil. dol	602	1,315	2,773	2,891	2,589	2,481	2,552	2,266	2,549	3,104
Woodpulp	1,000 tons	3,095	2,782	3,806	3,678	3,395	3,644	3,594	3,796	4,459	4,868
Value	Mil. dol	464	875	1,652	1,661	1,415	1,362	1,502	1,354	1,663	2,250
Plywood	Mil. sq. ft	183	871	420	741	493	615	407	365	656	855
Value	Mil. dol	16	141	108	178	117	143	94	86	145	194

NA Not available. [1] Customs value of imports; see text, section 29. [2] Includes railroad ties. [3] Log scale. [4] Includes paper and board products. Excludes hardboard.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics: 1950 to 1987.*

No. 1158. Fishery Products—Domestic Catch and Imports, Summary: 1970 to 1987

[**Live weight, in millions of pounds, except percent.** 1978–1987 preliminary. For data on commercial catch for selected countries, see table 1438, section 31. See *Historical Statistics, Colonial Times to 1970*, series L 224–226, for domestic catch]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**11,474**	**10,164**	**11,509**	**11,831**	**11,357**	**11,353**	**12,011**	**12,352**	**12,552**	**15,150**	**14,368**	**15,744**
For human food	6,213	6,394	8,135	8,251	8,006	8,267	7,968	8,413	8,498	9,337	9,620	10,561
Finfish	(NA)	4,848	6,263	6,324	6,139	6,316	6,090	6,358	6,303	6,991	7,087	7,919
Shellfish [1]	(NA)	1,546	1,872	1,927	1,867	1,951	1,878	2,055	2,195	2,346	2,533	2,642
For industrial use	5,261	3,770	3,374	3,580	3,351	3,086	4,043	3,939	4,054	5,813	4,748	5,183
Domestic catch	**4,917**	**4,877**	**6,028**	**6,267**	**6,482**	**5,977**	**6,367**	**6,439**	**6,438**	**6,258**	**6,031**	**6,896**
Percent of total	42.8	47.9	52.4	53.0	57.1	52.7	53.0	52.1	51.3	41.3	42.0	43.8
For human food	2,537	2,465	3,177	3,318	3,654	3,547	3,285	3,238	3,320	3,294	3,393	3,946
Finfish	(NA)	1,548	2,018	2,204	2,516	2,414	2,324	2,351	2,348	2,273	2,240	2,769
Shellfish [1]	(NA)	917	1,159	1,114	1,138	1,133	961	887	972	1,021	1,153	1,177
For industrial use	2,380	2,412	2,851	2,949	2,828	2,430	3,082	3,201	3,118	2,964	2,638	2,950
Imports [2]	**6,557**	**5,287**	**5,481**	**5,564**	**4,875**	**5,376**	**5,644**	**5,913**	**6,114**	**8,892**	**8,337**	**8,848**
Percent of total	57.2	52.1	47.6	47.0	42.9	47.3	47.0	47.9	48.7	58.7	58.0	56.2
For human food	3,676	3,929	4,958	4,933	4,352	4,720	4,683	5,175	5,178	6,043	6,227	6,615
Finfish	(NA)	3,300	4,245	4,120	3,623	3,902	3,766	4,007	3,955	4,718	4,847	5,150
Shellfish [1]	(NA)	629	713	813	729	818	917	1,168	1,223	1,325	1,380	1,465
For industrial use [3]	2,881	1,358	523	631	523	656	961	738	936	2,849	2,110	2,233

NA Not available. [1] For univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell, is reported. [2] Excludes imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. [3] Fish meal and sea herring.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

No. 1159. Fisheries—Employment, Fishing Craft, and Establishments: 1970 to 1986

[**In thousands.** As of **Dec. 31.** 1978–1986 preliminary. Data for employment and establishments exclude Alaska. See also *Historical Statistics, Colonial Times to 1970*, series L 254–261]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Persons employed in U.S	**227**	**260**	**267**	**280**	**257**	**267**	**296**	**303**	**314**	**333**	**340**	**351**	**347**
Fishermen	140	168	174	182	172	184	193	198	216	223	230	239	247
Shore workers [1]	87	92	93	98	85	83	103	105	98	110	110	112	100
Craft used	**88**	**103**	**103**	**107**	**104**	**103**	**113**	**115**	**123**	**127**	**127**	**130**	**128**
Vessels, 5 net tons and over	14	16	17	17	18	18	19	20	20	21	24	24	38
Motorboats	72	85	84	88	84	84	93	93	102	105	102	104	88
Other boats	2	2	2	2	2	1	1	2	1	1	1	2	2
Fishery shore establishments	**3.7**	**3.6**	**3.6**	**3.6**	**3.3**	**3.4**	**3.6**	**3.6**	**3.6**	**3.9**	**4.0**	**4.0**	**4.0**

[1] Seasonal average for processors and wholesaling plants.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

No. 1160. Fisheries—Quantity and Value of Domestic Catch: 1960 to 1987

[1978–1987 preliminary. See also *Historical Statistics, Colonial Times to 1970*, series L 224–226, L 229, and L 310]

YEAR	QUANTITY (mil. lb.[1])			Ex-vessel value (mil. dol.)	Average price per lb. (cents)
	Total	For human food	For industrial products [2]		
1960	4,942	2,498	2,444	354	7.2
1965	4,777	2,587	2,190	446	9.3
1970	4,917	2,537	2,380	613	12.5
1972	4,806	2,435	2,371	748	15.6
1973	4,858	2,398	2,460	937	19.3
1974	4,967	2,496	2,471	932	18.7
1975	4,877	2,465	2,412	977	20.0
1976	5,388	2,775	2,613	1,349	25.0
1977	5,271	2,952	2,319	1,554	29.5
1978	6,028	3,177	2,851	1,854	30.7
1979	6,267	3,318	2,949	2,234	35.6
1980	6,482	3,654	2,828	2,237	34.5
1981	5,977	3,547	2,430	2,388	40.0
1982	6,367	3,285	3,082	2,390	37.5
1983	6,439	3,238	3,201	2,355	36.6
1984	6,438	3,320	3,118	2,350	36.5
1985	6,258	3,294	2,964	2,326	37.2
1986	6,031	3,393	2,638	2,763	45.8
1987	6,896	3,946	2,950	3,115	45.2

[1] Live weight. [2] Meal, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1161. FISHERIES—QUANTITY AND VALUE OF CATCH, BY STATE, AND CATCH OF PRINCIPAL SPECIES, BY AREA: 1980 TO 1987

[**Catch in millions of pounds, live weight, except as indicated; value in millions of dollars.** Preliminary. See also *Historical Statistics, Colonial Times to 1970,* series L 262-293]

AREA, STATE, CATCH, AND VALUE	1980	1985	1986	1987
Total:				
Catch	6,482	6,258	6,031	6,896
Value	2,237	2,326	2,763	3,115
New England:				
Catch	788	590	563	545
Value	327	419	449	512
Maine:				
Catch	245	175	175	170
Value	93	101	108	132
New Hampshire:				
Catch	19	8	8	8
Value	5	5	6	8
Massachusetts:				
Catch	438	296	272	258
Value	178	232	244	279
Rhode Island:				
Catch	81	104	102	100
Value	46	70	75	77
Connecticut:				
Catch	5	7	7	9
Value	5	12	16	16
Catch for certain species:				
Clams	15	22	22	18
Cod	118	83	61	59
Crabs	7	8	6	6
Flounder	118	98	81	68
Haddock	55	14	11	7
Herring, sea	184	52	79	84
Lobster, American	36	44	43	43
Ocean perch, Atlantic	24	10	7	4
Pollock	40	43	54	45
Scallops, sea	17	10	12	18
Squid	6	15	19	18
Whiting	18	31	31	26
Middle Atlantic:				
Catch	244	151	156	163
Value	97	101	114	128
New York:				
Catch	39	39	43	41
Value	45	38	45	53
New Jersey:				
Catch	201	108	108	116
Value	50	61	67	73
Delaware:				
Catch	4	5	5	6
Value	2	2	2	2
Catch for certain species:				
Clams (meats)	40	73	77	68
Scup or porgy	8	2	6	6
Squid	3	8	12	20
Chesapeake Bay:				
Catch	717	815	617	791
Value	130	124	131	160
Maryland:				
Catch	80	92	89	81
Value	45	47	51	52
Virginia:				
Catch	637	723	528	710
Value	85	76	80	106
Catch for certain species:				
Alewives	1	1	1	2
Clams (meats)	36	47	41	44
Crabs	65	91	84	76
Oysters (meats)	21	8	11	9
Scallops, sea	6	3	4	7
South Atlantic:				
Catch	473	311	249	235
Value	148	156	155	150
North Carolina:				
Catch	356	215	169	157
Value	69	65	63	63
South Carolina:				
Catch	21	13	17	15
Value	20	14	25	22
South Atlantic—Con.				
Georgia:				
Catch	19	17	16	15
Value	20	21	25	20
Florida (east coast):				
Catch	77	66	47	48
Value	39	57	42	45
Catch for certain species:				
Crabs	55	48	40	47
Scallops, Calico	-	13	2	8
Shrimp	33	28	23	23
Gulf States:				
Catch	1,979	2,412	2,368	2,501
Value	463	597	781	720
Florida (west coast):				
Catch	115	117	119	124
Value	86	114	112	111
Alabama:				
Catch	25	30	37	24
Value	25	41	64	45
Mississippi:				
Catch	232	471	418	436
Value	25	40	46	48
Louisiana:				
Catch	1,412	1,693	1,677	1,804
Value	174	225	313	316
Texas:				
Catch	94	103	117	111
Value	153	177	246	200
Catch for certain species:				
Crabs	45	53	59	71
Mullet	31	17	18	26
Oysters (meats)	17	25	20	18
Shrimp	208	263	304	257
Great Lakes: [1]				
Catch	44	54	48	42
Value	14	15	14	17
Pacific Coast:				
Catch	2,140	1,816	1,922	2,493
Value	1,025	863	1,065	1,360
Washington:				
Catch	156	167	187	205
Value	86	93	111	150
Oregon:				
Catch	126	101	113	139
Value	56	46	62	95
California:				
Catch	804	363	386	452
Value	323	133	139	173
Alaska:				
Catch	1,054	1,185	1,236	1,697
Value	560	591	753	942
Catch for certain species:				
Anchovies	107	15	13	13
Bonito	14	5	1	11
Cod	20	120	104	171
Crabs	347	129	160	174
Flounder	60	68	64	106
Hake	12	16	26	39
Halibut	19	61	78	76
Herring, sea	107	142	131	123
Jack mackerel	44	21	24	27
Mackerel	65	75	85	94
Oysters	7	8	6	10
Pollock	3	93	130	552
Rockfish	106	82	92	118
Sablefish	22	63	85	103
Salmon	614	727	659	552
Shrimp	98	35	63	72
Tuna	387	64	77	69
Mississippi River and tributaries:				
Catch	85	92	96	110
Value	21	29	34	39
Hawaii:				
Catch	11	17	11	16
Tuna catch	7	11	5	10
Value	12	22	20	29

- Represents zero. [1] Collected largely by State fishery agencies, and compiled by National Marine Fisheries Service. Includes, in addition to the Great Lakes, small amounts for Lake St. Clair, Lake of the Woods, Namakan Lake, and Rainy Lake.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States,* annual; and *Fisheries of the United States,* annual.

No. 1162. Fisheries—Domestic Catch and Value by Selected Major U.S. Ports: 1983 to 1987

[See *Historical Statistics, Colonial Times to 1970*, series L 236-253, for data on quantity and value of catch]

PORT	CATCH (mil. lb.)					VALUE (mil. dol.)				
	1983	1984	1985	1986	1987	1983	1984	1985	1986	1987
Cameron, LA	743.9	679.2	673.6	616.8	672.4	39.5	38.2	29.9	34.8	31.9
Pascagoula-Moss Point, MS	380.2	425.3	423.2	365.5	391.6	23.2	25.0	18.4	20.4	20.3
Empire-Venice, LA	281.9	383.5	224.5	317.6	357.4	31.8	41.6	34.3	47.1	60.1
Dulac-Chauvin, LA	269.2	327.2	398.6	294.6	331.7	47.7	59.7	59.9	71.0	65.6
Intercoastal City, LA	(NA)	(NA)	(NA)	298.9	314.3	(NA)	(NA)	(NA)	11.3	13.4
Kodiak, AK	89.0	113.6	96.1	141.2	204.1	60.4	69.9	65.8	89.8	132.1
Los Angeles, CA	262.3	237.0	150.3	187.4	203.1	85.1	84.6	32.5	29.5	55.6
Dutch Harbor-Unalaska, AK	48.9	46.9	106.3	88.3	128.2	36.4	20.3	21.3	37.2	62.7
Gloucester, MA	150.9	179.1	116.5	110.0	93.0	38.0	37.1	37.1	37.8	34.0
Beaufort-Morehead City, NC	167.2	185.3	133.2	98.9	85.7	21.6	21.6	22.7	24.7	22.7
New Bedford, MA	111.8	99.5	90.6	65.8	78.7	109.2	107.7	103.2	106.0	[1] 143.7
Cordova, AK	(NA)	(NA)	(NA)	(NA)	69.6	(NA)	(NA)	(NA)	(NA)	41.9
Cape May-Wildwood, NJ	43.6	34.1	30.3	36.6	56.8	24.8	21.4	18.1	20.9	30.5
Bellingham, WA	23.9	34.0	38.8	45.9	47.5	8.6	14.9	16.6	28.8	27.4
Astoria, OR	28.5	23.1	25.5	36.8	46.6	11.2	9.2	9.5	16.4	24.6
Point Judith, RI	61.6	69.9	56.8	52.1	46.6	25.5	27.3	28.0	28.5	27.4
Portland, ME	53.9	37.0	36.1	34.9	43.8	16.0	14.5	17.2	22.4	35.8
Petersburg, AK	50.3	54.1	(NA)	85.2	42.4	19.3	24.9	(NA)	38.1	38.9
Port Hueneme-Oxnard-Ventura, CA	22.7	9.4	19.9	31.0	42.3	(NA)	(NA)	5.4	5.8	8.1
Rockland, ME	54.6	42.9	58.6	43.4	38.7	12.3	9.4	11.1	9.1	8.1

NA Not available. [1] Record.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

No. 1163. Domestic Fish and Shellfish Catch and Value, by Species: 1982 to 1987

SPECIES	QUANTITY (1,000 lb.)					VALUE ($1,000)			
	1982-87 5 year average	1984	1985	1986	1987	1984	1985	1986	1987
Total	(x)	**6,437,783**	**6,257,642**	**6,030,634**	**6,895,726**	**2,350,462**	**2,326,237**	**2,762,823**	**3,114,713**
Fish, total [1]	(x)	**5,456,194**	**5,214,363**	**4,870,763**	**5,708,215**	**1,188,612**	**1,193,427**	**1,319,134**	**1,629,041**
Anchovies	14,283	17,796	14,566	13,436	12,857	5,631	2,704	2,523	2,706
Bluefish	14,689	12,713	13,743	13,968	15,226	2,382	2,363	2,413	3,254
Butterfish	14,912	26,026	10,338	9,880	10,315	7,056	3,537	6,576	6,496
Cod: Atlantic	91,529	96,775	82,823	61,134	59,100	36,143	35,140	36,142	44,179
Pacific	104,040	115,608	120,275	104,443	170,611	20,966	18,556	11,337	31,443
Croaker	11,275	10,570	11,088	12,382	11,044	3,552	3,658	3,883	4,396
Flounders	307,997	219,995	195,718	169,050	199,711	124,259	129,121	124,586	145,080
Haddock	25,756	25,997	14,416	10,968	6,673	18,352	13,545	10,911	8,522
Halibut	53,030	47,903	61,032	77,691	76,107	25,435	38,376	82,925	88,254
Herring, sea; Atlantic	66,904	73,784	57,133	79,381	84,536	3,722	2,968	4,314	4,368
Herring, sea; Pacific	127,228	104,742	142,074	130,764	122,598	22,159	47,025	44,598	47,916
Jack mackerel	33,058	23,350	20,852	23,672	26,671	1,963	1,770	1,775	1,831
Mackerel, Pacific	77,867	93,406	75,453	85,444	93,755	7,612	6,324	6,408	6,433
Menhaden	2,750,142	2,891,076	2,739,401	2,391,363	2,712,285	117,297	100,680	93,762	104,425
Mullet	23,861	22,782	21,205	21,646	30,125	5,426	5,720	6,043	8,224
Ocean perch, Atlantic	12,136	12,333	9,666	6,576	4,202	3,550	3,179	3,160	2,709
Ocean perch, Pacific	8,958	8,068	9,034	15,585	19,982	1,908	1,757	3,116	4,478
Pollock, Atlantic	39,931	39,536	43,477	54,469	45,645	6,439	6,978	14,044	17,916
Pollock, Alaska	50,716	24,016	92,833	130,424	552,048	2,155	5,409	7,167	45,849
Rockfish	97,315	85,569	82,109	92,029	117,881	21,813	23,107	28,265	38,153
Sablefish	57,068	50,031	63,380	84,868	102,698	17,526	28,692	45,879	58,107
Salmon	664,718	691,409	726,946	658,521	562,018	391,462	439,795	493,937	596,376
Scup or porgy	18,346	18,505	15,996	16,181	14,295	8,775	9,338	9,476	9,810
Sea trout, gray	18,705	19,726	16,400	20,602	17,927	7,541	7,330	7,086	7,499
Shark, Dogfish	12,523	6,071	11,563	11,114	14,167	549	842	964	1,573
Snapper, red	5,705	5,745	5,181	4,489	3,732	10,107	10,661	9,820	8,661
Swordfish	11,312	12,831	12,258	9,671	9,761	37,063	33,191	30,508	34,974
Tuna	166,359	211,830	83,054	87,811	100,058	118,352	52,515	54,575	95,803
Whiting	40,738	46,214	44,545	39,924	34,673	6,867	8,274	8,312	11,584
Shellfish, total [1]	(x)	**981,589**	**1,043,279**	**1,159,871**	**1,187,511**	**1,161,850**	**1,132,810**	**1,443,689**	**1,485,672**
Clams	130,515	132,921	150,551	145,393	134,357	116,491	128,349	134,910	132,861
Crabs	334,568	312,953	337,632	355,660	386,368	186,576	203,044	270,138	321,875
Lobsters: American	43,965	43,967	46,152	46,053	45,558	114,348	114,895	120,556	133,554
Oysters	47,498	48,287	44,173	40,544	39,807	80,817	70,053	78,068	92,423
Scallops: Calico	14,815	39,330	12,513	1,616	8,155	21,620	12,524	3,087	8,889
Sea	19,210	18,427	15,829	19,992	32,038	97,675	74,562	97,415	132,263
Shrimp	296,330	301,754	333,691	400,185	363,142	488,400	472,850	662,744	578,084
Squid: Atlantic	28,303	30,948	7,157	33,145	38,883	26,586	7,256	10,279	12,493
Pacific	21,419	2,218	22,276	42,262	43,166	514	4,047	4,368	4,300

X Not applicable. [1] Includes other types of fish and shellfish, not shown separately.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual.

No. 1164. FISHERIES—DISPOSITION OF DOMESTIC CATCH: 1970 TO 1987

[**Live weight catch in millions of pounds.** 1978–1987 preliminary. In addition to whole fish, a large portion of waste (400–500 million lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown. See *Historical Statistics, Colonial Times to 1970,* series L 305–310, for similar but not entirely comparable data]

DISPOSITION	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**4,917**	**4,877**	**6,028**	**6,267**	**6,482**	**5,977**	**6,367**	**6,439**	**6,438**	**6,258**	**6,031**	**6,896**
Fresh and frozen	1,595	1,744	2,237	2,394	2,621	2,547	2,550	2,304	2,336	2,242	2,487	3,026
Canned	1,150	907	1,099	1,046	1,161	1,118	891	1,087	1,128	1,232	1,134	1,171
Cured	71	55	52	94	96	90	85	80	82	70	60	58
Reduced to meal, oil, etc	2,101	2,171	2,640	2,733	2,604	2,222	2,841	2,968	2,892	2,714	2,350	2,641

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States,* annual, and *Fisheries of the United States,* annual.

No. 1165. JOINT VENTURE CATCHES IN THE U.S. EXCLUSIVE ECONOMIC ZONE (EEZ) BY SPECIES: 1984 TO 1987

[**Joint venture**—An operation authorized under the Magnuson Fishery Conservation and Management Act (MFCMA) in which a permitted foreign vessel receives fish in the U.S. Exclusive Economic Zone (EEZ) from a U.S. vessel. The fish received from the U.S. vessel are part of the U.S. harvest]

SPECIES	QUANTITY (1,000 lb.)				VALUE ($1,000)			
	1984	1985	1986	1987	1984	1985	1986	1987
Total	**1,465,084**	**2,008,889**	**2,888,879**	**3,520,501**	**79,042**	**104,320**	**154,899**	**213,796**
Alewives	20	-	(D)	48	1	-	(D)	(Z)
Atka mackerel	80,453	88,047	70,527	66,206	5,632	6,109	4,828	4,775
Cod	84,904	80,189	145,537	131,220	8,546	7,799	14,449	15,334
Flounders	119,869	396,084	475,924	494,381	7,605	24,833	28,847	33,272
Hake, Pacific	(D)	(D)	179,981	467,363	(D)	(D)	8,736	23,306
Ocean perch	5,099	619	602	1,226	689	56	72	173
Mackerel, Atlantic	3,138	8,350	(D)	17,663	220	584	(D)	1,058
Pollock, Alaska	979,406	1,354,368	1,993,203	2,330,956	41,591	59,730	95,294	134,302
Rockfishes	763	154	474	705	105	14	57	100
Sablefish	1,920	207	956	271	396	30	137	37
Whiting	(D)	-	144	11	(D)	-	9	(Z)
Squid	14,925	7,987	(D)	9,112	2,395	1,194	(D)	1,373
Other	174,587	72,884	21,531	1,339	11,862	3,971	2,470	66

- Represents zero. D Figure withheld to avoid disclosure. Z Less than $500.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States,* annual.

No. 1166. U.S. CATCH AND VALUE OF FISH AND SHELLFISH, BY DISTANCE CAUGHT OFF U.S. SHORES—SELECTED SPECIES: 1987

[Preliminary. **Catch** is shown in **live weight,** except as indicated. Includes landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States and joint venture catches; see table 1165]

SPECIES	Total U.S. catch (mil. lb.)	BY DISTANCE FROM U.S. SHORES						Value of U.S. catch[1] (mil. dol.)	PERCENT OF TOTAL VALUE, BY DISTANCE CAUGHT OFF U.S. SHORES		
		Catch (mil. lb.)			Percent of U.S. catch						
		3 miles or less[1]	3 to 200 miles	International waters[2]	3 miles or less[1]	3 to 200 miles	International waters[2]		3 miles or less[1]	3 to 200 miles	International waters[2]
Total	**10,986**	**4,060**	**6,322**	**604**	**37.0**	**57.5**	**5.5**	**3,569**	**46.3**	**46.0**	**7.7**
Fish[3]	**9,783**	**3,431**	**5,748**	**604**	**35.1**	**58.7**	**6.2**	**2,070**	**43.3**	**43.4**	**13.3**
Cod	361	27	334	(Z)	7.5	92.5	(Z)	91	6.6	93.4	(Z)
Flounder	694	61	626	7	8.8	90.2	1.0	178	14.0	83.2	2.8
Halibut	76	27	49	(Z)	35.7	64.3	(Z)	88	34.9	65.1	(Z)
Herring, sea	207	165	42	-	79.8	20.2	-	52	96.2	3.8	-
Mackerel	133	4	129	-	3.1	96.9	-	16	11.1	88.9	-
Menhaden	2,712	2,085	627	-	76.9	23.1	-	104	79.2	20.8	-
Pollock	2,929	83	2,846	(Z)	2.8	97.2	(Z)	198	3.6	96.4	(Z)
Salmon, Pacific	562	545	17	-	97.0	3.0	-	596	93.9	6.1	-
Tuna	626	1	32	593	.1	5.2	94.7	321	.2	18.3	81.5
Shellfish[3]	**1,203**	**629**	**574**	(Z)	**52.3**	**47.7**	(Z)	**1,499**	**50.4**	**49.6**	(Z)
Clams (meats)	134	37	97	-	27.2	72.8	-	133	72.0	28.0	-
Crabs	386	235	151	(Z)	60.8	39.2	(Z)	322	38.3	61.7	(Z)
Lobsters	51	39	12	(Z)	77.0	22.9	.1	155	72.9	26.9	.2
Scallops (meats)	41	2	39	-	4.9	95.1	-	144	6.3	93.7	-
Shrimp	363	175	188	-	48.2	51.8	-	578	45.8	54.2	-
Squid	91	7	84	-	7.4	92.6	-	18	14.2	85.8	-

- Represents zero. Z Less than 500,000 pounds or .05 percent. [1] Includes all landings in Great Lakes and other inland waters. [2] Greater than 200 nautical miles seaward from the U.S. shores except for 2 States. The boundaries for the Gulf Coast of Florida and Texas are 9 nautical miles. [3] Includes other species not shown separately.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States,* annual and *Fisheries of the United States,* annual.

No. 1167. U.S. Private Aquaculture—Production and Value: 1980 to 1986

[Production is shown in live weight, except as indicated. Aquaculture is the commercial growing of fish or other aquatic life in a controlled environment]

SPECIES	PRODUCTION (1,000 lbs.)					VALUE ($1,000)				
	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
Total	**203,178**	**404,340**	**455,733**	**535,764**	**619,959**	**191,977**	**314,674**	**398,168**	**422,736**	**496,329**
Baitfish [1]	22,046	22,046	23,598	24,807	25,247	44,000	44,000	47,045	51,280	51,522
Catfish	76,842	220,000	239,800	271,357	326,979	53,572	132,000	191,840	189,194	228,886
Clams [2]	561	1,689	1,698	1,588	2,506	2,295	9,500	4,178	4,717	8,307
Crawfish	23,917	60,000	59,400	64,999	97,500	12,951	30,000	29,700	32,500	48,750
Freshwater prawns	300	275	317	267	178	1,200	1,500	1,698	1,540	893
Mussels [2]	(NA)	775	917	928	1,206	(NA)	1,500	1,584	1,248	1,725
Oysters [2]	23,755	23,300	24,549	22,473	24,090	37,085	31,500	38,970	39,977	42,797
Pacific salmon	7,616	20,600	45,086	84,305	74,398	3,400	6,800	17,252	25,439	32,751
Shrimp	-	255	528	440	1,354	-	874	1,566	1,687	3,408
Trout	48,141	48,400	49,940	50,600	51,000	37,474	50,000	54,435	55,154	55,590
Other species	(NA)	7,000	9,900	14,000	15,500	(NA)	7,000	9,900	20,000	21,700

- Represents zero. NA Not available. [1] Not used for food consumption. [2] Production is shown in meat weight.

Source: U.S. Dept. of Agriculture, Office of Aquaculture, *Agricultural Outlook*, June 1988.

No. 1168. Supply of Selected Fishery Items: 1978 to 1987

[**In millions of pounds**. Totals for U.S. consumption are supply minus exports plus imports. Round weight is the complete or full weight as caught. Data are preliminary]

ITEM	unit	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Sardines, canned	Canned weight	73	78	69	84	67	46	58	76	68	77
Salmon, canned	Canned weight	116	98	126	151	71	127	150	113	87	83
Tuna, canned	Canned weight	757	674	666	698	626	713	777	759	873	866
Clams	Meat weight	94	99	102	130	119	126	144	164	162	152
King crab	Round weight	75	86	133	60	28	23	13	11	19	14
Snow crab	Round weight	66	44	54	43	25	30	23	45	49	29
Crab meat, canned	Canned weight	7	7	9	7	7	8	7	8	9	8
American lobster	Round weight	62	68	69	78	81	93	100	108	113	115
Spiny lobster	Round weight	149	157	127	134	127	137	153	154	152	151
Oysters	Meat weight	85	75	71	76	82	81	84	90	91	92
Scallops	Meat weight	62	59	51	72	55	67	87	72	70	81
Shrimp	Heads-off weight	431	424	425	434	458	541	584	633	706	773

No. 1169. Canned, Fresh and Frozen Fishery Products—Production and Value: 1975 to 1987

[Fresh fishery products exclude Alaska and Hawaii. Canned fishery products data are for natural pack only. See also *Historical Statistics, Colonial Times to 1970*, series L 338-3357 (production data in cases) and L 358]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1975	1980	1984	1985	1986	1987 [1]	1975	1980	1984	1985	1986	1987 [1]
CANNED												
Total [2]	**1,382**	**1,516**	**1,411**	**1,161**	**1,332**	**1,171**	**1,067**	**1,928**	**1,578**	**1,360**	**1,495**	**1,511**
Tuna	529	602	614	545	637	654	653	1,144	872	821	882	1,018
Salmon	78	200	200	159	142	112	110	376	322	228	265	221
Clam products	76	77	114	117	116	122	42	66	95	109	118	88
Mackerel [3]	10	38	31	15	17	(NA)	3	12	13	7	6	(NA)
Sardines, Maine	26	20	15	20	16	13	25	32	25	38	28	22
Shrimp	12	16	7	4	5	4	28	80	36	19	23	23
Crabs	3	5	1	1	1	(Z)	10	19	5	2	2	(Z)
Squid	8	4	(NA)	4	(NA)	(NA)	2	1	(NA)	1	(NA)	(NA)
Oysters [4]	2	(Z)	6	2	3	3	4	(Z)	5	2	4	4
FRESH AND FROZEN												
Fish fillets and steaks [5]	132	202	252	246	280	277	138	261	410	440	564	585
Cod	15	31	70	57	77	61	15	43	97	89	142	152
Flounder	42	49	79	69	64	56	53	87	159	157	169	165
Haddock	8	17	9	8	8	9	12	29	19	19	25	32
Ocean perch, Atlantic	8	7	3	2	3	3	6	9	3	3	6	6
Rockfish	6	14	18	18	17	16	3	13	23	25	24	24
Pollock, Atlantic	6	9	11	15	16	19	4	9	11	17	21	30
Pollock, Alaska	(NA)	(NA)	4	11	24	65	(NA)	(NA)	4	24	25	69
Other	47	74	59	66	71	49	45	71	95	106	152	116
Frozen fishery products	300	228	188	205	192	154	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. Z Less than 500,000 pounds or $500,000. [1] Preliminary. [2] Includes other products, not shown separately. [3] Includes Jack and a small amount of Pacific mackerel. [4] Includes oyster specialties. [5] Fresh and frozen.

Source of tables 1168 and 1169: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

NO. 1170. PROCESSED FISHERY PRODUCTS—PRODUCTION AND VALUE: 1980 TO 1987

[Includes Puerto Rico and American Samoa. See *Historical Statistics, Colonial Times to 1970*, series L 362-365, for meal, scrap, and oil]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1980	1983	1984	1985	1986	1987 [1]	1980	1983	1984	1985	1986	1987 [1]
Total [2]	(x)	(x)	(x)	(x)	(x)	(x)	**4,456**	**5,071**	**5,211**	**4,936**	**5,263**	**5,500**
Fresh and frozen [3]	(x)	(x)	(x)	(x)	(x)	(x)	2,110	3,124	3,234	3,242	3,481	3,665
Fillets	197	217	241	232	266	271	247	327	384	408	527	577
Steaks	5	13	11	13	14	6	14	35	27	32	37	18
Fish sticks	88	87	92	96	87	99	89	116	110	111	94	143
Fish portions	344	335	333	330	342	316	388	411	414	368	394	429
Breaded shrimp	83	100	95	95	108	100	254	386	369	355	358	369
Canned products [4]	1,516	1,391	1,411	1,161	1,332	1,171	1,928	1,534	1,577	1,360	1,495	1,511
Fish and shellfish	1,009	987	1,042	913	1,011	967	1,782	1,394	1,436	1,269	1,395	1,434
Animal food	507	404	369	248	321	204	146	140	141	91	100	77
Industrial products	(x)	(x)	(x)	(x)	(x)	(x)	270	252	234	182	175	209
Meal and scrap	724	764	752	722	702	787	134	130	113	84	83	121
Oil (body and liver)	312	399	373	285	337	298	58	67	61	42	44	36
Solubles	267	317	252	323	195	238	14	16	15	19	12	16
Other	(x)	(x)	(x)	(x)	(x)	(x)	64	39	45	37	36	36

X Not applicable. [1] Preliminary. [2] Includes cured fish. [3] Includes items not shown (dressed fish, shellfish not breaded, specialties). [4] Includes salmon eggs for bait.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

NO. 1171. FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1970 TO 1987

[Imports include landings of tuna by foreign vessels at American Samoa. See also *Historical Statistics, Colonial Times to 1970*, series L 227-235]

YEAR	IMPORTS				EXPORTS			
	Total value (mil. dol.)	Edible products		Non-edible, value (mil. dol.)	Total value (mil. dol.)	Edible products		Non-edible, value (mil. dol.)
		Quantity (mil. lb.)	Value (mil. dol.)			Quantity (mil. lb.)	Value (mil. dol.)	
1970	1,037	1,873	813	225	118	140	94	24
1975	1,637	1,913	1,367	270	305	218	267	37
1980	3,648	2,145	2,687	962	1,006	574	904	102
1984	5,883	2,454	3,742	2,141	949	574	842	106
1985	6,679	2,754	4,064	2,614	1,084	648	1,010	73
1986	7,626	2,979	4,813	2,813	1,356	735	1,290	66
1987, prel.	[1] 8,817	[1] 3,201	[1] 5,711	[1] 3,106	[1] 1,660	[1] 783	[1] 1,577	83

[1] Record.

NO. 1172. SELECTED FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1983 TO 1987

[See *Historical Statistics, Colonial Times to 1970*, series L 312-318, for selected imports]

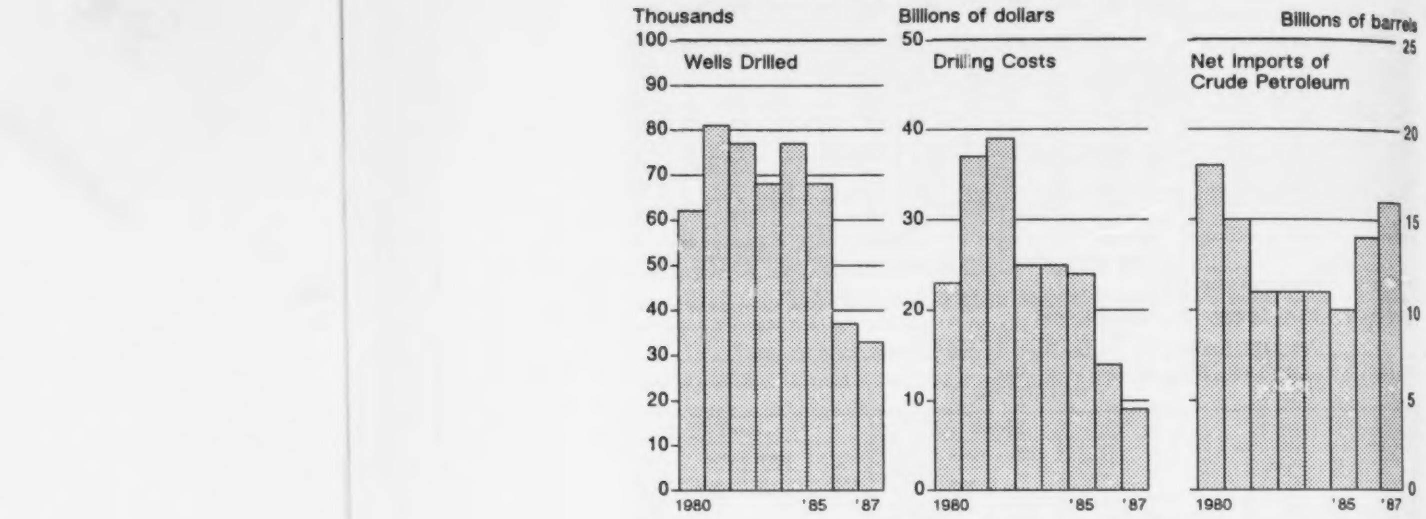
PRODUCT	QUANTITY (mil. lb.)					VALUE (mil. dol.)				
	1983	1984	1985	1986	1987, prel.	1983	1984	1985	1986	1987, prel.
IMPORTS										
Edible [1]	**2,386.8**	**2,454.3**	**2,754.0**	**2,978.9**	**3,201.1**	**3,626.7**	**3,742.3**	**4,064.3**	**4,813.5**	**5,711.2**
Fresh or frozen [1]	2,051.5	2,057.1	2,229.0	2,423.7	2,661.6	3,211.9	3,281.3	3,461.6	4,150.0	5,021.9
Salmon [2]	14.4	21.1	27.0	40.5	41.9	33.4	56.5	75.6	100.7	113.0
Tuna [3]	505.2	404.2	478.8	563.8	572.5	240.0	215.9	266.3	298.8	330.8
Groundfish fillets, blocks [4]	682.6	624.0	639.8	651.0	719.0	708.0	631.1	655.3	790.6	1,109.4
Other fillets and steaks	141.5	165.7	231.0	251.4	305.6	188.0	238.3	333.7	416.1	545.1
Scallops (meats)	34.3	27.3	42.0	47.9	39.9	158.7	117.3	147.1	192.6	162.3
Lobster, American and spiny	63.8	73.4	77.4	79.3	80.9	364.0	435.7	464.9	464.9	575.9
Shrimp and prawn	328.3	328.9	342.8	384.3	461.2	1,198.0	1,189.9	1,120.7	1,404.9	1,676.8
Canned [1]	257.6	316.4	414.4	438.8	428.7	330.4	372.9	465.8	500.4	515.9
Sardines, in oil	17.2	17.5	23.0	22.9	27.4	21.2	23.4	27.0	28.5	35.1
Sardines and herring [5]	23.7	31.5	39.8	36.0	43.3	21.5	24.8	30.3	30.4	34.2
Tuna	122.3	162.3	213.9	236.6	211.7	137.3	167.3	209.1	228.6	206.9
Oysters	21.6	23.0	28.9	32.1	32.7	24.8	26.2	30.2	32.3	36.1
Pickled or salted	60.9	61.1	57.1	61.4	57.4	56.1	55.5	53.4	62.2	74.6
Cod, haddock, hake, pollock, cusk	37.7	38.0	34.7	36.9	31.9	42.9	42.3	41.2	49.5	60.5
Nonedible scrap and meal	**135.9**	**166.9**	**510.7**	**370.0**	**393.7**	**21.8**	**26.5**	**61.7**	**47.2**	**52.5**
EXPORTS										
Canned salmon	54.5	49.0	48.2	59.4	35.9	97.0	86.8	83.1	101.2	85.8
Fish oil, nonedible	**404.1**	**399.4**	**279.1**	**192.2**	**249.1**	**59.8**	**71.0**	**36.8**	**20.8**	**23.3**

X Not applicable. [1] Includes products not shown separately. [2] Excludes fillets. [3] Includes landings of tuna by foreign vessels at American Samoa. [4] Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting. [5] Not in oil.

Source of tables 1171 and 1172: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.

Figure 25.1

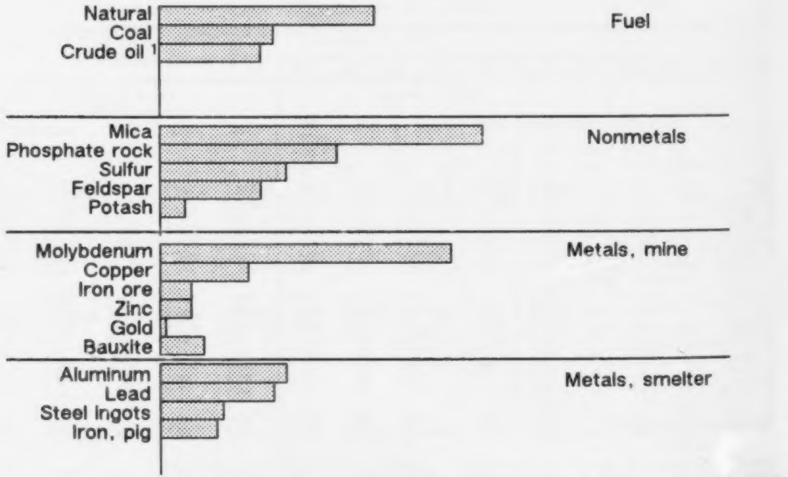
Crude Petroleum and Natural Gas-Wells Drilled, Drilling Cost and Imports: 1980 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1188 and 1190.

Figure 25.2

U.S. Mineral Production as Percent of World: 1986



[1] Includes natural gas liquids.

Source: Chart prepared by U.S. Bureau of the Census. For data see table 1182.

Section 25

Mining and Mineral Products

This section presents data relating to mineral industries and their products, general summary measures of production and employment, and more detailed data on production, prices, imports and exports, consumption, and distribution for specific industries and products. Data on mining and mineral products may also be found in sections 27 and 31 of this *Abstract;* data on mining employment may be found in section 13.

"Mining" comprises the extraction of minerals occurring naturally (coal, ores, crude petroleum, natural gas) and quarrying, well operation, milling, refining and processing and other preparation customarily done at the mine or well site or as a part of extraction activity. (Mineral preparation plants are usually operated together with mines or quarries.) Exploration for minerals is included as is the development of mineral properties.

The principal governmental sources of these data are the three-volume *Minerals Yearbook,* published by the Bureau of Mines, Department of the Interior, and various monthly and annual publications of the Energy Information Administration, Department of Energy. See text, section 19 for list of Department of Energy publications. In addition, the Bureau of the Census conducts a census of mineral industries every 5 years. Non-government sources include the *Annual Statistical Report* of the American Iron and Steel Institute, Washington, DC; *Metals Week* and the monthly *Engineering and Mining Journal,* issued by the McGraw-Hill Publishing Co., New York, NY; *The Iron Age,* issued weekly by the Chilton Co., Philadelphia, PA; and the *Joint Association Survey of the U.S. Oil and Gas Industry,* conducted jointly by the American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the Geological Survey or by the Bureau of Mines since 1880. Current data in Bureau of Mines publications include quantity and value of nonfuel minerals produced, sold or used by producers, or shipped; quantity of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials. The U.S. Mine Safety and Health Administration also collects and publishes data on workhours, employme[illegible]dents, and injuries in the mineral industries, except petroleum and natural gas. In Octobe[illegible] mineral fuel data collection activities of the Bureau of Mines were transferred to the Energy Information Administration.

Censuses of mineral industries have been conducted by the Bureau of the Census at various intervals since 1840. Beginning with the 1967 census, legislation provides for a census to be conducted every fifth year for years ending in "2" and "7." The censuses provide, for the various types of mineral establishments, information on operating costs, capital expenditures, labor, equipment, and energy requirements in relation to their value of shipments and other receipts. Commodity statistics on many manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series.

In general, figures shown in the individual commodity tables include data for outlying areas, and may therefore not agree with summary table 1177. Except for crude petroleum and refined products, the export and import figures include foreign trade passing through the customs districts of United States and Puerto Rico, but exclude shipments between U.S. territories and the customs districts.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

NO. 1173. SUMMARY OF MINERAL OPERATIONS: 1958 TO 1982

[Represents mineral operations only. Beginning 1967, excludes single unit establishments without paid employees. See also *Historical Statistics, Colonial Times to 1970*, series M 1-11]

ITEM	Unit	1958	1963	1967	1972	1977	1982
Establishments [1]	Number	36,392	38,651	28,579	25,269	31,359	73,005
With 20 or more employees [1]	Number	6,045	5,499	5,682	5,312	6,632	10,272
Including all operations in manufactures [1]	Number	37,966	40,532	29,688	26,178	31,967	73,349
Excluding oil and gas extraction	Number	19,444	19,290	13,330	11,680	13,520	12,838
Employees, total	1,000	734	616	567	595	799	1,114
Production workers [2]	1,000	565	482	433	443	593	762
All other	1,000	169	134	134	152	206	352
Worker-hours, production workers [2]	Million	1,081	973	892	909	1,183	1,578
Workerhours per production workers	1,000	1.9	2.0	2.1	2.1	2.0	2.1
Payroll, total	Mil. dol	3,749	3,743	4,187	6,226	13,167	28,637
Wages, production workers [2]	Mil. dol	2,623	2,680	2,888	4,250	9,082	18,030
Salaries, all other employees	Mil. dol	1,126	1,063	1,299	1,976	4,085	10,607
Cost of supplies, etc. [3]	Mil. dol	7,521	8,974	10,576	14,884	46,079	109,697
Value added in mining	Mil. dol	13,385	15,910	19,330	26,471	68,013	188,056
Metal mining	Mil. dol	1,180	1,416	1,557	2,382	3,504	3,215
Coal mining	Mil. dol	1,780	1,727	2,091	3,754	11,266	18,631
Oil and gas extraction	Mil. dol	9,033	11,020	13,394	17,612	48,587	159,937
Nonmetallic minerals mining	Mil. dol	1,392	1,745	2,288	2,723	4,656	6,273
Value of shipments and receipts [4]	Mil. dol	16,373	18,804	22,784	36,319	96,375	250,000
Capital expenditures	Mil. dol	2,804	3,264	4,058	5,036	17,718	47,753

[1] Data for 1982 are not comparable to prior years. [2] See footnote 5, table 1176. [3] Includes purchased machinery installed. [4] See footnote 7, table 1176.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1972, 1977* and *1982*.

NO. 1174. GROSS NATIONAL PRODUCT IN MINING: 1970 TO 1987

[**In billions of dollars, except percent.** For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

MINING INDUSTRY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Current dollars, total	**18.7**	**41.3**	**50.2**	**56.5**	**72.7**	**107.3**	**143.7**	**132.1**	**118.4**	**119.4**	**114.2**	**82.1**	**85.4**
Percent of total gross national product	1.8	2.6	2.5	2.5	2.9	3.9	4.7	4.2	3.5	3.2	2.8	1.9	1.9
Metal mining	1.5	1.6	1.9	2.2	3.3	3.8	3.9	2.3	2.5	2.2	1.8	2.1	2.2
Coal mining	3.0	9.1	9.6	10.2	11.4	12.9	13.8	15.1	14.3	14.6	13.9	13.2	12.7
Oil and gas extraction	12.2	27.4	34.9	39.6	53.1	84.9	120.8	110.2	96.4	96.4	92.4	60.3	65.0
Nonmetallic minerals, exc. fuels	1.9	3.2	3.8	4.4	4.8	5.6	5.2	4.5	5.1	6.2	6.1	6.5	5.5
Constant (1982) dollars, total	**134.5**	**125.6**	**126.2**	**128.8**	**130.0**	**135.6**	**139.8**	**132.1**	**125.4**	**133.0**	**130.1**	**115.7**	**117.5**
Metal mining	4.0	3.5	3.4	3.4	3.6	3.5	3.8	2.3	2.2	2.5	2.4	2.4	2.7
Coal mining	11.2	11.9	12.6	12.1	14.1	14.9	14.8	15.1	14.3	16.1	16.0	16.0	18.6
Oil and gas extraction	115.2	105.7	105.3	108.0	106.9	111.7	115.5	110.2	104.1	108.9	106.2	91.9	92.7
Nonmetallic minerals, exc. fuels	4.2	4.5	4.9	5.3	5.4	5.5	5.6	4.5	4.9	5.4	5.6	5.3	5.5

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 1175. MINING AND PRIMARY METAL PRODUCTION INDEXES: 1970 TO 1987

[**1977 = 100.** See also *Historical Statistics, Colonial Times to 1970*, series M 68-71]

INDUSTRY GROUP	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Mining	**98.9**	**96.6**	**97.4**	**103.6**	**106.4**	**112.4**	**117.5**	**109.3**	**102.9**	**111.1**	**108.8**	**100.4**	**100.7**
Coal	88.2	93.8	97.7	96.0	111.6	116.4	117.8	119.9	113.3	128.1	126.8	127.7	131.8
Antracite	165.5	105.7	105.4	85.8	82.0	102.5	92.2	78.0	70.0	70.6	66.6	65.9	66.0
Bituminous	87.1	93.7	97.6	96.1	112.0	118.6	118.0	120.3	113.8	128.7	127.4	128.4	132.5
Oil and gas extraction	100.2	97.3	95.6	104.5	104.2	111.5	117.8	110.9	102.8	109.1	106.2	93.9	92.7
Crude oil and natural gas	115.9	101.9	99.4	102.8	101.8	103.2	102.3	100.1	96.8	99.9	99.5	96.9	94.6
Oil and gas drilling	48.7	82.0	82.4	117.6	119.5	164.1	214.1	178.6	139.9	165.5	147.5	76.2	79.1
Metal mining	127.3	104.6	114.0	107.3	113.4	103.8	113.2	71.4	65.2	77.0	75.0	74.2	77.6
Iron ore	162.8	144.1	143.5	146.5	154.5	125.4	134.9	66.4	68.8	92.1	87.7	70.8	83.0
Nonferrous ores	116.3	92.5	105.0	90.6	95.9	94.6	104.0	73.5	63.7	70.6	69.6	75.6	75.1
Copper ore	112.9	92.9	105.8	98.5	104.8	85.2	110.9	82.6	75.9	78.6	79.4	83.4	92.1
Lead and zinc ores	105.7	104.4	103.6	88.0	83.4	91.7	78.6	86.2	75.9	60.3	66.0	56.8	55.0
Primary metals, manufacturing	**94.8**	**88.2**	**98.7**	**107.0**	**108.5**	**90.4**	**95.0**	**65.8**	**73.0**	**82.3**	**80.5**	**75.1**	**81.3**
Nonferrous metals	82.9	81.0	93.5	106.1	109.6	98.3	99.7	81.4	86.2	99.3	99.7	97.2	101.6
Copper	126.7	95.7	107.8	106.5	114.5	88.6	106.4	77.3	80.1	90.2	92.1	91.9	93.0
Aluminum	87.6	85.5	93.4	105.8	110.7	112.7	109.1	79.6	81.4	99.3	84.9	73.8	81.2
Iron and steel	102.1	92.0	101.4	107.5	108.0	86.3	92.5	57.5	66.1	73.4	70.4	63.4	70.6

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1176. Mineral Industries—Summary: 1972 to 1982

["N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series M1-12]

MINERAL INDUSTRY	1972			1977					1982									
				Establishments		All employees			Establishments [4]		All employees		Production workers [5]					
	Establishments	All employees, payroll [1] (mil. dol.)	Value added in mining [2] (mil. dol.)	Total	With 20 or more employees	Number [3] (1,000)	Payroll [1] (mil. dol.)	Value added in mining [2] (mil. dol.)	Total	With 20 or more employees	Number [3] (1,000)	Payroll [1] (mil. dol.)	Number (1,000)	Hours [6] (millions)	Wages (mil. dol.)	Value added in mining [2] (mil dol.)	Value of shipments and receipts [7] (mil. dol.)	Capital expenditures (mil. dol.)
All industries	**25,269**	**6,226**	**26,471**	**31,359**	**6,632**	**799**	**13,167**	**68,013**	**73,005**	**10,272**	**1,114**	**28,637**	**762**	**1,578**	**18,030**	**188,056**	**250,000**	**47,753**
Metal mining	**1,014**	**853**	**2,382**	**1,206**	**328**	**88**	**1,485**	**3,504**	1,515	**328**	**68**	**1,860**	**47**	**90**	**1,222**	**3,215**	**5,287**	**1,161**
Iron ores	111	218	702	97	61	19	372	1,046	78	40	12	340	7	13	201	770	1,414	63
Copper ores	181	387	1,025	133	61	33	544	1,067	81	51	22	604	16	30	429	672	1,551	423
Lead and zinc ores	101	72	200	88	41	7	105	329	71	28	4	112	3	6	71	201	318	57
Gold and silver ores	132	30	61	175	20	5	71	161	371	80	10	263	7	15	181	650	741	238
Gold ores and placers	81	20	47	126	8	3	40	78	286	59	8	188	5	10	120	479	521	205
Silver ores	51	10	14	49	12	2	32	83	85	21	3	75	2	5	61	171	220	33
Bauxite	10	4	24	12	6	(Z)	7	31	8	4	(Z)	9	(Z)	(Z)	6	15	30	5
Ferroalloy ores, except vanadium	44	40	137	56	17	6	107	256	69	16	5	150	3	6	88	146	206	110
Metal mining services	172	31	54	270	42	3	52	112	394	22	3	61	2	4	42	90	125	27
Miscellaneous metal ores	263	71	180	375	80	14	227	502	443	87	12	323	8	17	205	671	902	240
Anthracite mining	**230**	**35**	**68**	**176**	**43**	**4**	**51**	**123**	**173**	**41**	**4**	**69**	**3**	**6**	**57**	**176**	**293**	**23**
Anthracite	213	32	63	156	38	3	48	116	152	40	3	67	3	6	56	172	287	23
Anthracite mining services	17	3	5	20	5	(Z)	4	7	21	1	(Z)	2	(Z)	(Z)	2	5	7	1
Bituminous coal, lignite mining	**3,365**	**1,742**	**3,685**	**5,275**	**1,690**	**242**	**4,120**	**11,143**	**5,005**	**1,856**	**248**	**6,736**	**198**	**380**	**5,188**	**18,455**	**28,261**	**3,199**
Bituminous coal and lignite	3,191	1,714	3,626	4,944	1,610	235	4,005	10,837	4,513	1,767	241	6,570	193	370	5,056	18,041	27,695	3,141
Coal mining services, n.e.c	174	29	60	331	80	7	115	306	492	89	7	166	6	11	132	414	565	58
Oil and gas extraction	**14,498**	**2,525**	**17,612**	**18,447**	**3,128**	**349**	**5,902**	**48,587**	**60,511**	**6,814**	**685**	**17,693**	**434**	**939**	**10,033**	**159,937**	**207,091**	**42,216**
Crude petroleum and natural gas	7,609	1,375	14,422	8,573	981	140	2,738	38,327	27,538	1,994	264	8,084	102	214	2,725	126,035	134,969	34,281
Natural gas liquids	680	117	1,019	692	209	13	227	3,286	793	236	14	402	12	24	323	8,865	41,010	1,131
Oil and gas field services	6,209	1,033	2,172	9,182	1,938	196	2,936	6,974	32,160	4,584	406	9,207	320	701	6,985	25,037	31,112	6,804
Drilling oil and gas wells	1,907	422	881	2,625	840	79	1,317	3,307	10,123	1,810	166	4,007	139	296	3,241	11,316	13,798	4,206
Oil and gas exploration services	715	89	212	1,252	116	18	220	545	4,228	389	42	810	33	73	622	2,307	2,960	391
Oil and gas field services, n.e.c	3,587	522	1,079	5,305	982	99	1,399	3,122	17,809	2,385	199	4,391	148	332	3,123	11,415	14,354	2,207
Nonmetallic minerals mining	**6,162**	**1,070**	**2,723**	**6,255**	**1,443**	**117**	**1,609**	**4,656**	**5,801**	**1,233**	**110**	**2,278**	**80**	**164**	**1,530**	**6,273**	**9,068**	**1,154**
Dimension stone [8]	198	13	26	209	23	2	19	39	154	22	2	21	1	2	16	50	64	3
Crushed and broken stone [9]	1,937	388	982	2,055	655	41	543	1,501	1,932	567	37	701	28	57	494	1,787	2,572	269
Sand and gravel [9]	2,929	322	776	2,807	430	31	418	1,017	2,758	343	28	520	21	42	380	1,336	1,877	211
Clay and related minerals [9]	309	78	198	255	103	10	136	358	224	97	11	212	8	16	139	510	887	107
Chemical and fertilizer minerals	204	203	583	205	112	24	372	1,433	196	114	26	681	16	35	395	2,237	3,135	519
Nonmetallic minerals, services	126	11	20	176	33	2	36	70	222	18	2	35	1	3	26	70	101	7
Miscellaneous [9]	459	55	138	548	87	7	87	238	315	72	6	109	5	10	81	283	433	37

Z Less than 500 or 500,000. [1] Gross earnings paid to all employees on payroll. [2] Computed by subtracting cost of supplies, minerals received for preparation, purchased fuel and electric energy, contract work, and purchased machinery from the value of shipments and capital expenditures. [3] Excludes proprietors and firm members of unincorporated concerns. [4] Not comparable to prior years for the crude petroleum and natural gas and mining service industries. [5] Represents employees up through the working foreman level engaged in manual work. Includes development and exploration workers. [6] Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent). [7] Represents value of shipments of primary and secondary products of the industry and amount received for services performed for other establishments on a contract, fee, or other basis. [8] Excludes data for dimension stone quarries operated in conjunction with dressing plants. [9] Excludes data for mining included in establishments classified in manufacturing industries.

Source: U.S. Bureau of the Census, *Census of Mineral Industries: 1972, 1977, and 1982,* final industry series reports.

No. 1177. Mineral Production and Value, 1970 to 1986,

[Data represent production as measured by mine shipments, mine sales, or marketable production

	MINERAL	PRODUCTION QUANTITY							
		Unit	1970	1980	1982	1983	1984	1985	1986
1	**Total mineral production**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
2	**Mineral fuels**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
3	Coal: Bituminous and lignite	Mil. sh. ton	603	824	834	778	892	879	886
4	Pennsylvania anthracite	Mil. sh. ton	10	6	5	4	4	5	4
5	Natural gas (wet)	Tril. cu. ft	21.92	20.18	18.52	16.82	18.23	17.20	16.79
6	Petroleum (crude)	Mil. bbl. [1]	3,517	3,146	3,157	3,171	3,250	3,274	3,168
7	Uranium [2]	Mil. lb	23.1	43.7	26.9	21.2	14.9	11.3	13.5
8	**Industrial minerals**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
9	Abrasive stone [3]	Sh. ton	3,055	631	1,285	1,101	1,290	1,157	1,073
10	Asbestos	1,000 sh. ton	125	88	70	77	63	63	57
11	Asphalt and related bitumens (native) [4]	1,000 sh. ton	1,981	1,252	(D)	(D)	(D)	(D)	(D)
12	Barite	1,000 sh. ton	854	2,245	1,845	754	775	739	297
13	Boron minerals	1,000 sh. ton	1,041	1,545	1,234	1,303	1,367	1,269	1,251
14	Bromine	Mil. lb	350	378	401	370	385	320	310
15	Calcium chloride	1,000 sh. ton	633	581	617	(D)	838	(D)	(D)
16	Carbon dioxide, natural (estimate)	Mil. cu. ft	1,110	1,628	2,068	-	-	-	-
17	Cement: Portland	Mil. sh. ton	73.2	71.6	61.1	67.2	74.4	74.6	75.2
18	Masonry	Mil. sh. ton	3.0	3.0	2.4	2.9	3.3	3.3	3.5
19	Clays	Mil. sh. ton	54.9	48.8	35.3	40.9	43.7	45.0	44.6
20	Diatomite	1,000 sh. ton	598	689	613	619	627	635	628
21	Feldspar	1,000 sh. ton	726	710	615	710	710	700	735
22	Fluorspar	1,000 sh. ton	269	93	77	61	72	66	78
23	Garnet (abrasive)	1,000 sh. ton	18.8	26.9	27.3	29.8	29.6	36.7	32.3
24	Gem stones (estimate)	(x)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
25	Gypsum	Mil. sh. ton	9.4	12.4	10.5	12.9	14.3	14.7	15.8
26	Helium [6]	Mil. cu. ft	4,600	1,458	1,248	1,299	1,642	1,865	1,941
27	Lime	Mil. sh. ton	19.7	19.0	14.1	14.9	15.9	15.7	14.5
28	Magnesium compounds [7]	1,000 sh. ton	708	(D)	(D)	618	(D)	(D)	(D)
29	Mica: Scrap	1,000 sh. ton	119	116	106	140	161	138	148
30	Peat	1,000 sh. ton	526	788	769	725	814	882	1,038
31	Perlite	1,000 sh. ton	456	638	506	474	498	518	507
32	Phosphate rock	Mil. sh. ton	38.7	60.0	41.2	46.9	54.2	56.0	44.4
33	Potash [8]	1,000 sh. ton	2,729	2,444	1,967	1,668	1,807	1,396	1,264
34	Pumice	1,000 sh. ton	3,036	543	416	449	502	508	554
35	Pyrites	1,000 lg. ton	(D)	834	665	(D)	(D)	(D)	(D)
36	Salt (common)	Mil. sh. ton	45.9	40.4	37.9	34.6	39.2	40.1	36.7
37	Sand and gravel	Mil. sh. ton	944	793	621	682	803	830	910
38	Sodium carbonate (natural)	1,000 sh. ton	2,688	(D)	(D)	(D)	(D)	(D)	(D)
39	Sodium sulfate (natural)	1,000 sh. ton	602	583	(D)	423	435	389	396
40	Stone [9]	Mil. sh. ton	869	982	791	863	957	1,002	1,024
41	Sulfur: Frasch mines (shipments)	1,000 lg. ton	6,504	7,283	3,541	4,046	4,922	4,604	4,043
42	Talc, soapstone, pyrophyllite	1,000 sh. ton	1,028	1,473	1,135	1,066	1,127	1,269	1,302
43	Tripoli	1,000 sh. ton	68	121	113	111	124	(D)	117
44	Vermiculite	1,000 sh. ton	285	337	316	282	315	314	317
45	Nonmetallic minerals, undistributed [10]	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
46	**Metals**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
47	Antimony ore and concentrate	Sh. ton [11]	1,130	343	503	838	557	(D)	(D)
48	Bauxite (dried)	1,000 lg. ton [13]	2,082	1,534	720	668	842	663	502
49	Copper [2]	1,000 sh. ton	1,720	1,302	1,264	1,144	1,215	1,219	1,265
50	Gold [2]	1,000 fine oz	1,743	970	1,466	2,003	2,085	2,427	3,733
51	Iron ore, usable [14]	Mil. lg. ton [15]	87.2	69.6	35.8	44.3	(D)	(D)	(D)
52	Lead [2]	1,000 sh. ton	572	607	565	495	356	456	375
53	Manganiferous ore [16]	1,000 sh. ton [15]	368	174	32	34	68	20	14
54	Mercury	76 lb. flask	27,296	30,657	25,760	25,070	19,048	16,530	(D)
55	Molybdenum [17]	Mil. lb	110	149	76	49	104	108	94
56	Nickel [18]	1,000 sh. ton	15.9	14.7	3.2	-	9.6	6.1	1.7
57	Silver [2]	Mil. fine oz	45.0	32.3	40.2	43.4	44.6	39.4	34.2
58	Titanium concentrate: ilmenite [2]	1,000 sh. ton [15]	921	594	233	(D)	(D)	(D)	(D)
59	Tungsten ore and concentrate	1,000 lb. [19]	9,312	6,036	3,473	2,240	2,652	2,106	1,720
60	Vanadium [2]	Sh. ton	5,319	4,806	4,098	2,171	1,617	(D)	(D)
61	Zinc mine production [2]	1,000 sh. ton	534	350	334	303	279	250	224
62	Metals, undistributed [10]	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)

- Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. X Not applicable. [1] 42 gal. bbl. [2] Recoverable content of ores, etc. [3] Grindstones, pulpstones, millstones, grinding pebbles, sharpening stones, and tubemill liners. [4] Contains bituminous limestone and sandstone, and gilsonite. [5] Value included in "Industrial minerals, undistributed." [6] 1970 and 1980, crude and refined; thereafter, refined only. [7] From sea water and brines, except for metals (M_xO equiv.). [8] K_2O equivalent; represents sales by producers. [9] Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.

AND PRINCIPAL PRODUCING STATES, 1986

[including consumption by producers). See *Historical Statistics, Colonial Times to 1970*, series M 13-37 for selected values]

PRODUCTION VALUE (mil. dol.)							Principal producing States ranked by quantity, **1986**	
1970	1980	1982	1983	1984	1985	1986		
28,369.7	**146,750.0**	**179,137.9**	**168,868.4**	**179,201.0**	**167,904.5**	(NA)	(x)	1
18,800.0	**121,616.0**	**159,470.9**	**147,748.4**	**156,040.0**	**144,671.5**	**93,801.7**	(x)	2
3,770.0	20,200.0	22,620.0	20,110.0	22,749.8	22,062.9	21,000.6	KY, WY, WV, PA, IL.	3
110.0	260.0	230.0	210.0	202.5	215.3	189.6	PA.	4
3,730.0	32,090.0	45,560.0	43,570.0	48,491.8	43,167.0	32,574.5	TX, LA, OK, NM.	5
11,190.0	67,930.0	90,030.0	83,050.0	84,110.0	78,870.7	39,631.7	TX, AK, LA, CA.	6
(NA)	1,136.0	1,030.9	808.4	485.9	355.6	405.3	NM, TX, WY.	7
5,791.2	**16,213.0**	**14,150.0**	**15,263.0**	**17,157.0**	**17,612.0**	(NA)	(x)	8
.6	1.9	.6	.5	.6	.5	(NA)	AR, WI, OH.	9
10.7	30.6	24.9	27.9	24.2	20.5	(NA)	CA and VT.	10
8.9	25.0	(D)	(5)	(5)	(5)	(NA)	TX and UT.	11
12.8	66.0	69.5	29.2	25.4	21.5	(NA)	NV, GA, MO, MT.	12
86.8	366.8	384.6	439.2	456.7	404.8	(NA)	CA.	13
60.6	95.4	102.6	91.0	95.0	80.0	(NA)	AR and MI.	14
15.2	47.9	61.5	(5)	93.0	(5)	(NA)	MI, CA, WA.	15
.2	2.6	3.4	–	–	–	(NA)	(x)	16
1,268.7	3,613.3	3,084.4	3,315.7	3,810.4	3,817.3	(NA)	TX, CA, PA, MI.	17
67.5	188.5	145.2	186.2	219.9	213.1	(NA)		18
267.9	898.9	825.1	931.1	1,032.1	1,011.4	(NA)	GA, TX, NC, WY.	19
32.6	100.6	107.6	114.3	120.9	127.0	(NA)	CA, NV, WA, OR.	20
9.6	23.2	20.3	22.5	23.5	22.8	(NA)	NC, CT, GA, CA.	21
13.9	12.6	13.3	10.0	(5)	(5)	(NA)	IL, NV, TX.	22
1.9	1.9	2.3	2.5	2.5	3.0	(NA)	ID, ME, NY.	23
2.4	6.9	7.2	7.4	7.5	7.4	(NA)	(x)	24
35.1	103.1	89.1	101.4	113.7	114.2	(NA)	TX, MI, IA, OK.	25
64.2	30.2	42.4	45.5	61.6	69.9	(NA)	KS, TX, NM.	26
286.2	842.9	696.2	757.6	811.2	809.0	(NA)	OH, KY, MD, PA.	27
62.4	(5)	(5)	182.5	(5)	(5)	(5)	MI, CA, UT, TX.	28
2.5	6.3	6.4	6.5	7.1	6.3	(NA)	NC, NM, SC, GA.	29
6.0	16.2	16.9	18.7	19.9	21.9	(NA)	MI, FL, IN, IL.	30
4.9	16.5	16.0	15.7	16.6	17.2	(NA)	NM, CA, AZ, NV.	31
203.2	1,256.9	950.3	1,021.1	1,182.2	1,203.3	(NA)	FL, NC, ID, TN.	32
98.1	353.9	265.6	220.8	241.8	178.4	(NA)	NM, UT, CA.	33
4.7	4.3	3.8	4.5	4.9	4.6	(NA)	OR, NM, CA, ID.	34
(5)	13.8	41.9	(5)	(5)	(5)	(NA)	TN, CO, AZ.	35
304.8	656.2	671.4	597.1	675.1	741.8	(NA)	LA, TX, NY, OH.	36
1,115.7	2,289.0	1,997.8	2,270.2	2,621.2	2,812.1	(NA)	CA, TX, MI, AZ.	37
56.3	(5)	(5)	(5)	(5)	(5)	(NA)	WY and CA.	38
10.9	36.4	(5)	39.4	40.1	35.9	(NA)	CA, TX, UT	39
1,474.9	3,393.5	3,056.0	3,474.8	3,910.5	4,224.7	(NA)	TX, FL, PA, GA.	40
151.8	720.5	434.7	414.2	546.1	573.6	(NA)	TX and LA.	41
7.8	25.6	20.7	20.3	23.2	29.2	(NA)	MT, TX, VT, NY.	42
.5	.7	.7	.7	.7	(5)	(NA)	IL and OK.	43
6.5	23.5	28.5	27.2	31.5	32.4	(NA)	MT, SC, VA.	44
34.4	941.2	950.3	867.5	937.9	1,007.9	(NA)	(x)	45
3,778.5	**8,921.0**	**5,517.0**	**5,857.0**	**6,004.0**	**5,621.0**	(NA)	(x)	46
(12)	(12)	(12)	(12)	(12)	(12)	(12)	ID.	47
30.1	22.4	12.3	11.3	15.6	12.9	10.4	AR and AL.	48
1,984.5	2,666.9	1,840.9	1,751.5	1,625.1	1,632.5	1,670.7	AZ, NM, MI, MT.	49
63.4	594.1	551.0	849.1	751.8	771.0	1,374.7	NV, CA, SD, MT.	50
941.7	2,543.5	1,491.7	1,938.5	(12)	(12)	(12)	MN, MI, MO.	51
178.6	515.2	288.6	214.7	181.7	174.0	165.2	MO, ID, CO, NY, MT.	52
(12)	2.4	.3	.2	.9	(D)	(D)	SC.	53
11.1	11.9	(12)	(12)	(12)	(12)	(12)	NV.	54
190.1	1,344.2	504.1	166.6	326.8	347.8	(NA)	CO, AZ, ID, NM.	55
(12)	(12)	(12)	–	(12)	(12)	(NA)	OR.	56
79.7	667.3	320.0	496.9	363.0	242.2	187.2	ID, NV, MT, AZ.	57
18.6	32.0	19.1	(12)	(12)	(12)	(12)	FL.	58
23.8	50.6	22.1	10.5	13.4	9.1	5.8	CA and CO.	59
34.9	64.4	52.6	30.7	(12)	(12)	(12)	ID CO, UT.	60
163.7	261.7	257.1	251.2	270.8	201.6	170.1	TN, MO, NY, CO.	61
58.4	144.8	157.6	135.6	2,428.0	2,235.0	1,563.0	(x)	62

[10] Comprises value of items that cannot be disclosed. [11] Antimony content. [12] Included with "Metals, undistributed." [13] Dried equivalent. [14] Represents shipments; includes byproduct ores. [15] Gross weight. [16] 5 to 35 percent manganiferous ore. [17] Content of concentrate. [18] Content of ore and concentrate. [19] Tungsten content.

Source: U.S. Bureau of Mines, *Minerals Yearbook*. Beginning 1980 for mineral fuels, U.S. Energy Information Administration, *Annual Energy Review, Uranium Industry Annual; Petroleum Supply Annual*, vol. 1; *Natural Gas Annual;* and *Quarterly Coal Report*.

NO. 1178. MINERAL PRODUCTION—VALUE, 1980 TO 1986, AND PRINCIPAL MINERALS IN ORDER OF VALUE, 1986, BY STATE

[In millions of dollars. Data for States may not add to total because State and U.S. totals were independently derived. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	1980	1983	1984	1985	1986			
					Total	Fuels	Non-fuels	Principal minerals in order of value
U.S.	**146,750**	**168,868**	**179,201**	**167,905**	(NA)	**93,393**	**23,452**	Petroleum, natural gas (wet), coal.
Region:								
Northeast	4,710	4,476	5,131	5,007	(D)	2,709	(D)	(X)
Midwest	16,286	17,128	18,842	17,667	(D)	(D)	(D)	(X)
South	78,072	(D)	(D)	(D)	(D)	(D)	(D)	(X)
West	39,262	(D)	(D)	(D)	(D)	(D)	(D)	(X)
N.E.	**268**	**262**	**305**	**325**	**375**	-	**375**	(X)
ME	37	26	36	41	53	-	53	Cement, sand and gravel, stone.
NH	25	19	23	33	39	-	39	Sand and gravel, stone, clays.
VT	43	42	45	50	55	-	55	Stone, sand and gravel, talc.
MA	91	96	107	117	134	-	134	Sand and gravel, stone, lime.
RI	6	8	12	12	14	-	14	Sand and gravel, stone, gem stone.
CT	66	71	80	72	80	-	80	Stone, sand and gravel, feldspar.
M.A.	**4,442**	**4,214**	**4,826**	**4,682**	**4,416**	**2,709**	**1,707**	(X)
NY	557	603	736	790	792	114	678	Stone, cement, salt.
NJ	149	155	156	178	186	-	186	Stone, sand and gravel, zinc.
PA	3,736	3,456	3,934	3,714	3,438	2,595	843	Coal, natural gas, cement.
E.N.C.	**9,005**	**9,145**	**10,423**	**9,836**	(D)	**5,896**	**2,803**	(X)
OH	2,390	2,511	2,867	2,746	2,507	1,897	610	Coal, natural gas, petroleum.
IN	1,106	1,187	1,391	1,327	1,200	895	305	Coal, stone, cement.
IL	2,770	2,929	3,212	3,101	2,714	2,244	470	Coal, petroleum, stone.
MI	2,587	2,417	2,824	2,537	2,114	861	1,253	(NA)
WI	152	101	129	125	165	-	165	Sand and gravel, stone, lime.
W.N.C.	**7,281**	**7,983**	**8,425**	**7,831**	(D)	(D)	**2,792**	(X)
MN	1,782	1,455	1,676	1,548	1,128	-	1,128	Iron ore, sand and gravel, stone.
IA	265	257	266	243	262	13	249	Stone, cement, sand and gravel.
MO	1,172	866	906	893	(D)	(D)	749	(NA)
ND	801	1,842	1,887	1,700	962	941	21	Petroleum, coal, natural gas.
SD	250	261	244	254	261	28	233	(NA)
NE	272	283	285	283	191	97	94	Petroleum, cement, sand and gravel.
KS	2,740	3,019	3,161	2,910	1,881	1,563	318	Petroleum, natural gas, cement.
S.A.	**10,528**	(D)	(D)	**10,580**	(D)	(D)	**3,988**	(X)
DE [1]	2	3	3	4	4	-	4	Magnesium compounds, sand and gravel, greensand.
MD	293	285	356	338	413	100	313	Stone, coal, cement.
VA	1,706	1,405	1,614	1,649	(D)	(D)	393	(NA)
WV	4,860	4,677	5,157	5,005	4,699	4,569	130	Coal, natural gas, petroleum.
NC	380	399	451	433	466	-	466	Stone, phosphate, lithium.
SC	195	231	276	276	296	-	296	Cement, stone, clays.
GA	771	(D)	(D)	946	1,091	-	1,091	Clays, stone, cement.
FL	2,317	1,704	1,990	1,929	(D)	(D)	1,295	Phosphate, cement, stone.
E.S.C.	**8,316**	**8,759**	**9,790**	**9,486**	(D)	(D)	**1,255**	(X)
KY	4,498	4,310	4,991	4,880	4,482	4,215	267	Coal, stone, natural gas.
TN	674	639	734	715	(D)	(D)	482	(NA)
AL	1,994	2,306	2,531	2,550	2,062	1,657	405	Coal, natural gas, petroleum.
MS	1,150	1,504	1,534	1,341	803	702	101	Petroleum, natural gas, sand and gravel.
W.S.C.	**59,228**	(D)	(D)	(D)	(D)	(D)	**2,669**	(X)
AR	787	(D)	(D)	(D)	(D)	(D)	263	(NA)
LA	16,396	29,063	31,715	(D)	(D)	(D)	447	(NA)
OK	7,336	9,942	10,693	9,361	5,749	5,502	247	Natural gas, petroleum, stone.
TX	34,710	42,515	43,418	40,178	24,649	22,937	1,712	Petroleum, natural gas, coal.
Mt	**18,862**	(D)	(D)	(D)	(D)	(D)	**4,929**	(X)
MT	1,331	1,671	1,650	1,517	1,134	897	237	(NA)
ID	522	415	412	348	247	-	247	Silver, phosphate, molybdenum.
WY	5,133	6,677	7,143	6,572	3,598	3,042	556	Coal, petroleum, natural gas.
CO	2,544	2,117	2,255	2,125	1,464	1,094	370	Petroleum, coal, natural gas.
NM	4,789	5,487	5,924	5,650	3,462	2,850	612	Natural gas, petroleum, coal.
AZ	2,476	(D)	(D)	(D)	(D)	(D)	1,556	(NA)
UT	1,661	2,035	2,134	1,943	1,461	1,087	374	Petroleum, coal, natural gas.
NV	408	629	685	710	(D)	(D)	977	(NA)
Pac	**20,400**	(D)	(D)	(D)	(D)	(D)	**2,933**	(X)
WA	207	(D)	(D)	(D)	(D)	(D)	377	(NA)
OR	152	111	128	140	135	9	126	Stone, sand and gravel, cement.
CA	10,483	11,979	12,907	(D)	8,262	5,993	2,269	Petroleum, natural gas, cement.
AK	9,498	(D)	(D)	(D)	(D)	(D)	91	(NA)
HI	60	52	51	53	70	-	70	Stone, cement, sand and gravel.

- Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. X Not applicable.

[1] Partial data only.

Source: U.S. Bureau of the Census. Compiled from data from U.S. Bureau of Mines and U.S. Energy Information Administration.

No. 1179. MINERAL INDUSTRIES—GROSS ASSETS AND CAPITAL EXPENDITURES: 1972 TO 1982

[In millions of dollars]

INDUSTRY AND YEAR	END OF YEAR GROSS VALUE OF DEPRECIABLE ASSETS					CAPITAL EXPENDITURES					
	Total [1]	Buildings and other structures	Machinery and equipment	Mineral exploration and development [1]	Mineral land and rights [1]	Total [2]	New buildings and other structures	New machinery and equipment	Used buildings and other structures	Used machinery and equipment	Mineral exploration and development [2]
eral industries: [3]											
972	21,690	4,244	15,038	(4)	[4] 2,409	2,802	317	1,407	(4)	[4] 128	230
977	44,664	6,099	33,068	2,625	2,871	6,802	785	5,068	30	399	520
982	94,613	10,228	73,419	5,036	5,930	13,472	1,229	10,551	78	937	677
de petroleum, natural gas:											
972	47,500	(NA)	(NA)	(NA)	(NA)	2,954	403	842	(4)	[4] 44	1,666
977	94,414	(NA)	(NA)	(NA)	(NA)	10,916	571	2,269	14	93	7,969
982	233,052	(NA)	(NA)	(NA)	(NA)	34,281	1,967	5,550	20	215	26,529

A Not available. [1] Excludes data for mineral exploration and development, and mineral land and rights portions for mining vice industries and natural gas liquids industry. [2] Excludes data for mineral exploration and development portion for mining vice industries and natural gas liquids industry. [3] Excludes crude petroleum and natural gas. [4] Not collected separately. ta for mineral exploration and development are combined with mineral land and rights. Data for used buildings and other uctures are combined with used machinery and equipment.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1982.*

No. 1180. MINERAL INDUSTRIES—EMPLOYMENT, HOURS, AND EARNINGS: 1984 TO 1987

ITEM	Unit	1984	1985	1986	1987
l mining:					
All employees	1,000	966	927	777	721
Production workers	1,000	686	658	545	515
Average weekly hours	No	43.3	43.4	42.2	42.4
Avg. weekly earnings	Dol	504	520	526	531
al mining:					
All employees	1,000	196	187	176	163
Production workers	1,000	158	153	144	133
Average weekly hours	No	40.8	41.3	40.8	42.2
Avg. weekly earnings	Dol	603	626	625	662
l and gas extraction:					
All employees	1,000	607	583	451	405
Production workers	1,000	405	387	287	264
Average weekly hours	No	44.4	44.2	42.6	41.7
Avg. weekly earnings	Dol	476	489	495	480

ITEM	Unit	1984	1985	1986	1987
Metal mining:					
All employees	1,000	55	46	41	43
Production workers	1,000	40	34	31	33
Average weekly hours	No	40.5	40.9	41.1	42.0
Avg. weekly earnings	Dol	529	547	542	542
Nonmetallic minerals, except fuels:					
All employees	1,000	109	110	110	110
Production workers	1,000	83	84	83	84
Average weekly hours	No	44.7	44.5	44.5	45.4
Avg. weekly earnings	Dol	441	453	462	482

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings, United States 1909–1984,* and *Supplement to Employment d Earnings, Revised Establishment Data,* August 1988.

No. 1181. SELECTED MINERAL PRODUCTS—AVERAGE PRICES: 1970 TO 1987

[Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970,* series M 96, M 139, M 209, M 248, and M 262, for bituminous coal, crude petroleum, iron ore, lead, and aluminum, respectively]

YEAR	Tantalum (dol. per lb.) [1]	Copper, electrolytic [2] (cents per lb.)	Platinum [3] (dol./troy oz.)	Gold (dol./fine oz.)	Silver (dol./fine oz.)	Lead [4] (cents per lb.)	Tin (New York) [5] (cents per lb.)	Zinc [6] (cents per lb.)	Sulfur, crude [7] (dol./metric ton)	Bituminous coal [8] (dol./short ton)	Crude petroleum [8] (dol./bbl.)	Natural gas [8] (dol./thous. cu. ft.)
970	9.15	58.2	133	36	1.77	15.7	174.2	15.3	[9] 22.77	6.26	3.18	.17
975	18.32	64.2	164	161	4.42	21.5	339.8	39.0	[9] 44.91	19.23	7.67	.45
976	20.31	69.6	162	125	4.35	23.1	379.8	37.1	[9] 45.72	19.43	8.19	.58
977	25.64	66.8	162	148	4.62	30.7	534.6	34.4	[9] 44.38	19.82	8.57	.79
978	34.19	66.5	237	194	5.40	33.7	629.6	31.0	45.17	21.78	9.00	.91
979	80,00	93.3	352	308	11.09	52.6	753.9	37.3	55.75	23.65	12.64	1.18
980	126.37	101.3	439	613	20.63	42.5	846.0	37.4	89.06	24.52	21.59	1.59
981	99.51	84.2	475	460	10.52	36.5	733.0	44.6	111.48	26.29	31.77	1.98
982	49.95	72.8	475	376	7.95	25.5	654.0	38.5	108.27	27.14	28.52	2.46
983	30.60	76.5	475	424	11.44	21.7	655.0	41.4	87.24	25.85	26.19	2.59
984	37.44	66.8	475	361	8.14	25.6	623.8	48.6	94.31	25.51	25.88	2.66
985	33.68	67.0	475	318	6.14	19.1	595.9	40.4	106.46	25.10	24.09	2.51
986	23.74	66.1	519	368	5.47	22.1	383.0	38.0	105.22	23.70	12.51	1.94
987, prel.	27.08	82.5	600	448	7.01	35.9	419.0	41.9	89.78	23.00	15.41	1.71

[1] Dollars per pound of tantalum content. [2] Domestic market. [3] Average annual producer prices. [4] 1970, New York ices; beginning 1975, nationwide delivered basis. [5] Straits tin through 1975; thereafter, composite price. [6] Prime western. ginning 1975, delivered price. [7] F.O.B. works. [8] Average value at the point of production. Source: U.S. Energy ormation Administration, *Annual Energy Review.* [9] Per long ton.

Source: Except as noted, U.S. Bureau of Mines, *Mineral Facts and Problems,* 1980 edition, and *Mineral Commodity Summaries,* nual.

No. 1182. Principal Fuels, Nonmetals, and Metals—U.S. Production as Percent of World Production: 1970 to 1986

MINERAL	WORLD PRODUCTION							PERCENT U.S. OF WORLD				
	Unit	1970	1980	1983	1984	1985	1986, prel.	1970	1980	1983	1984	1985
Fuels: [1]												
Coal	Bil. sh. ton	3.3	4.2	4.4	4.6	4.8	5.0	18	20	18	19	18
Petroleum (crude)	Bil. bbl	16.7	21.8	19.3	19.7	19.4	20.3	21	14	16	16	17
Natural gas (dry, marketable)	Tril. cu. ft	37.7	53.3	54.5	59.3	62.2	63.3	58	36	29	29	28
Natural gas plant liquids	Bil. bbl	(NA)	1.3	1.4	1.6	1.6	1.7	(NA)	44	40	37	36
Nonmetals:												
Asbestos	Mil. metric ton	3.5	4.7	4.3	4.1	4.7	4.5	3	2	2	1	1
Barite	Mil. sh. ton	4.3	8.3	6.0	6.4	6.6	5.4	20	27	13	12	11
Feldspar	Mil. sh. ton	2.8	3.5	3.9	4.2	4.5	4.6	26	20	18	17	16
Fluorspar	Mil. sh, ton	4.6	5.3	4.7	5.3	5.4	5.4	4	2	1	1	1
Gypsum	Mil. sh. ton	56.9	86.5	86.5	89.0	93.8	96.5	17	13	15	18	18
Mica (incl. scrap)	1,000 sh. ton	180	251	268	304	278	290	66	46	53	53	50
Nitrogen, agricultural [2]	Mil. sh. ton	33.4	81.4	87.6	94.9	97.0	95.9	25	20	13	14	14
Phosphate rock	Mil. metric ton	85	139	139	150	147	137	41	39	31	33	35
Potash (K_2O equiv.)	Mil. metric ton	18.2	27.9	27.4	29.3	29.0	28.2	14	8	5	5	4
Sulfur, elemental	Mil. metric ton	41.9	54.9	50.3	52.6	54.6	54.2	23	22	18	20	21
Metals, mine basis:												
Bauxite	Mil. metric ton	57.8	89.2	78.9	88.2	84.3	85.9	4	2	1	1	1
Columbian concentrates (columbian content)	Mil. lb	(NA)	33.4	18.9	32.8	35.1	33.1	(NA)	-	-	-	-
Copper [3]	Mil. metric ton	6.0	7.7	7.7	8.0	8.1	8.2	26	15	13	14	14
Gold	Mil. troy oz	47.5	39.2	44.9	46.4	48.7	50.9	4	2	4	4	5
Iron ore	Mil. lg. ton	754	877	729	822	840	848	12	8	5	6	6
Lead [3]	Mil. metric ton	3.4	3.4	3.4	3.3	3.4	3.2	15	16	14	10	13
Mercury	1,000 flask [4]	284	197	181	195	196	176	10	16	14	10	9
Molybdenum [3]	Mil. lb	181	242	140	215	216	206	61	62	24	48	50
Nickel [3]	1,000 sh. ton	693	858	742	847	882	836	2	2	-	2	1
Silver	Mil. troy oz	301	344	392	415	421	420	15	9	11	11	9
Tantalum concentrates (tantalum content)	Mil. lb	(NA)	1.2	.7	.7	.7	.4	(NA)	-	-	-	-
Titanium concentrates: Ilmenite	Mil. sh. ton	[5] 4.0	4.1	3.0	3.4	3.8	3.8	23	14	(NA)	(NA)	(NA)
Tungsten	Mil. lb	71.4	114.6	90.2	101.7	102.5	93.6	13	5	2	3	2
Vanadium [3]	1,000 sh. ton	19.9	38.3	30.9	34.3	32.2	32.5	26	13	7	5	(NA)
Zinc [3]	Mil. metric ton	5.5	6.0	6.2	6.8	6.9	6.8	9	5	5	4	5
Metals, smelter basis:												
Aluminum	Mil. sh. ton	10.6	16.9	13.9	17.3	16.9	16.9	37	30	24	26	23
Cadmium	Mil. lb	36.5	40.2	36.9	42.3	41.1	40.2	26	9	6	9	9
Copper	Mil. metric ton	6.1	7.9	8.1	8.3	8.6	8.6	24	13	12	14	14
Iron, pig (incl. ferroalloys)	Mil. sh. ton	474	565	510	547	555	547	19	12	10	10	9
Lead	Mil. metric ton	3.3	5.4	5.3	5.5	5.6	5.4	18	23	19	20	20
Magnesium	1,000 sh. ton	242	348	286	360	362	359	46	49	40	44	41
Steel ingots and castings	Mil. sh. ton	655	787	731	782	790	781	20	14	12	12	11
Tin	1,000 m. ton [6]	227	249	212	200	197	190	(NA)	1	1	2	2
Zinc	Mil. metric ton	4.8	6.0	6.2	6.5	6.9	6.8	18	6	5	5	5

- Represents zero. NA Not available. Z Less than .5 percent. [1] Source: Beginning 1980, Energy Informatio Administration, *International Energy Annual*. [2] For fiscal years ending in year shown; see text, section 9. U.S. productio includes Puerto Rico. [3] Content of ore and concentrate. [4] 76-lb. flasks. [5] Excludes Soviet Union. [6] Metric tons.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*, annual.

No. 1183. Federal Strategic and Critical Materials Inventory: 1980 to 1987

[As of **Dec. 31.** Covers strategic and critical materials essential to military and industrial requirements in time of national emergency. Market values are estimated current trade values of similar materials and not necessarily amounts that would be realized at time of sale]

MINERAL	QUANTITY [1]						VALUE (mil. dol.)			
	Unit	1980	1984	1985	1986	1987	1980	1984	1985	1986
Tin	1,000 lg. ton	200	186	185	181	177	3,158	2,335	2,324	1,024
Silver	1,000 troy oz	139,500	136,506	136,006	130,006	113,682	2,288	996	801	730
Cobalt	Mil. lb	41	46	53	53	53	1,020	508	590	600
Bauxite [2]	1,000 lg. ton	14,333	16,954	17,957	18,212	18,212	583	779	871	668
Manganese [3]	1,00u sh. ton	3,495	4,361	4,470	4,285	4,210	540	506	520	522
Tungsten [4]	Mil. lb	62	86	87	86	84	533	505	369	260
Zinc	1,000 sh. ton	378	378	378	378	378	313	343	268	347
Titanium	1,000 sh. ton	21	32	37	37	37	301	386	405	278
Platinum	1,000 troy oz	440	453	453	453	453	209	147	154	270
Chromium [5]	1,000 sh. ton	763	784	834	883	919	747	796	836	670
Diamond:										
Stones	Carat	19,224	14,047	12,549	11,049	9,550	349	357	336	315
Industrial, bort	Carat	23,693	22,001	22,001	22,001	22,001	73	39	39	39

[1] Consists of stockpile and nonstockpile grades and reflects uncommitted balances. [2] Consists of abrasive grade, metallic grade Jamaica, metallic grade Suriname, and refractory. [3] Consists of chemical grade, dioxide battery natural, dioxide battery synthetic, electrolytic, ferro-high carbon, ferro-med. carbon, ferro-silicon, and metal. [4] Consists of carbide powder, ferro, metal powder, and ores and concentrates. [5] Consists of ferro-high carbon, ferro-low carbon, ferro-silicon, and metal.

Source: U.S. General Services Administration, *Statistical Supplement, Stockpile Report to the Congress* (AP-3).

No. 1184. SELECTED MINERAL AND METAL PRODUCTS—QUANTITY AND VALUE OF IMPORTS AND EXPORTS: 1980 TO 1986

[Imports represent imports for consumption. Exports include shipments under foreign aid programs. Includes trade of Puerto Rico with foreign countries]

PRODUCT	QUANTITY						VALUE (mil. dol.)				
	Unit	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
IMPORTS											
Petroleum (crude) [1]	Mil. bbl	1,975	1,283	1,317	1,625	1,626	61,899	36,492	37,859	22,608	22,606
Gem stones: Diamonds	Mil. carat	4.2	6.3	8.2	8.2	9.2	2,251	2,275	2,905	3,007	3,460
Ores and concentrates:											
Chromium (Cr_2O_3 content)	1,000 sh. ton	410	86	134	176	214	57	10	15	20	22
Copper	1,000 sh. ton	58	100	12	3	5	73	82	10	2	3
Iron	Mil. lg. ton	25.1	13.2	17.2	15.8	16.7	773	446	529	452	460
Tungsten	Mil. lb	11.4	6.3	12.8	10.5	5.6	87	26	52	37	14
Metals:											
Aluminum	1,000 sh. ton	581	819	972	958	1,487	778	1,021	1,293	1,017	1,663
Cobalt	Mil. lb	15.0	15.9	23.3	16.6	11.7	359	110	203	181	83
Copper refined ingots, etc	1,000 sh. ton	471	507	490	416	553	935	701	621	492	677
Gold (bullion)	Mil. troy oz	4.1	3.6	6.0	6.4	13.8	2,507	1,576	2,294	2,109	5,107
Iron and steel products (major)	Mil. sh. ton	16.2	17.8	27.3	25.5	21.7	7,713	7,129	11,356	10,874	9,196
Platinum group [2]	Mil. troy oz	3.5	3.2	4.5	4.0	4.5	1,177	753	1,118	1,026	1,347
Silver (bullion)	Mil. troy oz	64.9	161.2	93.5	137.4	125.4	1,332	1,926	785	856	688
Zinc: Blocks, pigs, slabs	1,000 sh. ton	452	681	705	673	733	319	504	636	508	487
EXPORTS											
Fuels: [1]											
Bituminous coal	Mil. sh. ton	89.9	76.9	80.8	84.0	84.0	4,523	4,008	4,090	3,862	3,862
Petroleum (crude)	Mil. bbl	30.6	6.8	5.8	6.0	6.0	751	224	185	117	117
Nonmetallic minerals:											
Gem stones: Diamonds	Mil. carat	1.3	2.5	2.3	2.4	2.5	1,041	622	575	571	786
Nitrogen compounds (maj.)	Mil. sh. ton	11.1	7.5	10.4	10.8	7.8	1,842	1,050	1,635	1,553	(NA)
Phosphatic fertilizers [3]	Mil. sh. ton	7.2	6.6	8.2	6.1	5.8	1,383	895	1,350	1,225	797
Metals:											
Aluminum: Ingots, slabs, crude	1,000 sh. ton	715	398	286	383	231	1,107	534	397	442	283
Plates, sheets, bars, etc	1,000 sh. ton	306	179	219	185	198	716	389	497	411	443
Gold (refined bullion)	Mil. troy oz	4.7	1.9	3.5	2.9	3.2	2,787	825	1,285	919	1,208
Iron and steel products (major)	Mil. sh. tnn	4.5	1.4	1.2	1.1	1.1	3,504	1,609	1,416	1,321	1,300
Magnesium [4]	1,000 sh. ton	56.8	46.7	48.3	40.3	44.0	128	125	137	114	122
Molybdenum [5]	1,000 lb	614	577	306	574	1,000	5	2	1	2	3
Silver (refined bullion)	Mil. troy oz	57.2	13.7	10.3	12.6	10.1	1,327	169	86	82	57
Scrap exports:											
Aluminum	1,000 sh. ton	445	262	285	413	387	483	249	276	351	333
Iron and steel	Mil. sh. ton	11.4	7.8	9.8	10.2	12.0	1,257	651	938	940	1,082

NA Not available. [1] Source: U.S. Bureau of the Census, *U.S. Imports for Consumption and General Imports, TSUSA Commodity and Country*, FT 246, annual; and *U.S. Exports, Schedule B Commodity and Country*, FT 446, annual. [2] Unwrought and semimanufactured. [3] Superphosphates and ammonium phosphates. [4] Metal and alloys, scrap, semimanufactured forms. [5] Metals and alloys, crude and scrap.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1185. MINERAL INDUSTRIES—LOST WORKDAY INJURIES AND FATALITIES: 1980 TO 1987

[Excludes office workers. Lost workday injuries are nonfatal occurrences that result in days away from work, days of restricted work activity or a permanent disability. Data for all years includes injuries to independent contractors at mine sites. Beginning with 1983, rates for the non-coal industries are based only on employment and hours worked by mine employees. See also *Historical Statistics, Colonial Times to 1970*, series M 271-286]

ITEM	1980	1985	1986	1987 [1]
Coal mining:				
Injuries, total	18,822	9,141	9,492	11,730
Fatal	133	68	88	63
Percent of total	.7	.7	.9	.5
Rate per million work-hours:				
Fatal	.3	.2	.3	.2
Nonfatal	43	27	29	40
Fatalities per 1,000 employed [2]	.55	.36	.50	.37
Quarrying and related industries: [3]				
Injuries, total	3,551	2,571	2,819	3,146
Fatal	42	26	20	22
Percent of total	1.2	1.0	.7	.7
ITEM	1930	1985	1986	1987 [1]
Quarrying and related industries—Con.				
Rate per million work-hours:				
Fatal	.3	.2	.1	.2
Nonfatal	21	19	20	23
Fatalities per 1,000 employed [2]	.5	.4	.3	.3
Metal and nonmetal mining: [4]				
Injuries, total	6,923	2,234	2,216	2,812
Fatal	46	22	16	26
Percent of total	.7	1.0	.7	.9
Rate per million work-hours:				
Fatal	.2	.2	.1	.2
Nonfatal	28	17	18	22
Fatalities per 1,000 employed [2]	.3	.3	.3	.4

[1] Preliminary. [2] Average number of persons at work each day mines were active. [3] Includes cement. [4] Nonmetal mines exclude extraction of Frasch process sulfur.

Source: U.S. Mine Safety and Health Administration, Denver, CO, unpublished data.

NO. 1186. NET U.S. IMPORTS OF SELECTED MINERALS AND METALS AS PERCENT OF APPARENT CONSUMPTION, 1970 TO 1986, AND BY MAJOR FOREIGN SOURCES, 1982-1985

[In percent. Figures based on net imports which equal the difference between imports and exports plus or minus government stockpile and industry stock changes]

MINERAL	1970	1980	1982	1983	1984	1985	1986	Rank of major foreign sources, 1982-1985
Columbium	100	100	100	100	100	100	100	Brazil, Canada, Thailand.
Mica (sheet)	100	100	100	100	100	100	(NA)	India, Belgium, France.
Strontium	100	100	100	100	100	100	(NA)	Mexico, Spain.
Manganese	95	98	99	99	98	100	100	**Ore:** Gabon, Brazil, South Africa.
Bauxite [1]	88	94	96	96	96	96	96	**Bauxite:** Guinea, Jamaica, Brazil; **Alumina:** Australia, Jamaica, Suriname.
Platinum group	78	88	81	89	89	92	92	South Africa, United Kingdom, Soviet Union.
Tantalum	96	90	92	97	92	89	91	Thailand, Brazil, Australia.
Cobalt	98	93	92	95	95	94	85	Zaire, Zambia, Canada.
Potassium	42	65	65	75	74	77	(NA)	Canada, Israel.
Chromium	89	91	85	76	80	75	79	South Africa, Turkey, Zimbabwe.
Nickel	71	71	76	75	68	72	75	Canada, Australia, Botswana.
Tin	81	79	68	73	74	72	74	Thailand, Malaysia, Bolivia, Indonesia.
Asbestos	83	78	74	65	75	71	(NA)	Canada, South Africa.
Zinc	54	60	58	65	68	70	73	**Ore:** Canada, Mexico, Honduras; **Metal:** Canada, Mexico, Peru.
Barium	45	44	55	65	69	69	(NA)	Canada, Morocco, Chile.
Titanium [2]	24	32	74	(D)	(D)	(D)	(D)	Australia, Canada, South Africa.
Silver	26	7	55	59	58	59	71	Canada, Mexico, United Kingdom.
Tungsten	50	53	42	52	70	68	70	Canada, China: Mainland, Bolivia.
Antimony	40	48	50	54	58	(D)	(D)	**Metal:** China: Mainland, Mexico, Bolivia; **Ore:** Bolivia, Mexico, China.
Mercury	41	26	32	30	57	50	(D)	Spain, Algeria, Japan.
Cadmium	7	55	73	72	51	57	66	Canada, Australia, Mexico.
Selenium	11	59	55	39	47	(D)	(D)	Canada, United Kingdom, Japan.
Vanadium	21	35	24	26	54	(D)	(D)	**Minerals:** South Africa, Venezuela; **Chemicals:** E.E.C.[3], Canada, South Africa.
Gypsum	39	35	36	40	38	38	(NA)	Canada, Mexico, Spain.
Petroleum [4] [5]	23	39	30	30	32	29	36	Mexico, Canada, Venezuela.
Iron ore	30	25	34	37	19	21	33	Canada, Brazil, Venezuela.
Copper	([6])	14	1	19	23	28	27	Chile, Canada, Peru.
Aluminum	([6])	([6])	7	17	7	16	26	Canada, Japan, Ghana.
Iron and steel	4	15	20	16	23	22	21	E.E.C.[3], Japan, Canada.
Sulfur	([6])	14	4	15	16	5	(NA)	Canada, Mexico.
Natural gas [5]	4	5	5	5	4	5	4	Canada, Algeria.

D Withheld to avoid disclosure. NA Not available. [1] Includes alumina. [2] Ilmenite. [3] European Economic Community. [4] Includes crude and products. [5] Source: Beginning 1980, Energy Information Administration, *International Energy Annual.* [6] Net exports.

Source: Except as noted, U.S. Bureau of Mines, *Mineral Commodity Summaries;* import and export data from U.S. Bureau of the Census.

NO. 1187. PETROLEUM INDUSTRY—SUMMARY: 1970 TO 1987

ITEM	1970 [1]	1973	1975	1980	1981	1982	1983, est.	1984, est.	1985, est.	1986, est.	1987, prel.
Crude oil producing wells, total (Dec. 31) (1,000)	531	497	500	548	557	580	603	621	647	623	620
Daily output per well (bbl.)	18.0	18.3	16.8	15.9	15.4	14.9	14.4	14.3	13.9	13.9	13.4
Completed wells drilled, total (1,000)	28	28	39	70	90	84	75	84	69	38	34
Crude oil (1,000)	13	10	17	32	43	39	37	42	35	18	16
Gas (1,000)	4	7	8	17	20	19	14	17	14	8	8
Dry (1,000)	11	10	14	20	27	26	23	25	20	12	11
Crude oil production, total (mil. bbl.)	3,517	3,361	3,057	3,146	3,129	3,157	3,171	3,250	3,275	3,168	3,047
Value at wells (bil. dol.)	11.2	13.1	23.5	67.9	99.4	90.0	83.1	84.1	78.9	40.0	46.7
Average price per barrel (dol.)	3.18	3.89	7.67	21.59	31.77	28.52	26.19	25.88	24.09	12.51	15.41
Refinery input of crude oil	3,968	4,537	4,541	4,934	4,552	4,297	4,265	4,408	4,381	4,641	4,682
Imports: Crude oil (mil. bbl.)	483	1,184	1,498	1,926	1,605	1,273	1,215	1,254	1,168	1,525	1,706
Refined petroleum products (mil. bbl.)	765	1,099	712	603	584	593	629	736	681	747	731
Import value (mil. dol.)	2,743	7,738	25,059	74,440	75,576	59,587	51,333	54,310	50,368	34,790	44,279
Export value (mil. dol.)	520	575	1,007	2,871	3,815	6,330	5,100	4,801	5,121	3,883	3,922
Operable refineries, number	276	268	279	319	324	301	258	247	223	216	219
Capacity (Jan. 1) (mil. bbl.)	4,388	4,979	5,461	6,584	6,796	6,530	6,154	5,907	5,716	5,643	[illegible]
Output (mil. bbl.)	4,421	5,057	4,995	5,352	5,106	4,888	4,795	5,007	5,019	5,301	5,339
Utilization rate (per cent)	92.6	93.9	85.5	75.4	68.6	69.9	71.7	76.2	77.6	82.9	82.8
Proved reserves (bil. bbl.)	39.0	35.3	32.7	29.8	29.4	27.9	27.7	28.4	28.4	26.9	(NA)

NA Not available. [1] Represents peak year for U.S. crude oil production.

Source: U.S. Energy Information Administration, *Annual Energy Review,* and *Petroleum Supply Annual.*

No. 1188. U.S. Petroleum Balance: 1980 to 1987

[In millions of barrels]

ITEM	1980	1981	1982	1983	1984	1985	1986	1987
Petroleum products supplied	**6,242**	**5,861**	**5,583**	**5,559**	**5,756**	**5,740**	**5,942**	**6,083**
ew supply of products	6,249	5,828	5,499	5,471	5,800	5,676	5,995	6,053
Production of products	5,765	5,432	5,204	5,160	5,392	5,363	5,604	5,680
Crude input to refineries	4,934	4,552	4,297	4,265	4,408	4,381	4,641	4,692
Oil, field production	3,146	3,129	3,157	3,171	3,250	3,275	3,168	3,047
Alaska	592	587	619	626	631	666	681	716
Lower 48 States	2,555	2,541	2,538	2,545	2,619	2,608	2,487	2,331
Net imports	1,821	1,522	1,187	1,155	1,188	1,094	1,468	1,651
Imports (gross excluding SPR) [1]	1,910	1,511	1,213	1,130	1,182	1,125	1,507	1,679
SPR [1] imports	16	93	60	85	72	43	18	27
Exports	–105	83	86	60	66	75	56	55
Other sources	33	–98	–46	61	29	12	4	7
Natural gas plant liquids (NGPL), supply	577	593	578	570	596	604	575	585
Other liquids	253	287	328	326	371	378	388	403
Net imports of refined products	484	397	295	311	407	313	391	373
Imports	578	531	506	520	604	523	621	596
Exports	94	134	211	210	197	210	229	223
tock withdrawal, refined products	–7	33	84	88	–44	64	–53	30
Ending stocks, all oils	1,392	1,484	1,430	1,454	1,556	1,519	1,593	1,607
rude oil and lease condensate	358	363	350	344	345	321	331	349
rategic petroleum reserve (SPR) [1]	108	230	294	379	451	493	512	541
nfinished oils	124	111	105	108	94	107	94	93
asoline blending components	17	50	42	38	39	33	39	38
entanes plus	(NA)	16	11	16	8	8	7	7
inished refined products	785	713	628	569	621	557	609	580
PRODUCT TYPE SUPPLIED								
Total products	**6,242**	**5,861**	**5,583**	**5,559**	**5,756**	**5,740**	**5,942**	**6,083**
inished motor gasoline	2,407	2,404	2,387	2,417	2,449	2,493	2,567	2,630
istillate fuel oil	1,049	1,032	975	982	1,041	1,047	1,064	1,086
esidual fuel oil	918	762	627	519	501	439	518	462
iquified petroleum gases [2]	414	535	547	551	576	584	552	588
entanes plus, other liquids, etc	1,454	1,128	1,047	1,067	1,165	1,155	1,223	1,304
rude oil	(NA)	(NA)	(NA)	24	23	22	18	12

NA Not available. [1] SPR=Strategic petroleum reserve. For more information, see table 947. [2] Includes ethane.

Source: U.S. Energy Information Administration, *Petroleum Supply,* annual.

No. 1189. Crude Petroleum and Natural Gas—Production, by State: 1980 to 1987

[See *Historical Statistics, Colonial Times to 1970,* series M 138 and M 142 for petroleum production, and series M 147-161 for natural gas production]

STATE	CRUDE PETROLEUM PRODUCTION (mil. bbl.)							NATURAL GAS MARKETED PRODUCTION [1] (bil. cu. ft.)						
	1980	1982	1983	1984	1985	1986	1987	1980	1982	1983	1984	1985	1986	1987, prel.
Total [2]	**3,147**	**3,157**	**3,171**	**3,241**	**3,274**	**3,168**	**3,047**	**20,180**	**18,520**	**16,822**	**18,230**	**17,198**	**16,791**	**17,155**
L	22	20	19	20	22	21	21	65	75	91	102	107	107	117
K	592	619	626	630	666	681	716	231	264	277	289	321	305	360
R	18	19	19	19	19	16	14	112	125	128	135	155	131	132
CA	357	402	405	412	424	407	365	310	384	415	476	491	462	428
CO	30	31	29	29	30	29	29	188	210	164	173	178	164	163
FL	43	26	19	14	11	9	8	41	23	21	13	11	9	8
L	23	28	29	29	30	27	24	2	1	1	2	1	2	(NA)
N	5	6	5	6	5	5	4	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(NA)
KS	60	71	72	76	75	67	60	735	430	435	466	513	466	395
KY	6	7	8	8	8	6	6	57	52	47	62	73	80	(NA)
LA	469	458	480	515	508	512	437	6,639	6,172	5,332	5,825	5,014	4,895	5,096
MI	34	31	32	31	27	26	26	158	153	139	145	132	127	162
MS	36	33	31	33	31	30	28	175	167	151	158	144	141	138
MT	30	31	29	30	30	27	25	52	57	52	51	52	47	46
NE	6	7	6	6	7	7	6	3	2	2	2	2	1	(NA)
NM	75	71	75	79	79	76	72	1,150	991	895	957	905	703	818
NY	1	1	1	1	1	1	1	16	16	18	25	32	30	(NA)
ND	40	47	51	53	51	46	41	42	54	69	70	73	55	63
OH	13	15	15	15	15	13	12	139	138	151	186	182	182	(NA)
OK	150	159	159	168	163	149	134	1,892	1,934	1,730	1,986	1,936	1,917	1,987
PA	3	4	4	4	5	4	3	97	121	118	166	150	160	(NA)
TX	977	925	903	905	889	840	761	7,116	6,469	5,939	6,185	6,053	6,152	6,061
UT	25	22	30	35	41	39	36	88	94	63	75	83	90	93
WV	2	3	4	4	4	3	3	157	151	130	144	145	135	116
WY	126	118	118	124	129	121	115	410	425	444	517	417	403	441

NA Not available. Z Less than 500 million cubic feet. [1] Excludes nonhydrocarbon gases.
[2] Includes other States not shown separately. State production does not include State offshore production.

Source: U.S. Energy Information Administration, *Natural Gas Annual, Natural Gas Monthly, Energy Data Reports,* and *Petroleum Supply Annual.*

No. 1190. Crude Petroleum and Natural Gas—Wells Drilled, Footage, and Drilling Cost, 1970 to 1987 and by Type of Well, 1987

[Includes all costs incurred for drilling and equipping wells to point of completion as productive wells or abandonment after drilling becomes unproductive. Based on sample of operators of different size drilling establishments]

YEAR	WELLS DRILLED		Footage drilled (mil. ft.)	DRILLING COST (mil. dol.)		Average depth per well (ft.)	AVERAGE COST PER WELL ($1,000)		Ave-age cost per ft. (dol.)
	Total	Off-shore		Total	Off-shore		Total	Off-shore	
Wells, total:									
1970	27,177	1,058	136.9	2,579	599	5,037	95	566	18.84
1975	36,960	1,028	177.6	6,571	1,174	4,806	178	1,142	36.99
1980	62,011	1,272	296.0	22,800	3,846	4,773	368	3,024	77.02
1981	80,816	1,476	388.8	36,665	5,551	4,811	454	3,761	94.30
1982	76,652	1,464	362.6	39,426	6,154	4,731	514	4,203	108.73
1983	67,536	1,270	301.2	25,105	4,961	4,460	372	3,906	83.34
1984	77,210	1,421	350.6	25,206	5,024	4,541	326	3,536	71.90
1985	67,821	1,247	314.5	23,697	5,079	4,637	349	4,073	75.35
1986	37,173	898	176.3	13,552	3,596	4,742	365	4,004	76.88
1987	33,041	709	157.4	9,239	2,053	4,762	280	2,896	58.71
Oil wells	15,326	224	64.6	3,769	696	4,215	246	3,107	58.35
Gas wells	7,255	142	39.7	2,759	421	5,469	380	2,967	69.55
Dry holes	10,460	343	53.1	2,710	936	5,075	259	2,729	51.05

Source: American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association, *Joint Association Survey on Drilling Costs,* annual.

No. 1191. Federal Offshore Leasing, Exploration, Production, and Revenue: 1975 to 1987

[See source for explanation of terms and for reliability statement]

ITEM	Unit	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Tracts offered	Number	1,374	586	666	483	1,398	1,410	21,689	27,984	15,754	10,724	10,909
Tracts leased	Number	321	249	351	218	430	357	1,251	1,400	667	142	640
Acres offered	1,000	7,247	3,141	3,412	2,563	7,680	7,637	120,054	154,384	87,029	58,670	59,782
Acres leased	1,000	1,680	1,297	1,767	1,134	2,265	1,886	6,588	7,495	3,512	734	45,075
Bonus paid for leased tracts	Bil. dol	1.1	1.8	5.1	4.2	6.6	4.0	5.7	4.0	1.5	.2	.5
New wells being drilled:												
Active	Number	97	117	175	191	173	166	134	253	195	95	142
Suspended	Number	292	486	603	739	724	701	597	313	348	279	265
Wells completed	Number	6,104	8,433	8,964	9,638	10,308	11,164	11,990	13,012	12,285	12,536	12,736
Wells plugged and abandoned	Number	5,617	7,133	7,576	8,057	8,704	8,913	9,374	9,903	10,487	11,909	12,373
Revenue, total [1]	Bil. dol	1.7	2.9	6.6	6.4	9.9	7.8	9.2	8.0	5.2	2.8	2.9
Bonuses	Bil. dol	1.1	1.8	5.1	4.2	6.6	4.0	5.7	4.0	1.5	.2	.5
Oil and gas royalties [1]	Bil. dol	.6	1.1	1.5	2.1	3.3	3.8	3.4	4.0	3.6	2.6	2.3
Rentals	Bil. dol	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	.1	.1	.1
Production, value [2]	Bil. dol	3.9	7.1	9.3	13.1	20.2	22.6	21.0	24.0	22.2	15.7	14.6
Crude oil	Bil. dol	2.2	2.6	2.9	4.8	8.8	8.9	9.1	9.6	9.6	5.8	5.8
Condensate	Bil. dol	.2	.2	.3	.4	.8	1.2	1.1	1.2	1.0	.7	.7
Natural gas	Bil. dol	1.5	4.1	6.1	7.9	10.5	12.4	11.0	13.2	11.5	9.3	8.1
Production: [2]												
Crude oil	Mil. bbls	303	270	262	259	263	284	304	330	352	350	325
Condensate	Mil. bbls	27	22	23	19	27	37	36	40	37	39	41
Natural gas	Tril. cu. ft	3,459	4,385	4,673	4,641	4,850	4,680	3,940	4,537	4,000	3,949	4,425

Z Less than $50 million. [1] Includes condensate royalties. [2] Production value is value at time of production, not current value.

Source: U.S. Dept. of the Interior, Minerals Management Service, *Federal Offshore Statistics,* annual.

No. 1192. Natural Gas Plant Liquids—Production and Value: 1970 to 1987

[**Barrels of 42 gallons.** See also *Historical Statistics, Colonial Times to 1970,* series M 143-146]

ITEM	Unit	1970	1973	1975	1980	1981	1982	1983	1984	1985	1986	1987
Field production	Mil. bbl	606	634	594	576	588	566	569	596	582	564	581
Pentanes plus	Mil. bbl	197	182	149	126	122	103	85	107	103	98	106
Liquefied petroleum gases	Mil. bbl	400	447	444	441	459	459	480	488	479	466	474
Ethane [1]	Mil. bbl	73	108	123	145	145	155	168	185	180	177	182
Propane [1 2]	Mil. bbl	206	214	202	181	190	189	197	193	190	185	184
Butane (incl. isobutane) [2]	Mil. bbl	121	124	119	115	124	114	116	111	109	104	108
Other finished petroleum products	Mil. bbl	9	6	2	8	7	4	4	1	5	2	2
All light products:												
Average value	Dol. per bbl	2.10	2.93	4.65	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average yield	Gal. per 1,000 cu. ft.	1.37	1.35	1.42	1.63	1.65	1.68	1.80	1.79	1.84	[3] 1.82	1.81
Natural gas processed	Tril. cu. ft.	19	20	18	15	15	14	13	14	13	[3] 13	14

NA Not available. [1] Reported production of ethane-propane mixtures have been allocated 70 percent ethane and 40 percent propane. [2] Reported production of ethane-propane mixtures have been allocated 60 percent ethane and 30 percent propane. [3] Estimated.

Source: Through 1975, U.S. Bureau of Mines, *Minerals Yearbook;* thereafter, U.S. Energy Information Administration, *Energy Data Reports, Petroleum Statement Annual, Petroleum Supply Annual,* and *Natural Gas Annual.*

No. **1193.** NATURAL GAS—SUPPLY, CONSUMPTION, RESERVES, AND MARKETED PRODUCTION: 1970 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series M 147-161]

ITEM	Unit	1970	1973	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Producing wells (yearend)	1,000	117	124	130	182	199	211	222	234	243	242	254
Production value at wells	Bil. dol	3.7	5.0	9.0	32.1	39.5	45.6	43.6	48.5	43.2	32.6	29.4
Avg. per 1,000 cu. ft.	Dollars	.17	.22	.45	1.59	1.98	2.46	2.59	2.66	2.51	1.94	1.71
Proved reserves [1]	Tril. cu. ft.	291	250	228	199	202	202	200	197	193	192	(NA)
Marketed production [2]	Tril. cu. ft.	21.92	22.65	20.11	20.18	19.96	18.52	16.82	18.23	17.20	16.79	17.15
Drawn from storage	Tril. cu. ft.	1.46	1.53	1.76	1.97	1.93	2.16	2.27	2.10	2.40	1.84	1.98
Imports [3]	Tril. cu. ft.	.82	1.03	.95	.98	.90	.93	.92	.84	.95	.75	.99
Consumption, total	Tril. cu. ft.	21.14	22.05	19.54	19.88	19.40	18.00	16.84	17.95	17.28	16.22	16.68
Residential	Tril. cu. ft.	4.84	4.88	4.92	4.75	4.55	4.63	4.38	4.56	4.43	4.31	4.37
Commercial [4]	Tril. cu. ft.	2.40	2.60	2.51	2.61	2.52	2.61	2.43	2.52	2.43	2.32	2.29
Industrial	Tril. cu. ft.	9.25	10.18	8.36	8.20	8.06	6.94	6.62	7.23	6.87	6.50	6.66
Lease and plant fuel	Tril. cu. ft.	1.40	1.50	1.40	1.03	.93	1.11	.98	1.08	.97	.92	.94
Other industrial	Tril. cu. ft.	7.85	8.69	6.97	7.17	7.13	5.83	5.64	6.15	5.90	5.58	5.73
Electric utilities	Tril. cu. ft.	3.93	3.66	3.16	3.68	3.64	3.23	2.91	3.11	3.04	2.60	2.84
Transportation [5]	Tril. cu. ft.	.72	.73	.58	.63	.64	.60	.49	.53	.50	.49	.50
Extraction losses [6]	Tril. cu. ft.	.91	.92	.87	.78	.77	.76	.79	.84	.82	.80	.82
Exports	Tril. cu. ft.	.07	.08	.07	.05	.06	.05	.06	.06	.06	.06	.06
Additions to storage [7]	Tril. cu. ft.	1.86	1.97	2.10	1.95	2.23	2.47	1.82	2.30	2.16	1.98	1.96
Unaccounted for gas [8]	Tril. cu. ft.	.23	.20	.24	.64	.50	.47	.64	.14	.35	.43	.76
World production (dry)	Tril. cu. ft.	37.54	43.15	44.10	53.28	54.71	54.18	54.45	58.30	62.17	(NA)	(NA)
U.S. production (dry)	Tril. cu. ft.	21.01	21.73	19.24	19.40	19.18	17.76	16.03	17.39	16.38	15.99	16.35
Percent U.S. of world	Percent	56.0	50.4	43.6	36.4	35.1	32.8	29.4	29.8	26.3	(NA)	(NA)

NA Not available. [1] Estimated, end of year. Source: 1970-1975; American Gas Association, Arlington, VA. (Copyright.); thereafter, U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. [2] Marketed production includes gross withdrawals from reservoirs less quantities used for reservoir repressuring and quantities vented or flared. For 1980 and thereafter, it excludes the nonhydrocarbon gases subsequently removed. [3] Includes imports of liquefied natural gas. [4] Includes deliveries to municipalities and public authorities for institutional heating and other purposes. [5] Pipeline fuel. [6] Volumetric reduction in natural gas resulting from the extraction of natural gas constituents at natural gas processing plants. [7] Beginning with 1980, includes liquefied natural gas (LNG) storage in above ground tanks. [8] Derived by subtracting the sum of additions to storage, exports and consumption from total supply.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*, *International Energy Annual*, and *Monthly Energy Review*, March 1988.

No. **1194.** LIQUEFIED PETROLEUM GASES—SUMMARY: 1980 TO 1987

[**In millions of 42-gallon barrels.** Includes ethane]

ITEM	1980	1985	1986	1987	ITEM	1980	1985	1986	1987
Production	**561**	**622**	**619**	**638**	**Consumption**	**538**	**584**	552	**588**
At natural gas plants	441	479	466	474	Ethane [1]	164	210	181	178
At refineries	121	143	152	164	Propane [1 2]	298	322	303	337
Imports	79	68	88	69	Butane (incl. isobutane) [2]	76	52	68	73
Refinery input	85	111	110	111	Stocks, Dec. 31	116	74	103	97
Exports	9	23	15	14					

[1] Reported consumption of ethane-propane mixtures have been allocated 70 percent ethane and 30 percent propane.
[2] Reported consumption of butane-propane mixtures have been allocated 60 percent butane and 40 percent propane.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. **1195.** COAL INDUSTRY—ELEMENTS OF STRUCTURAL CHANGE: 1976 AND 1986

[**In percent, except as indicated**]

ELEMENT	1976	1986	ELEMENT	1976	1986
Number of bituminous coal and lignite mines	6,161	4,203	**Percent of U.S. bituminous coal and lignite production accounted for by—**		
Number of major coal producers [1]	34	52	Major coal producers [1]	57.4	73.9
Percent of major producers' bituminous coal and lignite production accounted for by—			Foreign-controlled major coal producers [2]	1.4	6.4
Independent coal companies	34.7	26.6	Firms producing more than 20 million tons per year	22.0	32.9
Oil and gas companies	32.2	43.9	Eight largest producers	33.6	30.3
Electric utilities	10.6	14.9	Four largest producers	24.6	19.6
Steel companies	8.5	4.5			

[1] Major producers are defined as firms producing 3 million tons or more of bituminous coal and lignite annually. [2] Includes foreign company shares of joint ventures. Control is inferred from an ownership interest of more than 50 percent.

Source: U.S. Energy Information Administration, *The Changing Structure of the U.S. Coal Industry, 1976-1986*.

No. 1196. Coal and Coke—Summary: 1970 to 1987

[Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1987, was 476 billion Recoverability varies between 40 and 90 percent for individual deposits; 50 percent or more of overall U.S. coal reserve base believed to be recoverable. See also *Historical Statistics, Colonial Times to 1970,* series M 93-126]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
COAL [2]										
Production, total	Mil. sh. tons	613	655	830	824	838	782	896	884	890
Value	Mil. dol.	3,882	12,670	20,453	21,755	22,851	20,325	22,940	22,277	21,186
Bituminous coal and lignite: [3]										
Number of mines	Number	5,601	6,168	5,598	5,569	5,363	4,265	4,902	4,547	4,200
Production	Mil. sh. tons	603	648	824	818	834	778	892	879	886
Value, total	Mil. dol.	3,774	12,460	20,196	21,514	22,622	20,111	22,849	22,061	20,998
Average per ton	Dollars	6.26	19.23	24.52	26.29	27.14	25.85	25.51	25.10	23.70
Exports	Mil. sh. tons	72	66	92	113	106	78	81	93	86
Value	Mil. dol.	961	3,259	4,627	5,916	5,991	4,057	4,132	4,405	3,990
Imports	1,000 sh. tons	36	940	1,194	1,043	742	1,271	1,286	1,952	2,212
Method of mining:										
Underground	Mil. sh. tons	341	293	338	316	339	300	351	350	360
Surface	Mil. sh. tons	272	361	492	507	499	482	544	533	530
Percent of total prod	Percent	44.4	56.2	59.3	61.6	59.5	61.6	60.7	60.3	59.5
Value	Mil. dol.	(Z)	22	30	30	23	43	45	70	80
Consumption [4]	Mil. sh. tons	523	563	703	733	707	737	791	818	804
Electric power utilities	Mil. sh. tons	320	406	569	597	594	625	664	694	685
Industrial	Mil. sh. tons	187	147	127	128	105	103	118	116	112
Productivity average: [5]										
Daily employment	1,000	140	190	225	226	217	176	178	169	165
Days worked	Number	228	232	210	186	196	197	204	204	205
Tons per worker:										
Per day	Sh./tons	18.84	14.74	16.32	18.06	18.13	20.98	22.19	23.06	25.44
Per year	Sh./tons	4,296	3,420	3,427	3,363	3,407	4,133	4,527	4,702	5,216
Production, by State:										
Alabama	Mil. sh. tons	20.6	22.6	26.4	24.5	26.6	23.8	27.1	27.8	25.8
Illinois	Mil. sh. tons	65.1	59.5	62.5	51.9	60.3	56.8	63.8	59.2	61.9
Indiana	Mil. sh. tons	22.3	25.1	30.9	29.3	31.8	31.8	37.6	33.3	32.9
Kentucky	Mil. sh. tons	125.3	143.6	150.1	157.6	150.2	131.2	159.5	152.3	153.9
Montana	Mil. sh. tons	3.4	22.1	29.9	33.6	27.9	28.9	33.0	33.3	34.0
Ohio	Mil. sh. tons	55.4	46.8	39.4	37.4	36.5	33.8	39.3	35.6	36.4
Pennsylvania	Mil. sh. tons	80.2	90.3	93.1	83.5	79.4	69.8	77.5	71.4	71.6
Virginia	Mil. sh. tons	35.0	35.5	41.0	42.0	39.8	35.0	40.4	40.9	41.2
West Virginia	Mil. sh. tons	144.1	109.3	121.6	112.8	128.5	115.0	131.0	127.8	129.9
Wyoming	Mil. sh. tons	7.2	23.8	94.9	103.0	108.4	112.2	130.9	140.7	136.8
Other States	Mil. sh. tons	44.1	75.9	139.7	148.4	148.9	143.6	156.9	161.3	165.9
Anthracite production	Mil. sh. tons	9.7	6.2	6.1	5.4	4.6	4.1	4.2	4.7	4.3
World production	Mil. sh. tons	3,295	3,665	4,173	4,198	4,375	4,402	4,623	4,839	4,969
COKE										
Production [6]	Mil. sh. tons	66.5	57.2	46.1	42.8	28.1	25.8	30.6	28.7	25.5
Oven coke [7]	Mil. sh. tons	65.7	56.5	46.1	42.8	28.1	25.8	30.6	28.7	25.5
Value of product at plant	Mil. dol.	2,193	5,261	6,029	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Coke and breeze	Mil. dol.	1,899	4,607	4,754	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Avg. market value per ton	Dollars	28	84	100	113	115	114	105	103	100
Coal carbonized	Mil. sh. tons	96.5	83.6	66.7	61.0	40.9	37.0	44.0	41.1	36.0
Average value per ton	Dollars	12.47	44.21	56.26	62.86	64.97	59.30	56.57	54.30	50.85
Yield of coke from coal	Percent	69.1	68.4	69.2	70.1	68.7	69.7	69.4	69.8	70.9

NA Not available. Z Less than $500,000. [1] Preliminary. [2] Includes bituminous coal, lignite, and anthracite. [3] All domestic product data for 1970 and 1975 are for mines producing 1,000 short tons or more per year; thereafter, data are for all mines. [4] Includes some categories not shown separately. [5] Data for 1970 and 1975 are for mines producing 1,000 short tons or more per year; thereafter, for mines producing 10,000 short tons or more. Beginning 1982, includes anthracite. [6] Includes beehive coke. [7] Prior to 1980, excludes screenings or breeze; thereafter, includes beehive and other nonrecoverable coke-oven operations.

Source: 1970 and 1975, U.S. Bureau of Mines, *Minerals Yearbook;* thereafter, U.S. Energy Information Administration, *Energy Data Reports, Weekly Coal Production; Coal Production,* annual; *Coke Plant Report, Annual Energy Review,* and *Quarterly Coal Report.*

No. 1197. World Coal Trade: 1975 to 1986

[In millions of short tons]

COUNTRIES	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Exporting countries, total [2]	**212.5**	**210.2**	**224.7**	**222.5**	**254.9**	**276.0**	**287.4**	**291.3**	**284.2**	**327.6**	**364.3**
United States	66.3	60.0	54.3	40.7	66.0	88.7	106.5	106.5	76.5	81.2	91.9
Australia	33.5	34.3	42.3	42.6	44.6	46.6	54.3	44.8	59.9	79.7	96.0
South Africa	3.0	6.6	14.0	17.0	25.7	29.9	32.5	29.9	32.2	40.7	49.1
Soviet Union	28.8	29.6	31.1	31.6	28.4	26.2	22.5	23.0	24.1	22.7	28.3
West Germany	16.2	14.4	16.0	21.0	17.2	13.8	13.1	11.2	11.5	12.9	10.5
Canada	12.9	13.0	13.3	15.1	15.3	16.1	17.7	16.4	17.6	26.7	29.7
Poland	42.4	42.9	43.3	44.2	45.6	34.3	16.6	30.6	39.0	47.1	39.8
China: Mainland	[3].5	.4	.5	.9	1.7	4.2	4.1	5.1	6.2	7.6	8.1
Importing countries, total [2]	**212.5**	**210.2**	**224.7**	**222.5**	**254.9**	**276.0**	**287.4**	**291.3**	**284.2**	**327.6**	**364.3**
Western Europe/Mediterranean	80.8	80.2	85.9	94.3	107.4	126.9	129.4	126.5	117.1	132.2	146.8
Japan	68.5	67.0	67.1	57.5	64.5	75.6	86.0	86.5	81.6	94.5	101.9
Eastern Europe	35.1	35.4	36.8	38.4	40.2	34.8	30.1	37.0	41.2	39.9	42.3
Canada	16.8	16.1	16.9	14.6	19.4	17.4	16.3	17.3	16.2	20.4	16.4

[1] Preliminary. [2] Includes areas not shown seperately. [3] Includes trade with Japan only.

Source: U.S. Energy Information Administration, 1973-1984, *Outlook for U.S. Coal Imports;* thereafter, *Annual Prospects for World Coal Trade.*

No. 1198. Cement, Sand, Gravel, Stone, Gypsum, Lime, and Phosphate Rock: 1970 to 1985

[See also *Historical Statistics, Colonial Times to 1970*, series M 188–194 and series M 203–204. Lime excludes Puerto Rico]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Cement production [1]	**Mil. sh. ton**	**76.1**	**69.7**	**85.5**	**85.9**	**76.7**	**72.9**	**64.3**	**71.3**	**78.7**	**78.9**
Portland	Percent	96.1	95.8	95.2	95.6	95.9	96.2	96.5	95.9	95.8	95.9
Shipments [2]	Mil. sh. ton	76.4	70.7	88.0	87.2	77.7	73.0	65.1	71.9	81.2	84.0
Portland	Mil. sh. ton	73.4	67.8	83.8	83.4	74.7	70.2	62.7	68.9	77.9	80.7
Value	Mil. dol	1,366	2,220	3,623	4,061	3,780	3,666	3,199	3,440	4,020	4,142
Average per ton	Dollar	17.88	31.41	41.17	46.57	50.89	52.20	51.04	49.89	51.62	51.30
Imports	Mil. sh. ton	2.5	3.6	6.6	9.4	5.2	4.0	2.9	4.3	8.8	14.5
Value	Mil. dol	34	71	101	302	196	151	111	161	294	437
Exports	1,000 sh. ton	123	417	55	149	186	300	291	118	80	98
World production (est.)	Mil. sh. ton	630	774	940	962	977	977	973	1,010	1,045	1,071
Sand and gravel sold [3]	**Mil. sh. ton**	**944**	**789**	**996**	**979**	**793**	**720**	**621**	**682**	**803**	**830**
Value	Mil. dol	1,116	1,340	2,302	2,427	2,289	2,260	1,998	2,270	2,621	2,812
Stone sold or used by producers	**Mil. sh. ton**	**869**	**901**	**1,051**	**1,101**	**985**	**874**	**791**	**853**	**957**	**1,002**
Value	Mil. dol	1,470	2,120	2,888	3,300	3,405	3,276	3,056	3,475	3,911	4,225
Crude gypsum: [4]											
Active establishments [5]	Number	108	110	116	113	114	113	109	111	113	116
Apparent supply	Mil. sh. ton	15.5	15.1	23.1	22.3	19.7	18.9	17.1	20.8	23.1	24.6
Mined	Mil. sh. ton	9.4	9.8	14.9	14.6	12.4	11.5	10.5	12.9	14.3	14.7
Imports for consumption	Mil. sh. ton	6.1	5.4	8.3	7.8	7.4	7.6	6.7	8.0	8.9	9.9
Exports	1,000 sh. ton	41	75	132	91	88	157	123	117	131	83
Calcined gypsum produced	**Mil. sh. ton**	**8.4**	**9.2**	**14.0**	**14.5**	**11.8**	**11.7**	**11.2**	**13.9**	**15.5**	**16.0**
Value	Mil. dol	132	186	387	442	270	243	196	270	321	367
Gypsum products sold, value [6]	**Mil. dol**	**353**	**514**	**1,248**	**1,292**	**1,242**	**1,196**	**1,122**	**1,606**	**2,274**	**2,418**
Building uses, value	Mil. dol	323	486	1,171	1,312	1,149	1,099	1,032	1,504	2,162	2,301
Lime:											
Active plants	Number	194	171	155	154	153	150	147	139	129	115
Quantity sold	1,000 sh. ton	19,747	19,133	20,443	20,945	19,010	18,856	14,075	14,867	15,822	15,690
Value	Mil. dol	286	524	750	862	843	884	696	758	811	809
Per ton	Dollars	14.49	27.38	36.67	41.16	44.34	46.88	49.46	50.96	50.95	51.70
Phosphate rock:											
Mine production	**Mil. ton**	**125.5**	**187.5**	**191.2**	**204.8**	**231.4**	**202.5**	**114.8**	**138.8**	**179.7**	**193.2**
P_2O_5 content	Mil. ton	16.6	23.5	23.5	25.4	26.2	26.2	14.8	19.4	23.2	25.2
Marketable production	Mil. ton	38.7	48.8	56.2	56.9	60.0	59.1	41.2	46.9	54.2	56.0
P_2O_5 content	Mil. ton	12.0	15.0	16.9	17.5	18.4	18.0	12.7	14.4	16.4	17.3
Value	Mil. dol	203	1,122	920	1,046	1,257	1,438	950	1,021	1,182	1,236
Per ton	Dollars	5.25	22.99	16.84	18.38	20.95	24.33	23.04	21.75	21.80	22.05
Imports [7]	Mil. sh. ton	.14	.04	1.00	.98	.54	.01	.03	.01	.01	.04
Value	Mil. dol	3.8	1.6	24.4	21.6	12.9	.4	1.3	.4	.3	1.7
Per ton	Dollars	27.87	43.83	24.38	22.04	23.99	30.00	38.29	37.90	27.62	46.61
Exports	Mil. sh. ton	11.7	12.3	14.2	15.8	15.7	11.5	10.8	13.2	12.7	10.1
P_2O_5 content	Mil. sh. ton	3.8	4.0	4.5	5.1	5.0	3.6	3.5	4.2	4.0	3.2
Value	Mil. dol	60.0	429.2	297.4	356.5	431.4	373.2	293.6	327.3	324.8	263.6
Per ton	Dollars	5.11	34.98	20.94	22.56	27.41	32.57	27.06	24.73	25.56	26.18
Consumption, apparent [8]	Mil. sh. ton	27.2	34.2	40.6	43.6	45.0	38.7	31.7	38.4	46.0	41.4
World production	Mil. sh. ton	93.6	118.6	137.8	145.3	158.0	157.7	140.4	153.5	165.5	161.7

[1] Includes Puerto Rico; excludes Alaska except for imports and exports. [2] Includes natural, slag, and hydraulic lime plants, not shown separately, except 1970 excludes slag cement. [3] Represents sand stone and gravel used by producers. [4] Excludes byproduct gypsum. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. [5] Each mine, plant, or combination mine and plant is counted as one establishment. [6] Made from domestic, imported, and byproduct gypsum. [7] For consumption; P_2O_5 content not available. [8] Amount sold or used plus imports minus exports.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1199. Potash—Summary: 1970 to 1985

[In thousands of short tons, except value. See also *Historical Statistics, Colonial Times to 1970*, series M 201-202]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Production of potassium salts (marketable)	4,853	4,576	4,769	4,708	4,756	4,578	3,710	3,053	3,350	2,831
Approximate equivalent K_2O	2,729	2,501	2,463	2,453	2,468	2,377	1,966	1,575	1,724	1,428
Value [1] (mil. dol.)	98.1	223.1	226.5	270.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Sales of potassium salts by producers	4,703	3,819	4,804	5,014	4,701	4,045	3,734	3,252	3,510	2,761
Approximate equivalent K_2O	2,729	2,094	2,543	2,832	2,444	2,103	1,967	1,666	1,807	1,395
Value at plant (mil. dol.)	92.4	187.9	226.5	279.2	353.9	328.9	265.6	220.8	241.6	178.4
Per ton (dollars)	19.64	49.19	47.15	55.08	75.28	81.31	71.13	67.90	68.89	78.48
Imports for consumption of potash materials	4,403	6,271	8,556	9,375	9,031	8,712	6,986	8,071	8,761	8,343
Approximate equivalent K_2O	2,605	3,797	5,189	5,693	5,481	5,287	4,253	4,894	5,323	5,061
Value (mil. dol.)	94.7	257.2	399.2	520.8	646.0	750.4	575.4	600.6	658.1	499.1
Exports of potash materials	966	1,419	1,577	1,233	1,746	978	1,049	622	922	1,072
Approximate equivalent K_2O	544	779	892	700	926	541	572	331	492	565
Value (mil. dol.)	28.5	92.7	88.6	79.5	179.5	107.9	93.2	55.8	65.7	(NA)
Apparent consumption of potassium salts [2]	8,140	8,671	11,782	13,156	11,987	11,779	9,671	10,701	11,349	10,032
Approximate equivalent K_2O	4,730	5,112	6,840	7,626	6,999	6,849	5,647	6,231	6,638	5,891
World production (marketable), approximate equivalent K_2O	20,013	27,269	28,795	28,404	30,707	29,849	27,167	30,232	31 568	31,537

NA Not available. [1] Derived from reported value of amount sold or used. [2] Amount sold or used plus imports minus exports.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1200. Iron Ore—Summary: 1970 to 1986

[In millions of long tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 205–211]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Number of mines	74	67	54	51	49	37	32	27	20	20	20
Production [1]	**89.8**	**78.9**	**55.8**	**81.6**	**85.7**	**69.6**	**73.2**	**35.4**	**37.8**	**51.3**	**48.8**
Lake Superior	69.6	66.7	44.0	72.7	77.2	62.3	67.5	31.0	35.6	49.7	47.4
Northeastern	3.5	1.9	2.0	8.9	8.6	7.3	5.7	4.4	2.0	1.6	1.4
Western	14.3	9.6	9.8								
Shipments [2]	87.2	75.7	54.1	83.2	86.2	69.6	72.2	35.8	44.6	50.9	49.4
Value [2] (mil. dol.)	942	1,621	1,423	2,401	2,814	2,544	2,915	1,492	1,945	2,248	2,077
Average price per ton at mine (dol.)	10.80	21.41	26.32	26.86	32.64	36.56	40.39	41.72	43.61	44.17	42.03
Stocks, Dec. 31 (at mines)	15.3	12.3	14.6	12.4	11.3	11.7	12.7	12.1	4.1	5.3	6.0
Price (Lake Superior ores) Dec. 31: Natural ores, basis 51.5% Fe (dol./lg. ton)	10.80	18.50	21.18	22.30	24.56	28.50	32.53	32.53	30.03	30.03	30.03
Imports for consumption [3]	44.9	46.7	37.9	33.6	33.8	25.1	28.3	14.5	13.2	17.2	15.8
Canada	23.9	19.1	25.3	19.2	22.6	17.3	18.8	9.3	8.8	11.2	8.6
Venezuela	13.0	13.1	6.2	6.1	4.6	3.6	5.1	1.6	1.3	1.5	2.1
Brazil	2.0	7.5	2.2	4.0	3.1	2.0	1.7	1.0	1.3	2.5	2.5
Value (mil. dol.)	480	860	957	845	923	773	948	471	446	529	452
Exports	5.5	2.5	2.1	4.2	5.1	5.7	5.5	3.2	3.8	5.0	5.0
Value (mil. dol.)	68	60	63	137	179	231	245	151	183	239	241
World production (est.)	754	902	826	833	889	877	845	789	729	822	840

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[1] Includes Southeastern district and byproduct ore, not shown separately. [2] Beginning 1976, includes byproduct
[3] Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1201. Gold and Silver—Summary: 1970 to 1987

[See *Historical Statistics, Colonial Times to 1970*, series M 268–269, for mine production]

ITEM	Unit	1970	1980	1981	1982	1983	1984	1985	1986
GOLD									
Ore produced [1]	1,000 sh. ton	3,687	9,893	12,729	17,918	24,142	30,497	35,909	60,082
Production, U.S	1,000 fine oz	1,743	970	1,379	1,466	2,003	2,085	2,427	3,739
Value	Mil. dol	63	594	634	551	849	752	771	1,377
World production	1,000 fine oz	47,522	39,179	41,250	43,105	45,096	46,827	49,184	51,620
Industrial consumption U.S., net	1,000 fine oz	5,973	3,215	3,276	3,423	3,226	3,350	3,247	3,128
Imports [2]	Mil. dol	237	2,750	2,157	1,894	1,977	2,947	2,696	5,094
Canada	Mil. dol	152	1,234	1,314	1,124	987	1,554	1,555	2,444
Soviet Union	Mil. dol	–	86	22	4	–	–	–	154
South Africa	Mil. dol	(Z)	33	188	36	16	8	–	79
Exports	Mil. dol	36	3,648	3,072	1,089	1,326	1,813	1,254	1,819
Price per fine oz. [3]	Dollars	36.4	612.6	459.6	375.9	424.0	360.7	317.7	368.2
Production:									
Nevada	1,000 fine oz	480	278	525	757	961	1,021	1,276	2,099
South Dakota	1,000 fine oz	579	268	278	185	310	311	356	(D)
Utah	1,000 fine oz	406	180	226	175	238	(D)	135	(D)
SILVER									
Ore produced [1] [4]	1,000 sh. ton	934	2,936	5,579	6,636	8,858	9,392	5,347	6,425
Production, U.S	1,000 fine oz	45,006	32,329	40,683	40,248	43,431	44,592	39,433	34,220
Value	Mil. dol	80	667	428	320	497	363	242	187
World production	1,000 fine oz	300,991	342,804	361,617	371,159	387,711	413,930	422,093	415,625
Industrial consumption U.S., net [5]	1,000 fine oz	128,404	124,694	116,670	118,840	116,464	114,841	118,555	118,940
Imports [2]	Mil. dol	104	1,606	1,028	927	2,124	963	952	798
Canada	Mil. dol	64	660	375	303	420	301	288	261
Mexico	Mil. dol	9	262	228	205	340	336	251	257
Peru	Mil. dol	19	354	273	143	269	197	76	57
Exports	Mil. dol	49	1,910	332	209	377	206	161	143
Price per fine oz. [3] [5]	Dollars	1.77	20.63	10.52	7.95	11.44	8.14	6.14	5.47
Production: [4]									
Idaho	Mil. fine oz	19.1	13.7	16.5	14.8	17.7	18.9	18.6	11.2
Arizona	Mil. fine oz	7.3	6.3	8.1	6.3	4.5	4.2	4.9	4.2
Utah	Mil. fine oz	6.0	2.2	2.9	4.3	4.6	(D)	(D)	(D)
Colorado	Mil. fine oz	2.9	3.0	3.0	1.9	2.1	2.2	.5	.6

– Represents zero. D Withheld to avoid disclosure. Z Less than $500,000. [1] Gold and silver are also produced from base-metal ores and placers. [2] 1970, general imports, thereafter, imports for consumption. [3] Selling price. [4] Includes gold-silver ore through 1986, silver ore only in 1987. [5] Excludes coinage.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1202. LEAD—SUMMARY: 1970 TO 1987

[In thousands of short tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1970*, series M 242-248]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Smelter production of refined primary lead	**667**	**636**	**634**	**604**	**546**	**565**	**567**	**436**	**537**	**408**	**412**
Domestic ores and base bullion [1]	528	530	584	560	485	507	506	364	459	384	371
Foreign ores and base bullion	139	106	50	43	61	58	61	72	79	24	41
Recovery of secondary lead	597	658	863	745	707	630	555	698	679	689	783
Imports, general:											
Lead in pigs and bars	244	101	211	90	112	101	144	178	147	155	207
Lead in ores and matte	112	88	44	49	65	39	52	76	47	96	253
Exports of refined pig lead [2]	8	21	12	181	26	56	19	5	28	12	5
Consumption of metal, primary and secondary	1,361	1,297	1,497	1,180	1,287	1,185	1,266	1,331	1,266	1,241	1,356
Average price, common lead:											
New York (cents per lb.)	15.69	21.53	52.64	42.46	36.53	25.54	21.68	25.55	19.07	22.05	35.94
London (cents per lb.)	13.76	18.73	54.52	41.21	33.30	24.66	19.27	20.12	17.84	18.43	26.99
Mine production of recoverable lead [3]	572	621	579	607	491	565	495	356	456	375	343
Value [3] (mil. dol.)	179	267	610	515	359	289	215	182	174	165	247
World smelter production, primary (est.)	3,628	3,633	3,611	3,506	3,439	3,539	3,579	3,494	3,736	3,540	3,634
World smelter capacity (estimated)	5,200	5,200	5,241	5,068	4,824	4,965	5,021	4,889	4,801	4,779	4,845

[1] Excludes lead content of antimonial lead. [2] Pigs, bars, and anodes. [3] Includes Alaska.

NO. 1203. COPPER—SUMMARY: 1970 TO 1987

[In thousands of short tons, except as indicated. Excludes Hawaii and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 235-241]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
New (primary) copper produced:										
Mines (from domestic ores)	1,720	1,413	1,302	1,696	1,264	1,144	1,215	1,219	1,265	1,400
Copper ore produced [1] (mil. sh. tons)	256	263	244	306	201	196	189	179	186	245
Average yield of copper (percent)	.59	.47	.48	.51	.55	.51	.58	.62	.62	.58
Smelters (from domestic ores)	1,605	1,374	1,096	1,427	1,037	979	1,001	1,035	[2] 1,001	1,074
Percent of world total	24	17	13	16	12	11	12	11	11	11
Refineries (from domestic ores)	1,521	1,286	1,241	1,577	1,158	1,134	1,201	1,106	1,183	1,088
From foreign ores, matte, etc., refinery	244	157	98	125	194	169	83	59	(D)	(D)
Total new refined, domestic and foreign	1,765	1,443	1,339	1,702	1,352	1,303	1,284	1,165	1,183	1,088
Secondary copper produced	1,248	972	1,584	1,563	1,309	1,194	1,234	1,256	1,252	1,395
Recovered from old scrap only	504	389	676	659	571	495	506	555	528	588
Imports (unmanufactured) [3]	392	324	603	474	558	636	573	464	627	590
Refined	132	147	471	364	285	507	490	416	553	517
Exports of refined metallic copper	221	172	16	27	34	90	101	42	14	10
Stocks (refined), Dec. 31 [4]	552	489	346	535	766	763	622	353	248	132
Mine production of recoverable copper	1,720	1,413	1,302	1,696	1,264	1,144	1,215	1,219	1,265	1,405
Arizona	918	813	849	1,147	848	748	823	878	870	859
Montana	120	88	42	69	72	37	(D)	17	(D)	(D)
New Mexico	166	146	165	170	(D)	(D)	(D)	(D)	(D)	(D)
Utah	296	177	174	233	208	187	(D)	(D)	(D)	(D)
Other States	220	189	72	77	136	173	393	324	395	546
Avg. price, domestic production (cents per lb.)	58.2	64.2	102.4	85.1	74.3	79.3	68.2	67.0	66.1	82.5
World smelter production	6,719	7,966	8,432	8,820	8,764	8,967	9,264	9,462	9,429	9,748
World smelter capacity	(NA)	10,287	11,245	11,419	11,821	12,058	12,095	12,127	12,369	12,787

D Withheld to avoid disclosure of individual company data. NA Not available. [1] Includes old tailings, smelted or retreated. Not comparable with mine production figures which include recoverable copper content of ores not classified as "copper." [2] Includes production from foreign ores. [3] Includes copper imported for immediate consumption plus material entering country under bond. Beginning 1980, includes imports for consumption. Comprises copper in ores and concentrates, matte, refined, blister, and scrap. [4] Includes producers, consumers, COMEX and U.S. Government.

Source of tables 1202 and 1203: U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1204. COBALT—SUMMARY: 1970 TO 1987

[In millions of pounds of contained cobalt, except price]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Production: Mine	.7	-	-	-	-	-	-	-	-	-	-	-
Secondary (scrap) [1]	.1	.3	1.0	1.2	1.2	1.0	.9	.7	.9	.9	2.6	2.5
Imports [2]	12.4	6.6	19.0	20.0	16.3	15.6	12.9	17.2	25.3	17.7	12.3	19.5
Zaire	(NA)	2.2	7.9	8.8	6.2	4.2	5.0	7.7	11.8	4.8	.7	9.4
Zambia	(NA)	-	2.1	3.5	2.2	1.5	1.2	2.3	3.8	4.3	3.5	2.9
Finland	(NA)	1.1	.9	1.2	1.1	1.2	.6	1.0	1.0	1.0	.6	.4
Exports [3]	1.5	1.8	1.5	.7	.6	.8	.6	.8	.7	.6	1.0	.6
Consumption	13.4	12.8	20.0	17.4	15.3	11.7	9.5	11.3	12.9	13.5	14.4	15.1
Inventories	81.0	49.5	45.2	44.2	43.3	42.2	45.1	47.3	47.6	51.3	54.6	55.2
Government [4]	79.1	47.6	40.8	40.8	40.8	40.8	43.8	45.9	46.2	50.2	53.1	53.1
Private [5]	1.9	1.8	4.4	3.4	2.5	1.4	1.3	1.4	1.4	1.1	1.5	2.1
Price per pound [6] (dollars)	2.20	3.98	[7] 6.40	24.58	25.00	14.58	8.56	5.76	10.40	11.43	7.49	6.56

- Represents zero. NA Not available. [1] Reported consumption of purchased scrap. [2] Includes countries not shown separately. [3] Content of unwrought cobalt and cobalt alloys, and waste and scrap. [4] Includes cobalt sold but not delivered. [5] Consumer stocks only. [6] 1970 and 1975 weighted average based on the market price quoted by a major U.S. cobalt dealer; otherwise based on range of prices; 1980-87 weighted average "Metals Week" prices. [7] Represents low price for years. Price ranged from low 6.40 lb. to 20.00 per lb.

Source: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Commodity Summaries*, annual.

No. 1205. Nickel—Summary: 1970 to 1986

[Quantities in thousands of short tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 231-234]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Mine production	16	17	14	14	15	15	12	3	-	15	6
Plant production:											
Primary [1]	16	14	13	11	12	11	10	3	(D)	10	5
Secondary [2]	49	42	45	44	57	49	52	43	50	55	53
Imports (est. nickel content)	156	161	195	240	177	189	209	130	152	177	158
Exports (gross weight)	31	30	39	36	51	57	47	57	44	59	51
Consumption	156	146	155	181	196	156	145	104	128	137	138
Stocks (consumer), Dec. 31	25	35	19	20	20	15	23	19	20	21	21
Price per pound [3] (dollars)	1.33	2.20	2.41	2.10	3.20	2.85	2.65	2.24	2.20	2.22	2.26
World production, est	693	890	913	725	756	859	800	682	735	933	882

- Represents zero. D Withheld to avoid disclosing company proprietary data. [1] From domestic ores. [2] Includes nickel recovered from iron and steel scrap. [3] Through 1979, peak price quoted U.S. buyers by International Nickel Co., Inc., fo electrolytic nickel, U.S. duty included, f.o.b. Port Colborne, Ontario; thereafter, New York dealer price.

No. 1206. Tin—Summary: 1970 to 1987

[In thousands of short tons, except price. See headnote, table 1205, for exclusions]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Production: Domestic smelters	(D)	7.2	5.1	3.3	2.2	3.9	2.8	4.4	3.3	3.5	4.3
Secondary sources	22.4	17.5	23.7	20.5	17.0	15.8	15.7	17.0	15.6	16.4	17.4
Imports for consumption:											
Metal	56.7	46.9	53.3	50.7	50.6	30.8	37.5	45.4	37.3	39.4	45.4
Ore (tin content)	5.2	7.1	5.0	.9	.3	2.2	1.1	3.6	1.8	4.3	3.3
Exports	5.0	4.0	3.8	[1] .7	[1] 2.6	[1] 6.4	[1] 1.5	[1] 1.6	1.6	1.7	1.5
Price of Straits tin at NY, dol. per lb.[2]	1.74	3.40	7.54	8.46	7.33	6.54	6.55	6.24	5.96	3.83	4.10
Consumption	83	62	69	62	60	51	50	54	55	48	40
World mine production, est	256	245	270	270	278	242	217	219	208	199	[illegible]

D Withheld to avoid disclosure of individual company data. [1] Excludes reexports. [2] See footnote 5, table 1181.

No. 1207. Tungsten Concentrate—Summary: 1970 to 1987

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 225-226, for related data]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Production:											
Concentrates (60% WO_3 basis) [1]	1,000 sh. ton	10.1	5.8	6.3	8.2	3.6	(NA)	(NA)	(NA)	(NA)	(NA)
Tungsten content	Mil. lb	9.3	5.5	6.0	7.8	3.5	2.2	2.6	2.2	1.7	.1
Shipments from mines:											
Reported value f.o.b. mines	Mil. dol	23.8	29.1	50.6	62.2	22.1	10.5	13.4	9.1	5.8	.2
Avg. value per lb. of tungsten	Dollars	2.55	5.30	8.38	7.96	6.35	4.70	5.20	4.23	3.21	[illegible]
Imports for consumption [2]	Mil. lb	[3] 1.3	[3] 6.9	11.4	11.8	7.8	6.3	12.8	10.5	5.6	9.8
Consumption [2]	Mil. lb	16.7	14.0	20.4	21.7	9.9	11.4	18.9	15.1	10.8	12.1
Stocks, [2] end of year	Mil. lb	2.2	2.5	1.4	1.7	4.0	2.5	2.2	2.5	1.2	.8
World production [2]	Mil. lb	71.4	84.5	114.6	110.8	103.7	90.2	101.7	102.5	94.0	[illegible]

NA Not available. [1] A short ton of 60% tungsten trioxide (WO_3) contains 951.72 pounds of tungsten. [2] Tungsten content. [3] General imports.

Source of tables 1205-1207: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1208. Uranium Concentrate (U_3O_8) Industry—Summary: 1975 to 1986

[Middle demand case. See table 961. See also *Historical Statistics, Colonial Times to 1970*, series M266-267]

ITEM	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Production	1,000 sh. tons	11.6	14.9	18.5	18.7	21.9	19.2	13.4	10.6	7.4	5.6
Net imports (U_3O_8)	1,000 sh. tons	.2	.8	-.8	-1.6	-1.1	-1.1	6.3	2.4	5.2	3.2
Utility inventories (U_3O_8 equivalent)	1,000 sh. tons	(NA)	[1] 21.5	35.6	42.8	54.4	64.0	68.6	75.0	[2] 80.1	[2] 68.3
Price (1983 dol./lb. U_3O_8):											
Long-term contract price	Dollars	36.50	46.40	45.30	43.10	35.50	29.40	25.90	27.20	22.60	21.20
Spot market price	Dollars	40.80	65.20	62.20	56.40	38.60	26.60	20.80	23.00	16.60	14.60
Delivered price	Dollars	18.10	30.50	31.10	31.60	34.20	35.70	41.60	38.20	[3] 31.30	[3] 26.80
Capital expenditures (1983 dollars)	Mil. dol	461	1,159	1,069	1,060	949	461	173	67	37	32
Mining and milling	Mil. dol	251	760	617	642	625	300	96	30	12	14
Exploration	Mil. dol	210	399	452	418	324	161	77	37	25	18
Employment	1,000	9.7	18.8	21.4	22.2	19.9	13.7	9.1	5.6	2.9	1.9
Mining and milling	1,000	7.6	14.6	17.0	18.1	16.5	11.4	8.3	5.2	2.7	1.7
Exploration	1,000	2.0	4.1	4.4	4.1	3.4	2.3	.8	.4	.2	.2

NA Not available. [1] Natural U_3O_8 only. [2] Includes natural U_3O_8 (uranium oxide), natural UF_6 (uranium hexafluoride), natural UF_6 under usage agreement, UF_6 at enrichment suppliers, enriched UF_6 and fabricated fuel. [3] Average U.S. contract prices and market price settlements.

Source: U.S. Department of Energy, *Domestic Uranium Mining and Milling Industry*, annual, and *Uranium Industry*, annual.

No. 1209. Zinc—Summary: 1970 to 1987

[Production in thousands of short tons. Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 249-250, for production]

ITEM AND STATE	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Smelter production, primary slab zinc	**878**	**438**	**448**	**521**	**375**	**382**	**252**	**280**	**279**	**288**	**279**	**296**
Value (mil. dol.)	236	341	278	389	281	341	194	215	271	232	212	250
From domestic ores	404	308	295	281	256	286	213	232	218	218	211	233
From foreign ores	474	130	154	240	120	96	38	28	61	70	69	64
Production, redistilled secondary slab zinc	77	58	38	59	32	55	82	76	86	80	69	80
vg. price of common zinc (cents per lb.)	15.3	39.0	31.0	37.3	37.4	44.6	38.5	41.4	48.6	40.4	38.0	41.9
orld smelter production, est	5,321	5,526	6,483	6,900	6,668	6,708	6,497	6,888	7,194	7,544	7,478	7,600
orld smelter and refining capacity	(NA)	(NA)	8,487	8,524	(NA)	(NA)	(NA)	8,529	8,600	8,700	9,046	9,200
ine production, recoverable zinc	**534**	**468**	**334**	**295**	**350**	**344**	**334**	**303**	**279**	**250**	**224**	**239**
Colorado	57	48	24	11	15	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	41	41	36	33	31	(D)	(D)	(D)	(D)	(D)	(Z)	(D)
Missouri	51	75	65	66	69	56	70	63	50	54	42	39
New York	59	77	29	13	37	41	58	63	(D)	(D)	(D)	(D)
Tennessee	118	83	97	94	123	130	134	121	128	115	113	128
Other States	208	145	83	76	75	116	72	56	101	81	69	72

D Withheld to avoid disclosure of individual company data. NA Not available. Z Less than 500 tons.

Source: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Facts and Problems*.

No. 1210. Bauxite—Summary: 1970 to 1987

[See also *Historical Statistics, Colonial Times to 1970*, series M 256-257]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
roduction:												
Crude ore	Mil. lg. ton	2.5	2.2	2.2	1.8	1.8	.9	.8	1.0	.8	.6	.7
Dried bauxite	Mil. lg. ton	2.1	1.8	1.8	1.5	1.5	.7	.7	.8	.7	.5	.6
Value	Mil. dol	30.1	25.1	24.9	22.4	26.5	12.3	11.3	15.6	12.9	10.4	10.9
ports[1] (crude, dried)	Mil. lg. ton	13.6	11.5	13.6	13.9	12.6	10.0	7.5	9.3	7.0	6.4	9.0
Jamaica	Mil. lg. ton	7.5	5.4	6.4	6.0	5.4	4.1	3.1	3.7	1.5	2.1	2.8
Guinea	Mil. lg. ton	.5	2.6	3.9	4.0	3.6	4.3	3.7	3.7	3.7	3.3	4.1
Suriname	Mil. lg. ton	2.9	1.9	1.5	1.3	1.1	.4	.2	.3	.2	.1	.1
Value	Mil. dol	(NA)	(NA)	(NA)	380.5	392.6	360.4	226.9	310.9	210.1	188.8	233.6
ports (as shipped)	1,000 lg. ton	3	19	24	28	40	48	73	81	55	68	198
Value	Mil. dol	.2	1.7	3.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
onsumption (dry equivalent)	Mil. lg. ton	15.7	12.4	15.4	15.7	13.3	9.1	9.0	10.4	8.1	6.8	9.4
orld production, est	Mil. lg. ton	56.9	73.6	84.2	87.8	84.0	78.1	77.4	86.4	83.0	84.6	85.0

NA Not available. [1] Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1211. Aluminum—Summary: 1970 to 1987

[See also *Historical Statistics, Colonial Times to 1970*, series M 258-262]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987[1]
Production	Mil. sh. ton	4.8	4.9	6.4	6.5	6.4	5.2	5.4	6.4	5.8	5.3	5.9
mary aluminum	Mil. sh. ton	4.0	3.9	5.0	5.1	4.9	3.6	3.7	4.5	3.9	3.3	3.7
Plant capacity	Mil. sh. ton	4.3	5.0	5.3	5.5	5.5	5.5	5.5	5.4	5.2	4.5	4.3
condary aluminum[2]	Mil. sh. ton	.8	1.0	1.4	1.4	1.5	1.6	1.7	1.9	1.9	2.0	2.2
Value[3] (primary metal)	Bil. dol	2.6	3.7	7.8	9.3	9.8	8.0	8.5	10.4	9.3	8.6	8.5
mary aluminum	Bil. dol	2.2	3.0	6.1	7.3	7.5	5.5	5.8	7.3	6.2	5.4	5.3
Price (cents per lb.[4])	Cents/lb	28.7	39.8	61.0	71.6	76.0	76.0	77.8	81.0	81.0	[5] 81.0	72.3
condary aluminum[3]	Bil. dol	.5	.8	1.7	2.0	2.3	2.5	2.7	3.1	3.1	3.2	3.2
ports for consumption[6]	1,000 sh. ton	468	550	840	713	935	968	1,203	1,628	1,565	2,168	2,039
Value	Bil. dol	.2	.4	1.0	1.0	1.4	1.3	1.6	2.5	2.0	2.7	2.9
ports[6]	1,000 sh. ton	612	440	773	1,483	867	824	855	809	1,001	830	1,010
Value	Bil. dol	.4	.4	1.1	2.4	1.5	1.2	1.3	1.3	1.3	1.2	1.6
pments[7] (net domestic)	Mil. sh. ton	4.5	4.6	6.9	6.1	6.2	5.6	6.4	7.2	7.0	7.2	7.6
rld production, est	Mil. sh. ton	10.6	13.4	16.0	17.0	16.6	14.8	15.3	17.3	16.9	16.9	17.7
rld plant capacity	Mil. sh. ton	12.0	16.4	19.4	18.7	19.0	19.2	19.5	20.1	19.9	19.7	19.7

[1] Preliminary. [2] Recoverable aluminum content from scrap, old and new. [3] Calculated based on published prices for mary metal. See footnote 4. [4] 1970 and 1975, average aluminum price, from *American Metal Market;* 1979-1986, U.S. ducer prices, from *Metals Week;* thereafter, U.S. market price, from *Metals Week.* [5] Based on 7 months. [6] Crude and micrude (including metal and alloys, plates, bars, etc., and scrap). [7] Compiled by Aluminum Association from data on net pments of aluminum and mill products. Includes changes in aluminum industry and government inventories and net trade.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1212. Magnesium—Summary: 1970 to 1987

[**In thousands of short tons, except as indicated.** Magnesium metal is used primarily in the manufacturing of aircraft, automotive, and other types of transportation equipment, material-handling equipment, power tools, and alloying with other metals]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987[1]
Production (domestic)	124	148	200	209	200	145	161	207	196	185	187
Primary [2]	112	120	162	169	154	102	115	159	150	138	137
Secondary (recovered from scrap)	12	28	37	40	46	43	46	48	46	46	50
Exports	36	33	54	57	35	40	47	48	40	44	49
Value (mil. dol.)	22.5	48.2	113.8	127.7	90.8	104.8	124.7	136.7	113.6	122.4	130.7
Imports	3	8	5	4	7	5	6	9	9	9	12
Value (mil. dol.)	2.5	11.5	9.0	8.3	17.6	15.6	16.3	25.7	25.1	24.6	31.0
Consumption	93	94	109	96	91	75	82	90	84	77	80
Castings and wrought products	23	19	19	17	15	14	15	14	17	18	19
Alloys (aluminum)	37	47	61	54	51	40	46	49	41	41	55
Other	33	28	29	24	25	21	21	27	26	18	19
Price per pound (cents)	35	82	101–109	107–125	125–134	134	138	143–148	148–153	153	153
World production (primary)	242	258	339	348	340	280	286	360	362	359	[3] 360

[1] Preliminary. [2] For 1975–1980, figures are the difference between total North American production reported by the International Magnesium Association and Canadian production. [3] Estimated.

No. 1213. Platinum-Group Metals—Summary: 1970 to 1987

[**In thousands of troy ounces, except as indicated.** The platinum group is comprised of six closely related metals. The metals commonly occur together in nature and are among the scarcest of the metallic elements. The metals are refractory, are chemically inert toward a wide variety of materials even at high temperatures; are used as catalysts in the chemical, petroleum refining, and automotive industries, and as corrosion-resistant materials in the chemical, electrical, glass, and dental-medical industries]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987[1]
World mine production, total [2]	**4,239**	**5,714**	**6,487**	**6,848**	**6,931**	**6,424**	**6,525**	**7,653**	**7,941**	**8,314**	**8,671**
United States	17	19	7	3	7	8	6	15	(D)	(D)	(D)
Soviet Union	2,200	2,650	3,200	3,250	3,350	3,500	3,600	3,700	3,800	3,850	3,900
South Africa	1,503	2,600	3,017	3,100	3,110	2,600	2,600	3,500	3,700	3,960	4,220
Primary refined	21	17	8	3	7	9	9	24	7	4	6
Secondary refined	350	270	309	331	392	344	303	340	259	354	165
Imports	1,411	1,820	3,479	3,502	2,850	2,494	3,218	4,474	3,990	4,477	3,807
Value (mil. dol.)	105	273	841	1,177	800	554	753	1,118	1,026	1,347	1,240
Exports	414	660	900	765	863	836	1,229	1,162	889	751	708
Value (mil. dol.)	43	88	202	341	302	182	310	275	187	202	225
Consumption [3]	1,331	1,309	2,756	2,206	1,921	1,873	1,914	2,200	2,271	2,080	1,944
Industry stocks, Jan. 1	1,068	1,122	861	761	973	918	1,107	943	1,319	1,129	[illegible]
Producer price per troy ounce (dol.):											
Platinum	133	164	352	439	475	475	475	475	475	519	600
Palladium	38	93	113	214	130	110	130	147	127	131	150
Rhodium	215	338	733	766	641	600	600	625	915	1,196	1,229
Iridium	156	477	257	505	600	600	600	600	600	600	532
Ruthenium	53	60	45	45	45	45	45	[4] 45	([4])	([4])	([4])
Osmium	215	200	150	150	150	137	110	([5])	([5])	([5])	([5])

D Withheld to avoid disclosing company proprietary data. [1] Preliminary. [2] Includes countries not shown separately. [3] Reported sales to consumers. [4] Price suspended June 7, 1984. [5] Price suspended Jan. 13, 1984.

No. 1214. Titanium—Summary: 1970 to 1987

[In 1985, approximately 63 percent of the titanium metal was used in jet engines, airframes, and space and missile applications; approximately 20 percent was used in the chemical processing industry, power generation, and in marine and ordinance applications; and 17 percent in steel and other alloys]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987[1]
Ilmenite concentrate:												
Mine shipments	1,000 sh. ton	921	702	646	594	524	233	(D)	(D)	(D)	(D)	[illegible]
Value	Mil. dol	18.6	26.9	33.0	32.0	37.0	19.1	(D)	(D)	(D)	(D)	[illegible]
Imports	1,000 sh. ton	96	122	184	357	236	348	259	410	507	466	[illegible]
Value	Mil. dol	1.0	2.1	2.8	6.7	5.9	8.8	9.3	11.1	14.6	16.8	[illegible]
Consumption	1,000 sh. ton	972	748	791	849	856	583	731	783	756	806	[illegible]
Titanium dioxide pigments:												
Production	1,000 sh. ton	655	603	742	727	761	660	790	835	864	931	[illegible]
Imports for consumption	1,000 sh. ton	60	26	105	98	125	139	175	194	196	203	[illegible]
Apparent consumption	1,000 sh. ton	(NA)	596	837	753	806	741	853	916	985	1,001	[illegible]
Price, Dec. 31:												
Anatase	Cents/lb	26	39	53	57	69	69	69	69	72	77	[illegible]
Rutile	Cents/lb	26–27	44	59	63	75	75	75	75	76	82	[illegible]
World production:												
Ilmenite concentrate	1,000 sh. ton	3,109	3,194	3,910	4,107	4,021	3,339	[2] 2,954	[2] 3,837	[2] 3,897	[2] 3,741	[illegible]
Titanium slag	1,000 sh. ton	853	832	842	1,313	1,245	1,157	1,160	1,260	1,410	1,417	[illegible]
Rutile concentrate, natural [2]	1,000 sh. ton	460	422	390	480	399	373	348	376	411	433	[illegible]

D Withheld to avoid disclosing company proprietary data. NA Not available. [1] Preliminary. [2] Excludes U.S. production data to avoid disclosing company proprietary data.

Source of tables 1212–1214: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1215. CHROMITE—SUMMARY: 1970 TO 1987

[In thousands of short tons, except as indicated]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
mports for consumption [1]	1,405	1,252	1,024	982	898	507	190	305	414	488	540
Value (mil. dol.)	31.8	60.7	55.6	56.5	49.9	29.7	10.4	15.5	20.2	21.7	23.8
South Africa	407	289	353	405	482	277	144	235	301	341	276
Soviet Union	248	349	250	170	111	34	(Z)	–	–	22	21
Philippines	210	210	194	138	145	70	13	48	41	19	16
Exports	41	139	27	6	71	8	11	55	101	92	1
Reexports	73	45	28	44	67	57	5	4	4	1	5
Consumption, total	1,403	881	1,214	977	889	558	320	512	560	427	556
Metallurgical industry	912	532	774	577	503	283	64	226	273	[2] 377	[2] 505
Refractory industry	278	183	198	160	148	80	72	97	65	50	50
Chemical industry	213	166	242	240	238	195	184	189	222	([2])	([2])
Stocks, Dec. 31 (consumer)	733	952	907	675	728	546	456	327	300	314	364
World production [1]	6,672	9,136	10,277	10,915	10,018	9,231	9,050	10,777	11,668	12,327	12,222
South Africa	1,573	2,288	3,634	3,763	3,164	2,680	2,718	3,756	4,077	4,307	4,175
Soviet Union	1,930	2,290	2,535	3,200	3,200	3,240	3,240	3,240	3,240	3,470	3,470
Philippines	624	573	613	547	484	355	294	288	300	202	190

- Represents zero. Z Fewer than 500 short tons. [1] Includes countries not shown separately. [2] For 1986-87, chemical industry included with metallurgical industry.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1216. FERROALLOYS—SUMMARY: 1970 TO 1987

[Domestic production data for ferroalloys are developed by the Bureau of Mines by means of monthly and annual surveys. Ferroalloy is defined as an alloy of iron and contains a sufficient amount of one or more chemical elements to be useful as an agent for introducing these elements into molten metal, usually steel. The major consumers of ferroalloys are the steel and ferrous foundry industries; see tables 1296-1301]

ITEM	QUANTITY (1,000 sh. tons)						VALUE (mil. dol.)					
	1970	1975	1980	1985	1986	1987, prel.	1970	1975	1980	1985	1986	1987, prel.
Domestic shipments [1]	**2,489.6**	**1,768.1**	**1,485.1**	**941.7**	**854.6**	(NA)	**546.1**	**906.7**	**1,129.9**	**699.2**	**664.8**	(NA)
Ferromanganese [2]	807.4	556.1	194.3	156.6	111.6	(NA)	134.5	222.5	99.6	100.9	90.9	(NA)
Silicomanganese	173.0	126.4	161.6	([3])	([3])	([3])	32.0	53.9	70.3	([3])	([3])	([3])
Manganese metal	(NA)	22.1	(NA)	([3])	([3])	([3])	(NA)	(NA)	(NA)	([3])	([3])	([3])
Ferrosilicon	659.2	709.9	681.4	404.7	371.3	375.0	136.2	321.5	442.6	190.4	218.4	(NA)
Silicon metal	97.7	131.1	124.5	121.6	126.1	140.5	(NA)	(NA)	(NA)	157.2	148.8	(NA)
Chromium alloys	370.9	223.5	237.5	108.5	115.7	126.5	128.3	177.5	179.9	97.7	87.6	(NA)
Ferrocolumbium	1.4	.5	1.3	(D)	(D)	(D)	9.4	3.5	34.5	8.8	(D)	(D)
Ferrophosphorus	176.1	96.0	85.4	54.9	53.8	(NA)	6.5	10.9	13.1	7.9	7.2	(NA)
U.S. exports	(NA)	(NA)	**155.5**	**106.0**	**83.7**	(NA)	(NA)	(NA)	**173.8**	**135.3**	**115.2**	(NA)
Ferroalloys	151.1	97.4	128.5	98.5	72.8	(NA)	55.7	58.9	93.1	63.4	39.2	(NA)
Metals [1]	(NA)	(NA)	27.0	7.5	10.8	15.1	(NA)	(NA)	80.7	71.9	76.0	115.9
Silicon	(NA)	(NA)	14.4	2.1	5.4	9.3	(NA)	(NA)	65.5	61.6	65.2	106.2
Manganese	3.0	3.3	12.3	5.2	5.1	5.8	2.0	3.3	11.5	7.2	7.9	9.7
U.S. imports	(NA)	**927.3**	**1,149.1**	**1,131.2**	**1,314.2**	**1,228.7**	(NA)	**482.9**	**643.7**	**600.5**	**641.3**	**642.6**
Ferroalloys [1]	385.5	913.6	1,115.9	1,066.9	1,259.2	1,123.7	60.5	466.0	585.9	486.4	544.6	436.0
Manganese alloys	305.5	451.9	683.5	532.7	594.5	559.1	33.3	151.4	240.8	155.9	179.4	172.1
Ferrosilicon	22.4	70.4	71.2	155.4	223.0	230.7	4.1	42.0	42.6	74.0	100.6	108.7
Chromium alloys	41.3	322.9	302.3	335.0	397.6	333.9	9.6	192.7	155.8	158.6	178.4	155.2
Metals	(NA)	13.7	33.2	64.3	55.0	50.2	(NA)	16.9	57.8	112.0	96.6	108.0
Silicon	(NA)	7.7	21.3	51.8	40.9	36.9	(NA)	6.2	21.4	83.4	65.2	74.3
Chromium	1.9	1.6	4.1	4.0	4.5	4.4	3.1	6.6	28.4	19.6	21.6	24.1
Manganese	1.3	4.4	7.9	8.6	9.7	8.9	.5	4.0	8.0	9.1	9.8	9.6

D Withheld to avoid disclosure of individual company data. NA Not available. [1] Includes other not shown separately. [2] Includes fused-salt electrolytic low and medium-carbon ferromanganese. [3] Included with ferromanganese.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1217. BERYLLIUM—SUMMARY: 1970 TO 1987

[**In short tons, except as indicated** Represents beryllium mineral concentrates. Beryllium has great stiffness, (exceeding that of other metals, including steels), useful heat dissipation properties, a very high strength-to-weight ratio, useful nuclear moderating and reflecting properties, and excellent corrosion resistance. Its major use is as a beryllium-copper alloy in communications, computers, switching, and other electronic and electrical applications]

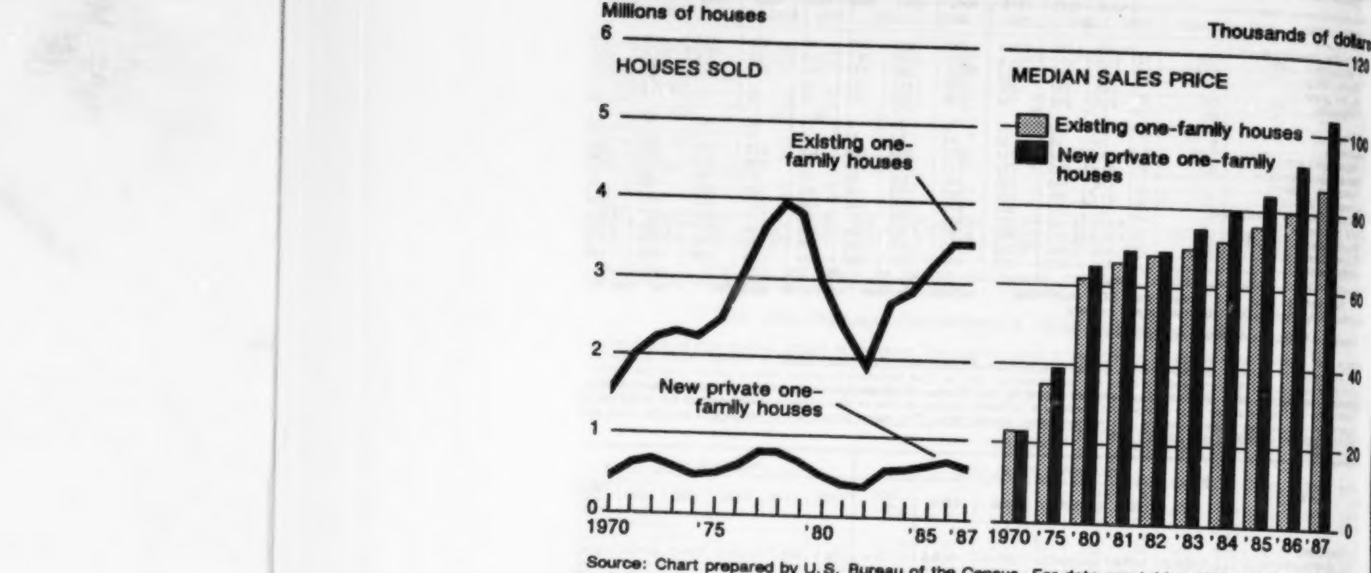
ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Imports for consumption	4,942	1,479	1,037	1,703	2,138	2,652	2,194	1,332	1,646	1,510	2,302
Consumption [1]	9,406	4,850	9,518	8,506	8,141	5,387	6,989	9,003	(NA)	(NA)	(NA)
Price, per short ton unit BeO [2] (dollars)	35	32	47	69	94	121	126	86	87	88	84
Yearend stocks [1]	5,696	3,546	835	1,350	2,223	5,112	7,037	5,653	(NA)	(NA)	(NA)
World production of beryl	6,857	3,290	2,642	10,272	10,609	9,003	9,950	9,850	8,964	9,897	9,460

NA Not available. [1] Includes bertrandite ore which was calculated as equivalent to beryl containing 11% BeO. [2] Approximate.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

Figure 26.1

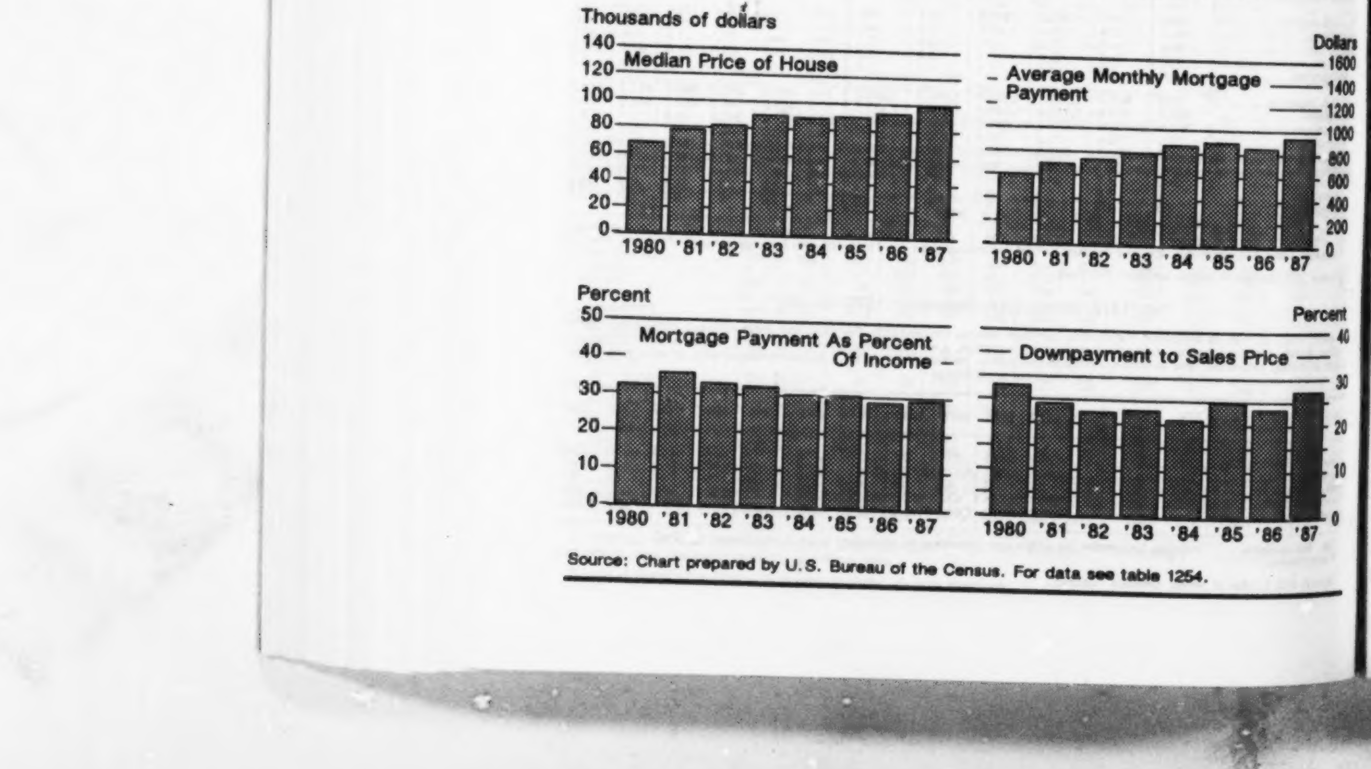
Houses Sold and Sales Price: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 1232, 1233 and 1236.

Figure 26.2

Recent Home Buyers–General Characteristics: 1980 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1254.

Section 26

Construction and Housing

This section presents data on the construction industry and on various indicators of its activity and costs; on housing units and their characteristics and occupants; on public housing; on mortgages; and on commercial buildings.

The principal source of these data is the U.S. Bureau of the Census, which issues a variety of current publications. Construction statistics compiled by the Bureau appear in its monthly *Current Construction Reports* series with various quarterly or annual supplements; *Housing Starts* and *Housing Completions* present data by type of structure and by 4 major census regions; *New One-Family Houses Sold and For Sale* also provides statistics annually on physical and financial characteristics for all new housing by the 4 major census regions; *Value of New Construction Put in Place* includes monthly composite construction cost indexes; *Price Index of New One-Family Houses Sold* presents quarterly figures and annual regional data; and *Housing Units Authorized by Building Permits* covers approximately 17,000 permit-issuing jurisdictions in the United States. Statistics on expenditures by owners of residential properties are issued quarterly and annually in *Expenditures for Residential Upkeep and Improvements.* Reports of the censuses of construction industries (see below) are also issued on various topics.

Other Census Bureau publications include the *Current Housing Reports* series, which comprises the quarterly *Housing Vacancies,* the quarterly *Market Absorption of Apartments,* the American Housing Survey (formerly Annual Housing Survey) and reports of the censuses of housing and of construction industries. *Construction Review,* published quarterly by the International Trade Administration, U.S. Department of Commerce, contains many of the census series and other construction statistics series from the Federal Government and private agencies.

Other sources include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY, which presents State data on construction contracts; the National Association of Home Builders with State-level data on housing starts; the NATIONAL ASSOCIATION OF REALTORS, which presents data on existing home sales; the Bureau of Economic Analysis, which presents data on residential capital and gross housing product; and the Federal Home Loan Bank Board, the Department of Housing and Urban Development (HUD), and the Veterans Administration, which publish financial data. Data on conventional home mortgages are provided by the Federal Home Loan Bank Board. The Department of Housing and Urban Development provides data on the gross flow of long-term mortgage loans in its study, *The Supply of Mortgage Credit, 1970-1979.* Data on mortgages insured by the Federal Housing Administration (FHA) and on VA-guaranteed loans are also presented in this section. The Energy Information Administration provides data on commercial buildings through its periodic sample surveys.

Censuses and surveys.—Censuses of the construction industry were first conducted by the Bureau of the Census for 1929, 1935, and 1939; beginning in 1967, a census has been taken every five years (for years ending in "2" and "7"). The latest reports are for 1982.

The 1982 Census of Construction Industries, in accordance with the 1972 *Standard Industrial Classification Manual* (see text, section 13), defines a construction establishment as a relatively permanent place of business where the usual business activities related to construction are conducted.

From 1850 through 1930, the Bureau of the Census collected some housing data as part of its censuses of population and agriculture. Beginning in 1940, separate censuses of housing have been taken at 10-year intervals. For the 1970 and 1980 censuses, data on year-round housing units were collected and issued on occupancy and structural characteristics, plumbing facilities, value, and rent.

Evaluation studies of the 1950, 1960, 1970, and 1980 censuses estimated the underenumeration of occupied housing units at 2.9 percent, 2.4 percent, 1.7 percent, and 1.5 percent respectively. The missed rate in 1980 for all housing units was 2.6 percent or approximately 2.3 million units, 1 million of which were vacant housing units.

The American Housing Survey (*Current Housing Reports*, series H-150 and H-170), which began in 1973, provided an annual and ongoing series of data on selected housing and demographic characteristics until 1983. In 1984 the name of the survey was changed from the Annual Housing Survey. It is currently based on a biennial national sample and on 11 annual MSA samples. All samples represent a cross section of the housing stock in their respective areas. Estimates are subject to both sampling and nonsampling errors; caution should therefore, be used in making comparisons with 1970 and 1980 census data.

Data on residential mortgages were collected continuously from 1890 to 1970, except 1930, as part of the decennial census by the Bureau of the Census. Since 1973, mortgage status data, which are limited to single family homes on less than ten acres with no business on the property, have been presented in the American Housing Survey.

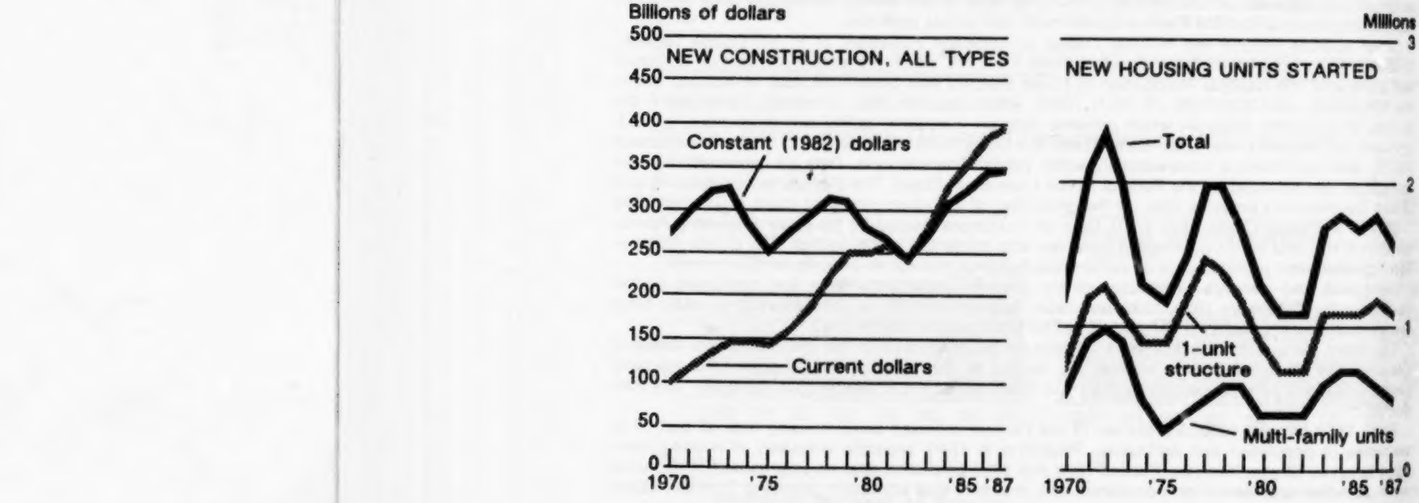
Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters; that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Figure 26.3

Value of New Construction and Housing Units Started: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 1221 and 1228.

No. 1218. Construction Industries—Summary, by Industry: 1982

[Based on a probability sample of about 172,000 construction establishments with payroll in 1982; see Appendix III. N.e.c.=Not elsewhere classified]

INDUSTRY	Establishments with payroll (1,000)	EMPLOYEES (1,000)		PAYROLL (mil. dol.)		RECEIPTS (mil. dol.)		Value added [2] (mil. dol.)
		Total	Construction workers	Total	Construction workers	Total	Net construction [1]	
All industries, total	**456.7**	**4,275**	**3,453**	**78,666**	**60,175**	**324,512**	**233,267**	**145,965**
Contract construction	450.8	4,235	3,438	78,097	60,017	321,100	232,005	144,946
General building contractors	123.2	994	756	17,049	11,647	117,111	57,367	33,588
Single-family houses	72.1	310	253	3,606	2,749	20,129	14,116	7,877
Other residential buildings	7.5	63	50	1,078	760	7,953	3,570	1,951
Operative builders	14.1	108	53	1,874	710	18,085	8,841	5,492
Industrial buildings and warehouses	7.4	154	122	3,231	2,344	18,119	9,294	5,756
Nonresidential buildings, n.e.c	22.1	380	278	7,260	5,085	52,825	21,547	12,512
Heavy construction contractors	28.2	852	703	19,444	15,359	71,024	54,654	36,060
Highway and street construction	10.1	213	180	3,989	3,136	19,035	14,987	8,633
Bridge, tunnel, and elevated highway	1.0	38	32	816	665	3,549	2,812	1,468
Water, sewer, and utility lines	9.4	187	160	3,576	2,907	12,129	10,462	7,005
Heavy construction, n.e.c	7.7	415	329	11,063	8,649	36,310	26,392	18,953
Special trade contractors [3]	299.4	2,389	1,979	41,605	33,011	132,965	119,984	75,299
Plumbing, heating, air-conditioning	60.2	512	398	9,861	7,477	33,521	28,846	16,962
Painting, paperhanging, decorating	24.8	136	121	1,876	1,589	4,688	4,399	3,360
Electrical work	39.6	435	352	9,107	7,347	26,441	25,252	15,123
Masonry and other stonework	20.2	121	110	1,551	1,344	4,333	4,046	2,667
Plastering, drywall, insulation	16.4	200	172	3,573	2,930	10,206	9,215	6,009
Carpentering	30.8	133	117	1,612	1,352	5,512	4,759	2,929
Roofing and sheet metal work	21.1	191	159	3,035	2,321	10,034	9,315	5,460
Concrete work	20.0	157	138	2,310	1,902	8,377	7,447	4,492
Structural steel erection	3.7	62	53	1,291	1,056	3,650	3,233	2,376
Excavating and foundation work	19.6	136	115	2,152	1,757	8,473	7,337	5,507
Installing building equipment, n.e.c	3.8	60	49	1,449	1,145	4,256	3,971	2,052
Special trade contractors, n.e.c	25.1	172	136	2,960	1,931	9,379	8,324	5,306
Subdividers and developers, n.e.c	5.9	40	15	569	157	3,425	1,263	1,019

[1] Construction receipts less payments for construction work subcontracted to others, not shown separately. [2] Total receipts less (a) payments for materials, components, and supplies, (b) payments for construction work subcontracted to others, not shown separately. [3] Includes other industries each with less than $3.0 billion in total receipts, not shown separately.

Source: U.S. Bureau of the Census, *Census of Construction Industries, 1982,* series CC.

No. 1219. Construction Materials—Producer Price Indexes: 1970 to 1987

[1982=100, except as noted. For discussion of producer price index, see text, section 15. Covers materials incorporated as integral part of a building or normally installed during construction and not readily removable. Excludes consumer durables such as kitchen ranges, refrigerators, etc. See *Historical Statistics, Colonial Times to 1970,* series N 140–155 for similar data]

COMMODITY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Interior solvent based paint	40.1	60.2	91.3	97.4	100.0	100.0	103.9	107.3	109.9	111.6
Plastic construction products	65.5	83.5	103.9	104.3	100.0	110.1	115.5	108.6	106.4	108.4
Douglas fir, dressed	40.8	79.6	132.6	117.1	100.0	135.8	123.2	126.5	124.5	125.1
Southern pine, dressed	40.1	61.3	104.0	102.0	100.0	111.9	111.9	105.2	104.9	114.1
Millwork	41.5	57.4	93.2	97.8	100.0	108.2	110.2	111.7	113.7	117.7
Softwood plywood	40.3	71.1	109.5	108.7	100.0	110.0	107.6	107.4	109.4	109.8
Hardwood plywood and related products	56.6	66.0	97.5	99.3	100.0	99.3	99.6	89.9	91.0	92.9
Softwood plywood veneer, ex. reinforced/backed	(NA)	75.2	126.0	118.9	100.0	103.1	103.3	100.1	105.9	108.4
Building paper and building board mill products	42.2	53.1	86.1	96.7	100.0	104.4	108.2	107.4	108.8	111.2
Sheet, coiled, bare, siding	38.7	56.2	87.8	99.1	100.0	101.7	113.2	106.2	100.2	(NA)
Tube, drawn, 6000 alloy series	35.6	56.5	85.6	94.0	100.0	100.9	109.7	109.7	109.8	111.2
Copper tubing, plumbing	(NA)	(NA)	(NA)	115.2	100.0	104.6	105.1	103.6	106.0	(NA)
Builders hardware	41.7	58.7	84.9	94.4	100.0	104.8	109.3	113.5	115.8	117.4
Plumbing fixtures and brass fittings	39.9	58.2	88.5	96.0	100.0	103.8	108.6	111.9	115.5	119.7
Heating equipment	46.6	63.5	87.0	94.5	100.0	102.7	106.6	109.5	113.0	115.5
Metal doors, sash, and trim	38.9	55.9	87.8	96.0	100.0	102.8	106.6	107.3	108.9	112.0
Roofing, steel	32.4	62.8	87.5	98.3	100.0	(NA)	101.6	100.4	100.0	97.7
Siding, aluminum [1]	(NA)	(NA)	(NA)	(NA)	(NA)	101.3	112.4	110.1	104.8	104.4
Fabricated structural metal for buildings	35.0	64.1	86.4	94.7	(NA)	98.8	100.3	103.2	103.9	107.6
Fabricated concrete reinforcing bars	(NA)	(NA)	104.2	102.6	100.0	90.8	94.8	94.4	93.3	90.8
Incandescent outdoor	34.4	53.0	82.7	92.6	100.0	104.7	109.2	109.2	112.0	117.2
Commercial fluorescent fixtures, recessed non-air	51.1	61.0	81.8	93.4	100.0	99.5	103.3	104.6	105.9	104.9
Industrial fluorescent fixtures, general types	44.5	59.6	82.5	90.9	(NA)	103.0	108.6	112.5	113.4	111.9
Bright nails	31.4	66.1	90.9	97.7	100.0	98.0	99.4	100.2	99.8	101.2
Welded steel wire fabric for concrete reinforcing	40.6	(NA)	98.9	98.6	100.0	98.5	101.9	101.3	98.8	98.3
Elevators, escalators, and other lifts	42.3	62.0	87.3	92.7	100.0	97.3	97.1	97.7	99.2	100.4
Fans and blowers, except portable	34.3	60.5	88.1	95.6	100.0	100.5	103.7	107.1	109.4	110.5
Stamped metal outlet box	31.4	(NA)	82.7	91.2	100.0	105.2	114.9	119.7	152.0	160.1
Hard surface floor coverings	41.0	60.7	93.3	98.2	100.0	102.8	106.0	110.5	113.4	116.1
Concrete ingredients and related products	36.3	55.6	88.4	95.6	100.0	101.1	105.1	108.5	109.4	110.4
Concrete products	37.7	57.3	92.0	97.8	100.0	101.4	103.9	107.5	109.2	109.4
Clay construction products exc. refractories	42.1	58.0	88.8	95.6	100.0	106.5	110.0	113.5	118.0	121.4
Prep. asphalt and tar roofing and siding products	28.8	61.7	105.5	101.6	100.0	94.1	97.7	100.5	96.8	91.9
Other asphalt roofing	19.3	45.9	86.8	103.8	100.0	101.4	105.6	105.6	97.8	90.5
Gypsum products	38.9	56.2	100.1	100.1	100.0	111.7	135.4	132.3	137.0	125.2
Insulation materials	34.6	55.0	80.7	(NA)	100.0	103.7	104.0	105.2	105.7	105.0
Paving mixtures and blocks	18.1	44.0	83.7	100.5	100.0	100.9	106.1	111.6	104.9	100.8

NA Not available. [1] December 1982=100.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes,* monthly and annual; and unpublished data.

No. 1220. Price and Cost Indexes for Construction: 1970 to 1987

[**1982=100.** Excludes Alaska and Hawaii. Indexes of certain of these sources are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1970,* series N 118-137, for construction cost indexes on a 1947-49 base]

NAME OF INDEX	1970	1975	1979	1980	1981	1983	1984	1985	1986	1987
Price index for new one-family houses sold [1]	35.1	52.3	80.1	88.8	97.0	102.6	106.3	108.4	111.3	113.7
Dept. of Commerce composite [2]	36.5	56.4	80.9	89.7	97.1	102.6	106.4	109.6	111.8	114.3
Federal Highway Admin., composite, Highways [3]	39.5	65.9	97.1	111.0	106.7	99.8	105.6	117.2	116.9	117.2
Bureau of Reclamation composite [4]	37	59	78	87	95	101	103	105	106	107
Turner Construction Co.: Building construction [5]	40	61	76	84	93	105	111	115	118	122
E.H. Boeckh, building cost index: [6]										
Small residential structures	38.3	57.4	80.7	87.4	92.2	105.9	111.9	115.1	117.3	119.7
Apartments, hotels, and office buildings	38.3	57.1	76.5	83.4	91.6	106.4	111.2	113.0	114.9	117.3
Commercial and factory buildings	36.6	56.2	77.1	84.1	92.2	105.3	109.4	111.3	113.2	115.1
Engineering News-Record: [7]										
Building construction	37.4	58.5	81.4	87.0	93.9	106.7	108.2	108.7	111.2	113.8
General construction	36.2	57.3	78.5	84.6	92.5	106.3	108.4	109.7	112.3	115.2
Handy-Whitman public utility: [8]										
Building	37	66	86	95	100	103	107	110	113	115
Electric light and power [9]	35	60	79	87	95	103	105	107	107	109

[1] Excludes value of site. [2] Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction. [3] Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete). [4] Derived from the four quarterly indexes which are weighted averages of costs of labor, materials, and equipment for the construction of dams and reclamation projects. [5] Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs. [6] Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and Social Security payroll taxes. [7] Building construction index computed on basis of hypothetical unit of construction requiring 6 bbl. of portland cement, 1,088 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. [8] Based on data covering public utility construction costs for 95 items in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs. [9] As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review,* bimonthly.

No. 1221. Value of New Construction Put in Place: 1960 to 1987

[**In millions of dollars.** Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970,* series N 1-29 and N 66-69]

YEAR	CURRENT DOLLARS					CONSTANT (1982) DOLLARS				
	Total	Private			Public	Total	Private			Public
		Total	Residential buildings	Nonresidential buildings			Total	Residential buildings	Nonresidential buildings	
1960	54,738	38,875	22,975	10,149	15,863	(NA)	(NA)	(NA)	(NA)	(NA)
1965	78,474	56,554	30,235	17,995	21,920	276,033	198,783	107,240	63,223	77,250
1966	81,812	57,966	28,611	19,701	23,846	275,956	195,319	96,982	66,596	80,637
1967	83,521	58,144	28,737	18,855	25,377	272,964	189,976	94,372	61,929	82,988
1968	93,183	65,745	34,172	19,402	27,437	288,451	203,456	106,280	59,942	84,995
1969	100,464	72,671	37,214	22,530	27,793	291,289	210,743	108,935	64,348	80,546
1970	101,281	73,374	35,863	22,770	27,908	277,618	202,969	102,285	60,951	74,650
1971	117,904	88,205	48,514	23,872	29,699	302,795	229,096	130,477	58,786	73,699
1972	133,887	103,857	60,693	26,025	30,030	323,535	253,192	152,582	59,959	70,343
1973	147,368	115,020	65,085	29,949	32,348	327,299	257,106	148,976	63,808	70,194
1974	147,763	109,631	55,967	31,325	38,132	285,186	216,796	116,614	58,274	68,390
1975	144,311	102,610	51,581	27,545	41,702	255,670	186,284	98,542	49,037	69,387
1976	162,953	122,064	68,273	27,026	40,889	276,864	210,507	122,513	46,138	66,357
1977	188,048	148,607	92,004	29,693	39,441	295,876	235,366	148,320	47,114	60,510
1978	225,934	178,440	109,838	37,560	47,495	315,895	251,057	154,884	53,610	64,839
1979	252,411	200,720	116,444	49,505	51,690	311,973	250,349	144,450	62,877	61,624
1980	251,719	193,251	100,381	55,431	58,468	280,741	218,813	112,972	63,833	61,928
1981	260,160	203,611	99,241	64,695	56,549	268,055	211,039	102,140	67,756	57,016
1982	246,568	192,855	84,676	69,355	53,713	246,603	192,794	84,645	69,325	53,809
1983	281,266	227,494	125,521	65,675	53,772	274,106	220,729	122,098	63,234	53,377
1984	328,641	270,977	153,849	81,147	57,664	308,765	253,478	144,393	74,767	55,287
1985	355,735	291,665	158,474	95,317	64,070	324,611	266,658	145,804	85,497	57,953
1986	386,093	314,652	187,148	91,171	71,441	345,332	281,756	168,573	79,823	63,576
1987	398,850	323,820	194,772	91,994	75,030	348,995	282,951	171,310	78,183	66,044

NA Not available.

Source: U.S. Bureau of the Census, *Construction Reports,* series C30.

No. 1222. Value of New Construction Put in Place in Current and Constant (1982) Dollars: 1980 to 1987

[In millions of dollars, except percent. Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For details on derivation of constant values and description of revised series, see source. For description of nature of revisions and deflators used, see *Construction Reports*, series C30-80S. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1-29 and N 66-69]

ITEM	CURRENT DOLLARS					CONSTANT (1982) DOLLARS				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Total	**251,719**	**328,641**	**355,735**	**386,093**	**398,850**	**280,741**	**308,765**	**324,611**	**345,332**	**348,995**
Average annual percent change [1]	-.3	6.9	8.2	8.5	3.3	-10.0	2.4	5.1	6.4	1.1
Private	**193,251**	**270,977**	**291,665**	**314,652**	**323,820**	**218,813**	**253,478**	**266,658**	**281,756**	**282,951**
Residential buildings [2]	100,381	153,849	158,474	187,148	194,772	112,972	144,393	145,804	168,573	171,310
New housing units	69,629	113,826	114,662	133,132	130,915	78,379	106,873	105,505	119,990	123,076
1 unit	52,921	85,605	86,123	102,154	114,463	59,537	80,362	79,237	92,026	100,668
2 or more units	16,708	28,221	28,539	31,038	25,452	18,842	26,510	26,268	27,964	22,408
Improvements	30,752	40,023	43,812	53,956	54,857	34,594	37,521	40,282	48,583	48,234
Nonresidential buildings [3]	55,431	81,147	95,317	91,171	91,994	63,833	74,767	85,497	79,823	78,183
Industrial	13,837	13,745	15,769	13,747	13,707	15,948	12,665	14,145	12,038	11,646
Office	13,318	25,940	31,580	28,591	26,430	15,323	23,898	28,331	25,037	22,468
Hotels, motels	2,930	6,751	7,301	7,451	7,380	3,373	6,226	6,550	6,522	6,276
Other commercial	16,627	22,167	28,048	28,170	29,015	19,153	20,409	25,153	24,660	24,652
Religious	1,637	2,132	2,409	2,702	2,753	1,884	1,965	2,159	2,365	2,340
Educational	1,243	1,660	1,896	2,343	3,438	1,428	1,530	1,700	2,050	2,922
Hospital, institutional	4,046	6,297	5,583	5,422	6,035	4,656	5,811	5,011	4,747	5,130
Miscellaneous	1,794	2,455	2,729	2,745	3,236	2,068	2,263	2,448	2,403	2,750
Farm nonresidential	5,274	3,161	2,197	2,072	1,863	6,087	2,915	1,973	1,814	1,584
Public utilities	30,915	30,915	32,952	31,987	32,580	34,668	29,545	30,884	29,490	29,522
Telephone, telegraph	6,733	7,174	7,484	8,445	8,530	7,604	6,818	7,025	7,731	7,613
Other public utilities	24,181	23,741	25,468	23,542	24,050	27,064	22,727	23,859	21,759	21,909
Railroads	2,319	3,513	4,046	2,891	2,587	2,350	3,431	3,706	2,613	2,333
Electric light, power [4]	16,048	15,654	15,968	15,392	15,815	18,321	14,848	14,943	14,245	14,442
Gas	5,006	4,303	5,182	4,973	5,279	5,505	4,185	4,950	4,634	4,799
Petroleum pipelines	809	271	272	286	369	888	263	260	266	335
All other private	1,250	1,905	2,726	2,275	2,611	1,273	1,858	2,500	2,056	2,353
Public	**58,468**	**57,664**	**64,070**	**71,441**	**75,030**	**61,928**	**55,287**	**57,953**	**63,576**	**66,044**
Buildings	18,517	17,883	20,114	23,456	25,158	21,259	16,513	18,076	20,564	21,431
Housing, redevelopment	1,648	1,636	1,511	1,456	1,519	1,854	1,537	1,392	1,313	1,337
Industrial	1,441	1,828	1,968	1,657	1,457	1,660	1,686	1,767	1,450	1,239
Educational	8,050	5,557	6,708	8,440	8,838	9,255	5,122	6,014	7,382	7,509
Hospital	1,785	2,039	2,017	1,998	2,209	2,053	1,881	1,810	1,750	1,877
Other	5,593	6,822	7,910	9,905	11,136	6,438	6,287	7,094	8,669	9,468
Highways and streets	17,225	18,771	21,540	22,682	22,757	15,792	18,353	18,803	19,596	19,812
Military facilities	1,880	2,839	3,235	3,867	4,324	1,924	2,696	2,872	3,363	3,718
Conservation, development	5,090	4,654	4,779	4,647	5,161	5,771	4,541	4,587	4,405	4,824
Sewer systems	7,171	6,241	7,196	8,105	8,835	8,129	6,086	6,902	7,681	8,258
Water supply facilities	3,266	2,621	2,664	3,370	3,602	3,652	2,550	2,551	3,166	3,318
Miscellaneous	5,318	4,654	4,541	5,313	5,194	5,400	4,548	4,162	4,801	4,683
Public ownership:										
State and local government	48,827	46,423	52,066	59,030	60,955	(NA)	(NA)	(NA)	(NA)	(NA)
Federal government	9,641	11,240	12,004	12,411	14,075	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Change from immediate prior year. For 1980, change from 1979. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Includes farm residential. [3] Excludes building by privately owned public utilities. [4] Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1223. Value of Privately Owned Nonresidential Building Projects, by Construction Status, 1975 to 1987, and by Type of Project, 1987

[In billions of dollars]

CONSTRUCTION STATUS	1975	1980	1981	1982	1983	1984	1985	1986	1987				
									Total	Industrial	Office building	Other commercial	Other [1]
Value of projects—													
Started	20.1	48.3	65.8	55.5	63.3	84.7	90.8	89.7	86.3	12.0	25.0	28.8	20.6
Completed	28.0	48.4	52.7	56.3	60.3	68.2	82.8	99.3	82.7	13.2	25.9	25.5	18.1

[1] Privately owned hotels and motels, religious, educational, hospital and institutional, and miscellaneous nonresidential building projects.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1224. Construction Contracts—Value of Construction and Floor Space of Buildings, by Class of Construction: 1976 to 1987

[Includes new structures and additions, and major alterations to existing structures which affect only valuation, since no addition floor area is created by "alteration." See also *Historical Statistics, Colonial Times to 1970*, series N 78–100]

YEAR	Total	Residential buildings	NONRESIDENTIAL BUILDINGS									Nonbuilding construction
			Total	Commercial [1]	Manufacturing	Educational [2]	Hospital	Public buildings	Religious	Social and recreational	Miscellaneous	
VALUE (bil. dol.)												
1976	110.1	44.2	30.0	10.2	4.5	4.9	4.5	2.1	.9	1.5	1.5	35.9
1977	139.7	62.0	35.3	13.6	5.4	5.2	4.5	2.3	1.0	1.8	1.5	42.6
1978	159.9	74.9	45.0	20.6	9.2	5.7	3.8	1.5	1.2	2.1	.9	39.9
1979	168.4	74.6	50.1	24.4	7.6	6.3	4.8	1.6	1.3	2.6	1.5	43.7
1980	148.4	63.7	52.5	24.8	8.4	6.8	5.3	1.6	1.2	2.7	1.7	32.2
1981	153.5	60.2	60.1	31.7	8.6	5.8	6.4	1.4	1.2	3.0	2.0	33.2
1982	156.2	59.2	59.5	28.2	9.5	6.1	7.8	1.9	1.2	2.8	2.0	37.4
1983	193.6	93.6	62.2	33.7	5.3	6.2	8.5	2.1	1.5	2.8	2.1	37.8
1984	211.5	101.4	74.4	42.1	7.3	7.7	7.2	2.7	1.7	3.3	2.4	35.8
1985	232.3	108.7	83.2	47.8	7.7	8.8	7.8	3.0	2.0	3.6	2.5	40.5
1986	248.6	122.9	83.8	45.8	7.3	10.5	7.9	3.2	2.1	4.2	2.8	42.0
1987	254.7	120.0	89.5	46.5	8.2	11.9	8.7	4.4	2.2	4.4	3.2	45.3
FLOOR SPACE (mil. sq. ft.)												
1976	2,819	1,867	953	440	152	116	71	42	31	45	54	(X)
1977	3,536	2,440	1,097	564	175	112	66	43	32	48	57	(X)
1978	4,101	2,815	1,286	758	219	104	53	22	35	53	42	(X)
1979	3,905	2,528	1,377	816	243	102	57	20	34	53	52	(X)
1980	3,092	1,892	1,201	688	216	95	54	18	28	50	52	(X)
1981	2,797	1,620	1,178	733	187	74	60	14	25	44	41	(X)
1982	2,442	1,497	946	571	119	74	70	19	25	38	30	(X)
1983	3,379	2,349	1,030	647	110	74	83	20	29	36	31	(X)
1984	3,635	2,396	1,238	808	147	90	70	23	29	37	34	(X)
1985	3,822	2,414	1,408	939	159	100	73	26	32	41	38	(X)
1986	3,928	2,578	1,349	869	147	116	73	30	32	43	38	(X)
1987	3,723	2,358	1,366	849	155	126	79	40	33	47	37	(X)

X Not applicable. [1] Includes nonindustrial warehouses. [2] Includes science.

Source: F. W. Dodge, National Information Services Division, McGraw-Hill Information Systems Company, New York, NY. Figure reported currently in *Dodge Construction Potentials*.

No. 1225. Construction Contracts—Value, by State: 1980 to 1987

[**In millions of dollars.** See headnote, table 1224. Represents value of construction in States in which work was actually done]

STATE	1980	1985	1986	1987			STATE	1980	1985	1986	1987		
				Total (incl. non-bldg.)	Residential	Nonresidential					Total (incl. non-bldg.)	Residential	Nonresidential
U.S.	**148,393**	**232,277**	**248,588**	**254,673**	**119,915**	**89,422**	MO	2,613	3,651	4,357	4,339	2,082	[illegible]
AL	1,918	2,866	2,985	3,154	1,358	1,030	MT	395	698	486	566	263	113
AK	706	1,500	1,178	749	115	272	NE	830	1,040	1,049	943	342	354
AZ	3,137	6,629	6,354	5,771	2,909	2,044	NV	1,167	1,629	2,153	1,967	1,086	612
AR	1,324	1,649	1,494	1,446	670	406	NH	477	1,355	1,622	1,716	993	385
CA	17,688	32,456	38,601	36,568	20,319	12,189	NJ	3,790	8,077	8,999	8,746	4,066	3,480
CO	2,791	4,667	3,812	3,183	1,517	989	NM	1,371	1,771	1,594	1,517	618	482
CT	1,440	3,385	4,138	4,236	2,132	1,536	NY	5,860	11,366	12,608	15,350	5,844	[illegible]
DE	305	715	991	722	360	205	NC	3,471	6,671	6,920	7,175	3,756	2,621
DC	510	985	1,083	876	235	544	ND	456	557	478	440	154	139
FL	12,847	17,820	17,954	19,073	11,174	5,443	OH	5,221	6,943	8,494	9,179	3,757	3,947
GA	3,939	7,566	9,020	8,690	4,707	2,851	OK	2,300	2,650	2,185	2,136	730	587
HI	1,216	873	1,157	1,189	593	417	OR	1,926	1,634	1,604	1,862	809	627
ID	635	758	680	637	255	203	PA	5,246	7,008	8,464	10,087	3,945	3,882
IL	5,313	7,513	9,156	10,188	4,442	3,510	RI	322	828	825	1,094	544	304
IN	2,775	4,045	4,777	5,070	2,293	2,097	SC	2,522	3,446	3,182	3,704	1,798	1,270
IA	1,540	1,532	1,317	1,479	445	501	SD	421	485	446	405	133	151
KS	1,687	2,227	2,337	2,264	1,024	789	TN	2,789	4,394	4,568	5,112	2,407	1,960
KY	2,185	2,843	3,240	3,227	1,354	1,225	TX	13,611	21,305	17,098	14,788	5,282	5,215
LA	3,270	3,869	3,157	3,154	1,049	1,017	UT	1,116	1,633	1,630	1,406	592	482
ME	538	785	1,088	937	546	244	VT	258	487	576	533	313	137
MD	3,062	5,703	6,267	7,262	3,583	2,417	VA	3,451	7,586	8,734	8,761	4,513	3,071
MA	2,712	5,806	6,498	7,516	3,959	2,561	WA	4,795	4,409	5,055	5,226	2,241	2,037
MI	4,174	5,827	6,995	8,547	3,398	3,727	WV	855	858	1,004	883	227	318
MN	2,746	4,285	4,888	5,000	2,554	1,498	WI	2,269	3,038	3,164	3,678	1,600	1,286
MS	1,561	1,543	1,523	1,634	604	647	WY	644	693	605	479	146	87

Source: F. W. Dodge, National Information Services Division, McGraw-Hill Information Systems Company, New York, NY. Figure reported currently in *Dodge Construction Potentials*.

No. 1226. Value of Private Construction Authorized by Building Permits: 1978 to 1987

[In billions of dollars. "16,000 and 17,000 places" series are based on U.S. total of approximately 16,000 and 17,000 places identified in 1978 and 1984 respectively, with local building permit systems]

TYPE OF CONSTRUCTION	16,000 PLACES							17,000 PLACES			
	1978	1979	1980	1981	1982	1983	1984	1984	1985	1986	1987
Total	**101.6**	**107.4**	**102.1**	**103.7**	**98.5**	**127.5**	**153.4**	**155.0**	**170.5**	**184.2**	**186.0**
Residential units	58.9	56.3	47.2	41.9	40.5	69.3	76.7	77.7	84.9	98.0	98.3
In structures with—											
1 unit	46.3	42.6	33.1	28.7	27.4	49.1	53.5	54.3	59.5	73.7	78.2
2-4 units	3.1	3.3	3.3	3.2	2.7	4.3	4.8	4.9	4.6	4.4	3.9
5 units or more	9.6	10.4	10.8	10.0	10.4	15.8	18.3	18.4	20.8	19.9	16.2
Nonhousekeeping residential buildings	1.3	1.6	1.6	2.0	2.6	3.1	3.7	3.7	3.9	4.0	3.5
Nonresidential buildings	32.2	38.3	34.8	39.3	34.8	37.0	46.7	47.2	52.7	50.6	50.0
Industrial buildings	7.8	9.3	8.0	7.9	6.1	5.8	9.1	9.2	9.5	9.7	7.7
Office buildings	6.8	9.1	9.9	14.8	12.9	12.6	15.9	16.1	18.1	14.5	13.6
Stores and other mercantile	7.6	9.0	6.7	6.2	5.5	7.4	9.8	9.9	12.0	12.1	13.5
Hospitals and other institutional	2.1	2.3	1.6	1.7	2.0	2.4	2.0	2.1	2.5	2.6	2.4
All other nonresidential	7.9	8.7	8.7	8.9	8.3	8.9	9.9	9.9	10.1	11.8	12.7
Additions and alterations	9.2	11.2	18.5	20.5	20.6	23.5	26.3	26.4	29.1	31.6	34.2

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review.*

No. 1227. New Privately Owned Housing Units Authorized, by State: 1986 and 1987

[Based on about 17,000 places in U.S. having building permit systems]

STATE	HOUSING UNITS (1,000)			VALUATION (mil. dol.)		
	1986	1987		1986	1987	
		Total	1 unit		Total	1 unit
U.S.	**1,769.4**	**1,534.8**	**1,024.4**	**98,005**	**98,346**	**78,198**
AL	19.2	14.5	10.6	686	648	559
AK	1.4	.7	.4	117	63	42
AZ	61.6	40.2	27.7	3,083	2,775	2,276
AR	8.7	6.5	5.0	376	320	287
CA	314.6	251.8	134.7	20,865	19,560	13,711
CO	31.0	18.0	12.9	1,627	1,235	1,052
CT	27.7	26.8	18.1	1,677	1,806	1,477
DE	5.5	7.1	5.0	235	319	254
DC	.6	1.2	.3	21	43	18
FL	195.5	178.8	113.1	8,742	9,210	6,951
GA	76.9	64.2	46.4	3,868	3,723	3,216
HI	7.2	6.9	5.3	465	470	404
ID	3.8	3.2	2.6	217	201	183
IL	51.9	50.4	33.0	3,391	3,607	3,091
IN	29.7	27.3	18.9	1,578	1,756	1,488
IA	5.5	5.8	3.8	268	314	261
KS	13.1	11.8	7.8	782	802	682
KY	13.5	13.2	9.0	642	740	638
LA	10.5	8.5	7.1	557	450	414
ME	9.6	9.8	7.2	505	584	486
MD	42.4	41.1	33.6	2,269	2,485	2,207
MA	45.2	40.4	25.3	3,087	3,084	2,288
MI	47.2	46.6	28.5	2,437	2,626	2,050
MN	33.2	33.4	21.3	2,142	2,422	1,843
MS	8.3	6.6	5.2	356	324	289
MO	33.2	29.1	18.0	1,586	1,643	1,286
MT	1.2	.8	.6	57	48	43
NE	6.2	4.9	3.3	252	242	209
NV	15.7	16.3	10.2	758	786	611
NH	18.0	14.6	10.9	1,113	1,017	864
NJ	57.4	51.5	36.5	3,550	3,575	2,828
NM	11.5	9.3	7.3	604	549	495
NY	60.2	62.2	41.7	3,730	4,417	3,182
NC	63.0	54.3	40.9	3,054	3,104	2,745
ND	1.7	2.0	.9	83	93	64
OH	44.5	45.2	28.8	2,537	2,999	2,448
OK	9.0	6.2	5.2	466	363	339
OR	10.7	12.2	7.9	628	753	626
PA	53.4	54.8	45.8	2,994	3,588	3,230
RI	7.3	7.2	4.8	350	396	326
SC	26.8	23.5	18.5	1,357	1,405	1,236
SD	2.0	1.9	1.2	81	85	67
TN	34.4	29.9	21.7	1,701	1,765	1,530
TX	96.7	50.5	43.9	5,180	3,570	3,416
UT	13.8	7.7	6.8	698	509	478
VT	4.5	4.6	3.7	267	299	267
VA	73.5	66.7	46.2	3,663	3,697	3,083
WA	36.4	38.3	20.0	2,043	2,224	1,507
WV	1.9	1.9	1.3	83	88	74
WI	21.8	24.1	14.8	1,130	1,330	1,039
WY	.9	.6	.5	48	37	35

Source: U.S. Bureau of the Census, *Construction Reports,* series C40, annual

No. 1228. New Housing Units Started: 1970 to 1988

[Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970,* series N 156–159]

YEAR	Total (1,000)	Percent change	PRIVATELY OWNED (1,000)		Publicly owned (1,000)
			Total	1-unit structures	
1970	1,469	[1] –2.1	1,434	813	35
1971	2,085	41.9	2,052	1,151	32
1972	2,379	14.1	2,357	1,309	22
1973	2,057	–13.5	2,045	1,132	12
1974	1,353	–34.2	1,338	888	15
1975	1,171	–13.4	1,160	892	11
1976	1,548	32.2	1,538	1,162	10
1977	2,002	29.3	1,987	1,451	15
1978	2,036	1.7	2,020	1,433	16
1979	1,760	–13.6	1,745	1,194	15
1980	1,313	–25.4	1,292	852	20
1981	1,100	–16.2	1,084	705	16
1982	1,072	–2.6	1,062	663	10
1983	1,712	59.7	1,703	1,068	9
1984	1,756	2.6	1,750	1,084	6
1985	1,745	–.6	1,742	1,072	3
1986	1,807	3.6	1,805	1,179	2
1987	1,623	–10.2	1,620	1,146	2
1987, Jan.–July [2]	(NA)	(NA)	1,678	1,184	(NA)
1988, Jan.–July [2] [3]	(NA)	(NA)	1,479	1,079	(NA)

NA Not available. [1] Change from 1969. [2] Average seasonally adjusted annual rate. [3] Preliminary.

Source: U.S. Bureau of the Census, *Construction Reports,* series C20.

No. 1229. New Privately-Owned Housing Units Started—Selected Characteristics: 1970 to 1987

[In thousands. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970,* series N 156–163 and 170]

YEAR	Total units[1]	STRUCTURES WITH—			REGION				CONDOMINIUM UNITS[2]			TYPE OF ASSISTANCE[3]
		One unit	2–4 units	5 or more units	Northeast	Midwest	South	West	Total	Single-family	Multi-family	FHA
1970	1,434	813	85	536	218	294	612	311	(NA)	(NA)	(NA)	421
1971	2,052	1,151	120	781	264	434	869	486	(NA)	(NA)	(NA)	528
1972	2,357	1,309	141	906	330	443	1,057	527	(NA)	(NA)	(NA)	371
1973	2,045	1,132	118	795	277	440	899	429	241	69	172	163
1974	1,338	888	68	382	183	317	553	285	175	46	130	95
1975	1,160	892	64	204	149	294	442	275	65	20	45	98
1976	1,538	1,162	86	289	169	400	569	400	95	30	64	144
1977	1,987	1,451	122	414	202	465	783	538	118	41	77	178
1978	2,020	1,433	125	462	200	451	824	545	156	42	114	178
1979	1,745	1,194	122	429	178	349	748	471	198	43	156	178
1980	1,292	852	110	331	125	218	643	306	186	35	150	177
1981	1,084	705	91	288	117	165	562	240	181	36	145	145
1982	1,062	663	80	320	117	149	591	205	170	40	130	152
1983	1,703	1,068	113	522	168	218	935	382	276	77	199	121
1984	1,750	1,084	121	544	204	243	866	436	291	96	194	63
1985	1,742	1,072	93	576	252	240	782	468	225	79	146	159
1986	1,805	1,179	84	542	294	296	733	483	214	80	134	266
1987	1,620	1,146	65	409	269	298	634	420	196	73	123	176

NA Not available. [1] For 1970–1976, characteristics such as type of structure, and region, include data for publicly owned units. [2] Type of ownership under which the owners of the individual housing units are also joint owners of the common areas of the building or community, includes a small number of cooperatively-owned units. [3] Source: U.S. Department of Housing and Urban Development, 1970–1979, *HUD Statistical Yearbook;* thereafter unpublished data.

Source: Except as noted, U.S. Bureau of the Census, *Construction Reports,* series C20.

No. 1230. New Privately-Owned Housing Units Started, by State: 1984 to 1987

[In thousands of units]

REGION, DIVISION, AND STATE	1984	1985	1986	1987
U.S.	**1,749.9**	**1,742.0**	**1,805.0**	**1,621.0**
Region:				
Northeast	203.7	252.0	293.0	269.0
Midwest	244.7	240.0	295.0	298.0
South	866.0	782.0	733.0	634.0
West	435.5	468.0	483.0	420.0
N.E	**76.4**	**91.0**	**112.0**	**106.0**
ME	6.8	7.7	10.5	9.6
NH	12.5	15.6	18.5	13.8
VT	7.4	3.7	4.7	4.7
MA	26.5	34.6	42.9	40.7
RI	4.4	5.0	7.3	7.5
CT	18.8	24.6	28.3	20.5
M.A	**127.3**	**161.0**	**181.0**	**164.0**
NY	43.4	60.7	64.6	52.1
NJ	43.7	56.2	59.8	58.4
PA	40.2	43.6	56.8	52.9
E.N.C	**141.4**	**149.0**	**198.0**	**201.0**
OH	33.5	31.5	43.8	47.2
IN	23.5	22.0	29.2	28.5
IL	35.0	38.5	52.6	57.8
MI	30.1	39.0	51.2	47.0
WI	19.3	17.7	21.1	20.1
W.N.C	**103.3**	**91.0**	**98.0**	**97.0**
MN	30.4	26.3	32.0	31.8
IA	7.7	4.9	5.6	5.8
MO	30.8	32.6	36.7	38.3
ND	3.9	2.1	1.8	1.8
SD	4.5	2.5	2.0	2.0
NE	7.1	5.2	6.1	5.1
KS	18.9	17.2	13.6	12.6

DIVISION AND STATE	1984	1985	1986	1987
S.A	**479.7**	**488.0**	**498.0**	**460.0**
DE	4.3	5.0	5.7	6.9
MD	36.9	38.8	42.0	41.7
DC	.4	.7	1.5	1.8
VA	62.8	65.2	73.3	59.5
WV	2.8	1.7	2.5	2.3
NC	62.7	80.1	74.7	63.5
SC	33.1	31.6	27.9	24.7
GA	80.0	68.8	79.1	70.4
FL	196.7	196.1	191.6	188.8
E.S.C	**92.1**	**87.0**	**89.0**	**81.0**
KY	15.7	14.7	15.8	16.9
TN	42.4	40.4	38.6	35.5
AL	20.1	21.4	24.2	20.1
MS	13.9	10.3	10.1	8.1
W.S.C	**294.1**	**206.0**	**144.0**	**96.0**
AR	12.7	12.8	12.0	10.4
LA	30.8	19.1	12.9	9.4
OK	28.5	13.9	11.3	8.0
TX	222.1	159.9	107.9	68.1
Mt	**172.0**	**157.0**	**134.0**	**103.0**
MT	3.4	4.1	2.4	4.0
ID	4.3	4.3	3.8	3.7
WY	2.0	2.2	1.4	1.8
CO	41.9	33.5	30.5	18.7
NM	16.2	9.6	8.5	7.0
AZ	73.1	72.6	58.2	40.6
UT	18.2	17.2	13.9	7.7
NV	12.9	13.7	15.1	19.1
Pac	**263.7**	**311.0**	**349.0**	**318.0**
WA	29.4	34.5	33.9	40.5
OR	8.6	11.5	11.1	12.8
CA	212.9	254.7	297.5	257.9
AK	7.5	4.6	1.6	1.1
HI	5.3	5.9	5.2	5.6

Source: National Association of Home Builders, Economics Division, Washington, DC. Data provided from the Econometric Forecasting Service.

No. 1231. Characteristics of New Privately Owned One-Family Houses Completed: 1970 to 1987

[**Percent distribution, except as indicated.** Data beginning 1980 show percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Data for 1970 cover contractor-built, owner-built, and houses for rent for year construction started and houses sold for year of sale. Percents exclude houses for which characteristics specified were not reported]

CHARACTERISTIC	1970	1980	1985	1986	1987
Total houses (1,000)	793	957	1,072	1,120	1,123
Financing	100	100	100	100	100
Mortgage	84	81	81	83	80
FHA-insured	30	16	15	20	15
VA-guaranteed	7	8	7	8	6
Conventional	47	55	57	54	59
Farmers Home Administration		3	3	2	2
Cash or equivalent	16	18	19	16	18
Floor area	100	100	100	100	100
Under 1,200 sq. ft	36	21	20	17	14
1,200–1,599 sq. ft.	28	29	30	30	27
1,600–1,999 sq. ft.	16	22	21	21	22
2,000–2,399 sq. ft.	21	13	12	14	16
2,400 sq. ft. and over		15	17	18	21
Average (sq. ft.)	1,500	1,740	1,785	1,825	1,905
Median (sq. ft.)	1,385	1,595	1,605	1,660	1,755
Number of stories	100	100	100	100	100
1	74	60	52	51	49
2 or more	17	31	42	44	46
Split level	10	8	6	5	5
Foundation	100	100	100	100	100
Full or partial basement	37	36	35	37	39
Slab	36	45	48	45	43
Crawl space	27	19	18	18	18
Bedrooms	100	100	100	100	100
2 or less	13	17	25	21	19
3	63	63	57	59	58
4 or more	24	20	18	20	23
Bathrooms	100	100	100	100	100
1 or less	32	18	13	10	10
1½	20	10	11	9	7
2	32	48	48	47	45
2½ or more	16	25	29	33	38
Heating fuel	100	100	100	100	100
Electricity	28	50	44	44	40
Gas	62	41	49	47	52
Oil	8	3	3	5	5
Other	1	5	4	4	3
Heating system	100	100	100	100	100
Warm air furnace	71	57	54	54	57
Electric heat pump	(NA)	24	30	29	27
Other	29	19	15	17	16
Central air-conditioning	100	100	100	100	100
With	34	63	70	69	71
Without	66	37	30	31	29
Fireplaces	100	100	100	100	100
No fireplace	65	43	41	38	38
1 or more	35	58	59	62	62
Parking facilities	100	100	100	100	100
Garage	58	69	70	74	79
Carport	17	7	5	4	3
No garage or carport	25	24	25	21	18

NA Not available.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing* (a joint publication).

No. 1232. New Privately Owned One-Family Houses Sold, by Region and Type of Financing, 1970 to 1987, and by Sales-Price Group, 1987

[**In thousands.** Based on a national probability sample of monthly interviews with builders or owners of 1-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source. For composition of regions, see fig. I, inside front cover]

YEAR AND SALES-PRICE GROUP	Total sales	REGION				FINANCING TYPE			
		North-east	Mid-west	South	West	Conven-tional	FHA and VA	Farm-ers Home Admin.	Cash
1970	485	61	100	203	121	[1] 213	244	([1])	27
1971	656	82	127	270	176	[1] 314	314	([1])	28
1972	718	96	130	305	187	[1] 447	242	([1])	30
1973	634	95	120	257	161	[1] 465	134	([1])	34
1974	519	69	103	207	139	[1] 378	112	([1])	28
1975	549	71	106	222	150	363	122	43	22
1976	646	72	128	247	199	458	134	23	31
1977	819	86	162	317	255	592	166	24	38
1978	817	78	145	331	262	575	174	26	43
1979	709	67	112	304	225	469	186	18	36
1980	545	50	81	267	145	302	196	14	32
1981	436	46	60	219	112	244	142	14	36
1982	412	47	48	219	99	193	173	11	34
1983	623	76	71	323	152	350	217	8	49
1984	639	94	76	309	160	423	149	9	58
1985	688	112	82	323	170	403	208	11	64
1986	750	136	96	322	196	411	268	12	59
1987, total	**671**	**117**	**97**	**271**	**186**	**408**	**190**	**8**	**64**
Under $60,000	61	3	12	36	11	18	30	8	6
$60,000 to $69,999	53	(B)	8	32	11	18	32	(B)	3
$70,000 to $79,999	67	3	12	37	15	24	37	(B)	6
$80,000 to $99,999	140	15	21	61	42	64	62	(B)	11
$100,000 to $119,999	84	16	10	32	25	55	18	(B)	10
$120,000 to $149,999	99	28	13	31	28	78	8	(B)	12
$150,000 to $199,999	84	21	11	25	27	74	(B)	(B)	8
$200,000 and over	84	30	10	17	27	76	(B)	(B)	8

B Base figure too small to meet statistical standards for reliability. [1] Houses financed by Farmers Home Administration included under conventional financing.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

NO. 1233. MEDIAN SALES PRICE OF NEW PRIVATELY OWNED ONE-FAMILY HOUSES SOLD, BY REGION: 1970 TO 1987

[In dollars. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

YEAR	U.S.	Northeast	MidWest	South	West
1970	23,400	30,300	24,400	20,300	24,000
1971	25,200	30,600	27,200	22,500	25,500
1972	27,600	31,400	29,300	25,800	27,500
1973	32,500	37,100	32,900	30,900	32,400
1974	35,900	40,100	36,100	34,500	35,800
1975	39,300	44,000	39,600	37,300	40,600
1976	44,200	47,300	44,800	40,500	47,200
1977	48,800	51,600	51,500	44,100	53,500
1978	55,700	58,100	59,200	50,300	61,300
1979	62,900	65,500	63,900	57,300	69,600

YEAR	U.S.	Northeast	MidWest	South	Wes
1980	64,600	69,500	63,400	59,600	72,30
1981	68,900	76,000	65,900	64,400	77,80
1982	69,300	78,200	68,900	66,100	75,00
1983	75,300	82,200	79,500	70,900	80,10
1984	79,900	88,600	85,400	72,000	87,30
1985	84,300	103,300	80,300	75,000	92,80
1986	92,000	125,000	88,300	80,200	95,70
1987 [1]	104,500	140,000	95,000	88,000	111,00

[1] 1988, U.S. total: 1st qtr., $112,900, 2d qtr., $110,800, 3d qtr., $115,000.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

NO. 1234. NEW MOBILE HOMES PLACED FOR RESIDENTIAL USE AND AVERAGE SALES PRICE, BY REGION: 1974 TO 1987

[A mobile home is a moveable dwelling, 10 feet or more wide and 35 feet or more long, designed to be towed on its own chassis and without need of a permanent foundation. Excluded are travel trailers, motor homes, and modular housing. Data are based on a probability sample and subject to sampling variability; see source. For composition of regions, see fig. I, inside front cover]

YEAR	UNITS PLACED (1,000)					AVERAGE SALES PRICE ($1,000)				
	Total	Northeast	Midwest	South	West	Total	Northeast	Midwest	South	West
1974	332.0	23.3	67.5	170.8	70.4	9.3	9.4	9.3	8.3	11.6
1975	229.3	14.7	48.5	110.8	55.2	10.6	10.5	10.7	9.0	13.6
1976	249.6	16.8	51.5	114.8	66.5	12.3	11.6	11.6	10.6	16.0
1977	257.5	16.7	50.7	112.5	77.7	14.2	12.9	13.5	12.1	18.1
1978	279.9	17.4	49.5	135.3	77.7	15.9	14.3	15.1	13.7	20.6
1979	279.9	16.9	47.3	145.2	70.5	17.6	15.8	16.1	15.6	23.1
1980	233.7	12.3	32.3	140.3	48.7	19.8	18.5	18.6	18.2	25.4
1981	229.2	12.0	30.1	143.5	43.6	19.9	19.0	18.9	18.4	25.6
1982	234.1	12.4	25.6	161.1	35.0	19.7	19.8	20.0	18.5	24.7
1983	278.1	16.3	34.3	186.0	41.4	21.0	21.4	20.4	19.7	27.0
1984	287.9	19.8	35.2	193.4	39.4	21.5	22.2	21.1	20.2	27.4
1985	283.4	20.2	38.6	187.6	36.9	21.8	22.7	21.5	20.4	28.7
1986	256.1	21.2	37.2	162.3	35.4	22.4	24.4	21.8	20.7	28.9
1987	239.2	23.6	40.0	145.5	30.1	23.7	25.6	23.7	21.9	31.0

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

NO. 1235. EXISTING ONE-FAMILY HOUSES SOLD AND PRICE, BY REGION: 1970 TO 1987

[Based on data (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing services. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

YEAR	HOUSES SOLD (1,000)					MEDIAN SALES PRICE ($1,000)				
	Total	Northeast	Midwest	South	West	Total	Northeast	Midwest	South	West
1970	1,612	251	501	568	292	23.0	25.2	20.1	22.2	24.3
1971	2,018	311	583	735	389	24.8	27.1	22.1	24.3	26.5
1972	2,252	361	630	788	473	26.7	29.8	23.9	26.4	28.4
1973	2,334	367	674	847	446	28.9	32.8	25.3	29.0	31.0
1974	2,272	354	645	839	434	32.0	35.8	27.7	32.3	34.8
1975	2,476	370	701	862	543	35.3	39.3	30.1	34.8	38.6
1976	3,064	439	881	1,033	712	38.1	41.8	32.9	36.5	46.1
1977	3,650	515	1,101	1,231	803	42.9	44.4	36.7	39.8	57.3
1978	3,986	516	1,144	1,416	911	48.7	47.9	42.2	45.1	66.7
1979	3,827	526	1,061	1,353	887	55.7	53.6	47.8	51.3	77.4
1980	2,973	403	806	1,092	672	62.2	60.8	51.9	58.3	89.3
1981	2,419	353	632	917	516	66.4	63.7	54.3	64.4	96.2
1982	1,990	354	490	780	366	67.8	63.5	55.1	67.1	98.9
1983	2,719	493	709	1,035	481	70.3	72.2	56.6	69.2	94.9
1984	2,868	511	755	1,073	529	72.4	78.7	57.1	71.3	95.8
1985	3,214	622	866	1,172	554	75.5	88.9	58.9	75.2	95.4
1986	3,565	703	991	1,261	610	80.3	104.8	63.5	78.2	100.9
1987	3,526	685	959	1,282	600	85.6	133.3	66.0	80.4	113.2

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

No. 1236. Median Sales Price of Existing One-Family Homes, by Selected Metropolitan Area: 1985 to 1988

[In thousands of dollars. Areas are metropolitan statistical areas (MSA's) except as indicated; for definitions and components, see Appendix II]

METROPOLITAN AREA	1985	1986	1987	1988, 2nd qtr.
U.S., all areas	**75.5**	**80.3**	**85.6**	**88.9**
Akron, OH PMSA	52.7	56.2	57.1	60.1
Albany-Schenectady-Troy, NY	60.3	72.7	86.4	91.1
Albuquerque, NM	76.8	81.6	82.6	81.6
Anaheim-Santa Ana, CA PMSA	135.8	147.7	167.3	204.0
Baltimore, MD	72.6	74.0	81.1	87.3
Baton Rouge, LA	74.6	70.9	67.8	64.5
Birmingham, AL	64.5	68.3	71.6	76.5
Boston, MA PMSA	134.2	159.2	177.2	182.9
Buffalo-Niagara Falls, NY CMSA	46.7	52.4	56.7	64.8
Chicago, IL PMSA	81.1	86.1	90.8	99.3
Cincinnati, OH-KY-IN PMSA	60.2	(NA)	66.1	69.6
Cleveland, OH PMSA	64.4	66.9	68.1	69.9
Columbus, OH	62.2	65.5	68.7	73.4
Dallas-Ft. Worth, TX CMSA	87.7	92.8	89.2	85.5
Denver, CO PMSA	84.3	86.4	88.9	83.4
Des Moines, IA	52.5	55.9	55.6	58.2
Detroit, MI PMSA	51.7	58.1	65.6	72.3
Ft. Lauderdale-Hollywood-Pompano Beach, FL PMSA	74.6	77.7	79.6	79.2
Hartford, CT PMSA	99.6	129.0	157.4	169.0
Honolulu, HI	162.1	172.0	186.0	198.7
Houston, TX PMSA	78.6	69.9	65.9	63.5
Indianapolis, IN	55.0	59.0	62.5	66.7
Jacksonville, FL	56.4	62.8	65.1	67.4
Kansas City, MO-KS	61.4	65.4	69.8	71.9
Las Vegas, NV	75.1	77.5	77.0	77.9
Los Angeles-Long Beach, CA PMSA	118.7	128.8	147.7	175.9
Louisville, KY-IN	50.6	51.7	51.7	54.1
Memphis, TN-AR-MS	64.6	70.6	75.0	76.8
Miami-Hialeah, FL PMSA	80.5	81.1	81.1	83.5
Milwaukee, WI PMSA	67.5	69.9	70.5	75.3
Minneapolis-St. Paul, MN-WI	75.2	77.9	80.5	84.3
Nashville, TN	66.1	70.8	75.5	78.3
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	134.0	160.6	183.5	194.0
Oklahoma City, OK	64.7	63.0	62.3	56.9
Omaha NE-IA	58.3	58.8	59.0	58.7
Orlando, FL	70.3	72.5	76.2	77.7
Philadelphia, PA-NJ PMSA	74.0	82.4	97.0	101.9
Phoenix, AZ	74.7	78.4	80.9	79.1
Portland, OR PMSA	61.5	62.6	64.2	64.9
Providence, RI PMSA	67.5	87.6	121.4	130.4
Riverside/San Bernardino PMSA	87.3	94.5	98.7	104.9
Rochester, NY	64.2	68.3	72.5	73.7
St. Louis, MO-IL	65.7	70.9	74.3	79.5
Salt Lake City-Ogden, UT	66.7	68.5	69.4	66.9
San Antonio, TX	67.7	69.2	70.2	65.2
San Diego, CA	107.1	118.2	129.2	142.6
San Francisco-Oakland-San Jose, CA CMSA	140.6	161.2	171.3	196.3
Seattle/Tacoma CMSA	(NA)	(NA)	82.6	93.6
Syracuse, NY	58.8	64.3	68.9	74.9
Tampa-St. Petersburg-Clearwater, FL	58.4	61.1	63.8	65.5
Tulsa, OK	66.7	65.5	65.7	65.0
Washington, DC-MD-VA	97.1	101.6	114.2	131.2
West Palm Beach-Boca Raton-Delray Beach, FL	88.3	92.6	102.6	94.8

NA Not available.

Source: National Association of Realtors®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

No. 1237. Existing Home Sales, by State: 1983 to 1987

[In thousands. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	1983	1984	1985	1986	1987
U.S.[1]	**2,924.0**	**3,098.0**	**3,493.0**	**3,897.0**	**3,887.0**
Region:[1]					
Northeast	573.5	609.4	756.3	845.4	875.1
Midwest	756.9	805.6	917.1	1,042.6	1,016.9
South	1,088.1	1,127.8	1,236.9	1,323.9	1,353.9
West	611.6	660.2	703.6	792.0	807.6
N.E	**155.2**	**170.4**	**206.0**	**210.7**	**234.4**
ME	21.0	23.3	27.1	30.8	35.2
NH	15.2	16.9	19.3	17.4	19.2
VT	7.4	8.2	9.9	12.4	12.9
MA	65.0	66.5	80.5	84.6	100.5
RI	8.8	11.0	13.2	13.5	13.4
CT	37.8	44.5	56.0	52.0	52.5
M.A	**418.3**	**439.0**	**550.3**	**634.7**	**640.7**
NY	148.5	148.9	190.7	216.8	223.9
NJ	112.9	119.7	148.8	159.6	157.3
PA	156.9	170.4	210.8	258.3	259.5
E.N.C	**480.5**	**520.7**	**625.8**	**708.7**	**688.9**
OH	129.1	138.3	162.5	179.9	180.9
IN	57.2	64.5	90.1	86.1	89.8
IL	115.3	122.5	140.5	179.2	175.3
MI	135.1	139.4	167.2	186.6	169.6
WI	53.8	56.0	65.5	76.9	73.3
W.N.C	**266.4**	**284.9**	**291.3**	**333.9**	**328.0**
MN	58.6	65.5	73.9	96.8	89.4
IA	39.1	41.9	39.5	46.1	48.3
MO	72.1	81.0	85.8	88.4	88.4
ND	9.4	10.0	8.9	9.5	11.2
SD	13.3	11.8	11.3	13.2	13.0
NE	24.6	24.5	24.5	25.5	23.3
KS	49.3	49.8	47.4	54.4	54.4
S.A	**524.3**	**564.2**	**640.3**	**723.2**	**727.2**
DE	9.3	10.0	12.3	12.9	14.0
MD	60.8	66.8	80.9	86.9	78.5
DC	7.5	7.8	9.9	11.6	10.5
VA	103.1	98.1	107.2	130.4	113.0
WV	32.2	34.6	37.7	39.7	36.6
NC	93.0	103.2	123.3	139.2	140.6
SC	39.7	46.0	52.6	58.0	60.9
GA	51.0	60.1	65.1	75.1	89.0
FL	127.7	137.6	151.3	169.4	184.2
E.S.C	**202.0**	**221.3**	**252.1**	**265.6**	**269.2**
KY	56.5	57.3	57.7	58.6	64.1
TN	71.1	78.7	99.2	112.0	111.2
AL	41.8	53.3	59.7	60.8	59.7
MS	32.6	32.0	35.5	34.2	34.2
W.S.C	**361.8**	**342.3**	**344.5**	**335.1**	**357.5**
AR	43.0	43.4	49.8	52.8	48.2
LA	63.0	50.3	44.1	34.0	40.4
OK	64.7	51.9	46.8	49.4	44.6
TX	191.1	196.7	203.8	198.9	224.3
Mt	**169.2**	**181.3**	**195.4**	**195.7**	**189.3**
MT	12.4	12.4	11.1	11.9	11.6
ID	11.3	12.3	11.5	11.3	10.9
WY	5.5	6.2	6.5	6.1	6.0
CO	46.1	47.1	49.3	47.5	46.7
NM	18.3	19.1	19.8	19.5	20.0
AZ	50.7	59.8	71.7	73.8	67.3
UT	14.7	15.0	15.5	14.6	14.6
NV	10.2	9.4	10.0	11.0	12.2
Pac	**442.4**	**478.9**	**508.2**	**596.3**	**618.3**
WA	44.9	44.9	43.8	50.6	43.6
OR	34.4	35.7	39.3	45.0	48.5
CA[2]	343.2	382.1	407.2	484.6	507.0
AK	12.1	9.2	10.0	6.1	7.7
HI	7.8	7.0	7.9	10.0	11.5

[1] U.S. and region totals are derived independently and therefore are not equal to the sum of the States. [2] Provided by the California Association of Realtors®.

Source: National Association of Realtors®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

NO. 1238. NEW APARTMENTS COMPLETED AND RENTED IN 3 MONTHS, BY REGION: 1980 TO 1987

[Structures with 5 or more units, privately financed, nonsubsidized, unfurnished apartments. Based on sample and subject to sampling variability. For composition of regions, see fig. I, inside front cover]

YEAR AND RENT	NUMBER (1,000)					PERCENT RENTED IN 3 MONTHS			
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South
1980	196.1	14.2	43.8	91.5	46.6	75	77	77	74
1981	135.3	4.9	36.9	68.4	25.1	80	85	86	78
1982	117.0	4.6	21.9	66.8	23.7	72	74	79	70
1983	191.5	3.5	41.1	115.1	31.8	69	73	86	63
1984	313.2	3.8	41.2	194.4	73.9	67	64	79	63
1985	365.2	8.1	54.0	166.1	137.0	65	69	72	59
1986	407.6	16.9	64.5	171.7	154.5	66	70	70	62
1987	**346.5**	**14.7**	**63.1**	**124.6**	**144.2**	**63**	**65**	**67**	**59**
Less than $350	23.9	2.4	4.6	12.4	4.5	74	71	73	76
$350-$399	42.3	.7	9.4	20.3	11.9	62	39	64	58
$400-$449	42.4	.1	6.9	17.1	18.2	59	100	72	56
$450-$499	52.4	.9	10.2	21.9	19.2	63	88	66	59
$500-$549	38.1	.4	6.9	15.9	14.9	64	81	73	57
$550 or more	147.5	10.1	25.1	36.9	75.4	62	62	63	57

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-131, and unpublished data.

NO. 1239. GROSS HOUSING PRODUCT—SUMMARY: 1970 TO 1987

[**In billions of dollars.** For definition of current and constant dollars, see Guide to Tabular Presentation]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	1970	1980	1984	1985	1986	1987	1970	1980	1984	1985	1986	1987
Total value of housing output [1]	90.5	251.2	356.7	387.4	417.9	449.8	207.4	299.9	320.0	328.8	335.2	344.9
Nonfarm housing	87.3	240.1	344.5	376.4	408.0	440.6	189.1	285.6	307.9	317.0	323.8	333.8
Owner-occupied	61.3	178.3	252.3	272.7	293.7	317.1	132.8	212.0	226.1	230.8	234.5	241.4
Tenant-occupied	26.0	61.9	92.2	103.8	114.3	123.5	56.2	73.6	81.8	86.3	89.4	92.4
Farm housing	3.3	11.0	12.2	10.9	9.8	9.2	18.3	14.3	12.1	11.7	11.4	11.1
Less: Intermediate goods and services consumed	*12.7*	*47.2*	*61.1*	*63.4*	*66.7*	*70.9*	*29.9*	*56.4*	*54.9*	*53.9*	*53.5*	*54.4*
Equals: Gross housing product	77.8	204.0	295.6	323.9	351.1	378.8	177.5	243.5	265.2	274.9	281.6	290.4

[1] Equals personal consumption expenditures (see text, section 14) for housing, less expenditures for transient hotels, motels, clubs, schools, and other group housing.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 1240. RESIDENTIAL CAPITAL—STOCKS AND AVERAGE AGE: 1970 TO 1987

[As of **Dec. 31.** Data based on fixed residential capital formation components of the gross national product. For definition of current and constant dollars, see Guide to Tabular Presentation]

ITEM	CURRENT DOLLARS (bil. dol.)					CONSTANT (1982) DOLLARS (bil. dol.)					AVERAGE AGE [1] (years)				
	1970	1980	1985	1986	1987	1970	1980	1985	1986	1987	1970	1980	1985	1986	1987
Gross stocks [2]	1,220	4,184	5,510	5,817	6,283	3,319	4,484	5,008	5,161	5,313	25.1	23.7	24.0	23.8	23.7
Private nonfarm:															
1-4 units	983	3,331	4,395	4,643	5,027	2,689	3,572	3,985	4,108	4,237	25.7	24.5	24.8	24.7	24.5
5 or more units	125	508	695	743	805	343	543	631	658	678	18.1	17.6	18.5	18.4	18.6
Farm (1-4 units)	55	134	152	153	158	150	145	137	135	133	43.9	42.8	42.9	43.1	43.2
Private nonhousekeeping	10	24	27	28	29	27	25	25	25	25	14.6	19.3	21.8	22.3	22.7
Mobile homes	14	73	90	93	94	29	77	89	90	90	4.7	7.1	8.2	8.3	8.4
Public: Federal, State and local	25	85	112	117	126	68	91	101	104	106	14.9	19.6	21.7	22.0	22.4
Net stocks [2] [3]	791	2,734	3,555	3,761	4,070	2,151	2,929	3,230	3,336	3,439	16.5	16.2	16.8	16.7	16.7
Private nonfarm:															
1-4 units	639	2,187	2,853	3,021	3,279	1,748	2,345	2,587	2,673	2,764	17.2	16.8	17.4	17.3	17.2
5 or more units	88	363	486	520	561	243	387	441	460	472	11.1	12.5	13.6	13.6	13.8
Farm (1-4 units)	24	57	64	64	65	64	62	58	56	55	26.8	26.4	26.4	26.8	26.0
Private nonhousekeeping	6	12	13	13	13	18	13	11	11	11	9.0	16.0	18.3	18.6	18.7
Mobile homes	10	41	46	47	47	21	43	46	45	45	3.3	5.3	5.6	5.6	5.7
Public: Federal, State and local	18	57	72	75	80	51	61	65	67	67	12.7	16.2	17.6	17.7	17.9

[1] Constant-dollar stocks. [2] Includes equipment, not shown separately. [3] Based on straight-line depreciation.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1988, and *Fixed Reproducible Tangible Wealth in the United States, 1925-85*.

No. 1241. Housing Units—Summary of Characteristics and Equipment, by Tenure and Region: 1985

[In thousands of units, except as indicated. Based on the American Housing Survey; see Appendix III. For composition of regions, see fig. I, inside front cover]

ITEM	Total housing units	Seasonal	YEAR-ROUND UNITS							
			Occupied							Vacant
			Total	Owner	Renter	Northeast	Midwest	South	West	
Total units	**99,931**	**3,182**	**88,425**	**56,145**	**32,280**	**18,729**	**22,142**	**30,064**	**17,490**	**8,324**
Percent distribution	100.0	3.2	88.5	56.2	32.3	21.2	25.0	34.0	19.8	8.3
Units in structure:										
Single family detached	60,607	1,834	55,076	46,703	8,373	9,368	14,958	19,984	10,766	3,697
Single family attached	4,514	64	4,102	2,211	1,890	1,431	814	1,212	645	349
2-4 units	11,655	134	10,217	1,996	8,221	3,324	2,515	2,426	1,952	1,304
5-9 units	5,134	73	4,372	344	4,029	903	967	1,408	1,094	689
10-19 units	4,558	99	3,760	261	3,500	818	766	1,360	817	699
20-49 units	3,530	148	2,913	287	2,627	904	603	651	756	470
50 or more units	3,839	135	3,230	438	2,792	1,540	661	583	446	474
Mobile home or trailer	6,094	698	4,754	3,906	848	440	860	2,440	1,014	642
Stories in structure:										
One story	40,884	2,083	35,443	26,188	9,255	1,502	4,810	19,306	9,826	3,358
2 stories	29,771	619	26,673	16,561	10,112	4,974	8,224	7,564	5,911	2,479
3 stories	21,117	274	19,207	11,741	7,466	7,854	7,752	2,350	1,250	1,636
4-6 stories	5,545	106	4,825	1,295	3,530	3,010	998	485	331	613
7 or more stories	2,613	100	2,277	360	1,917	1,389	358	359	171	237
Foundation:										
Full or partial basement	29,985	326	28,270	24,759	3,511	9,317	11,991	4,341	2,623	1,389
Crawl space	18,168	743	16,009	12,514	3,495	591	2,250	8,681	4,487	1,417
Concrete slab	14,899	468	13,382	10,620	2,763	748	1,309	7,284	4,041	1,049
Other	2,070	361	1,517	1,022	495	143	222	891	261	192
Year structure built:										
1939 and earlier	24,034	555	21,051	12,029	9,022	7,725	6,756	4,175	2,395	2,430
1940 to 1949	8,869	345	7,920	5,001	2,919	1,761	1,808	2,699	1,652	604
1950 to 1959	13,974	416	12,794	9,419	3,376	2,694	3,280	4,052	2,768	764
1960 to 1969	16,578	553	14,950	10,035	4,915	2,568	3,483	5,537	3,362	1,075
1970 to 1979	26,477	976	23,381	14,128	9,254	3,167	5,433	9,351	5,432	2,120
1980 or later	9,999	337	8,329	5,534	2,796	815	1,382	4,250	1,883	1,331
Median year	1962	1965	1962	1962	1962	1949	1958	1967	1966	1963
Main heating equipment:										
Warm-air furnace	52,329	1,056	47,256	33,251	14,004	6,350	15,631	16,029	9,245	4,018
Electric heat pump	3,618	163	3,031	2,272	758	207	298	2,203	322	424
Steam or hot water system	15,083	117	13,929	7,037	6,892	9,464	2,928	903	634	1,037
Floor, wall, or pipeless furnace	6,170	166	5,496	2,710	2,786	179	459	1,870	2,988	508
Built-in electric units	6,821	342	5,733	2,643	3,090	1,229	1,149	1,747	1,608	746
Room heaters with flue	3,595	284	2,938	1,405	1,533	369	537	1,472	560	373
Room heaters without flue	3,056	52	2,639	1,461	1,178	53	37	2,486	64	365
Stoves	5,042	353	4,285	3,312	973	722	821	1,768	973	405
Fireplaces	1,499	171	1,257	1,066	191	62	120	588	489	71
None	1,101	349	529	198	331	16	20	142	351	223
Portable elec. heaters	695	44	598	274	324	18	24	408	148	53
Other	921	84	736	517	219	61	118	448	110	101
Air conditioning:										
Central	32,864	745	29,447	20,755	8,692	2,202	7,171	15,705	4,370	2,672
Percent of total units	32.9	23.4	33.3	37.0	26.9	11.8	32.4	52.2	25.0	32.1
One or more room units	27,674	408	26,010	16,649	9,363	7,123	6,692	9,043	3,155	1,254
Plumbing:										
Units with all plumbing facilities	98,447	2,730	87,765	55,918	31,847	18,582	22,030	29,740	17,413	7,952
Units lacking some or all plumbing facilities	1,484	452	660	227	433	146	112	324	78	372
Percent of total units	1.5	14.2	.7	.4	1.3	.8	.5	1.1	.4	4.5
Source of water:										
Public system or private company	84,343	1,833	75,591	45,558	30,033	15,928	18,216	25,172	16,275	6,919
Percent of total units	84.4	57.6	85.5	81.1	93.0	85.0	82.3	83.7	93.1	83.1
Well serving 1 to 5 units	14,126	897	12,041	9,984	2,057	2,626	3,783	4,480	1,151	1,187
Other	1,462	452	793	603	190	175	143	412	64	217
Means of sewage disposal:										
Public sewer	74,542	1,313	67,168	38,546	28,622	14,413	17,287	20,722	14,746	6,062
Percent of total units	74.6	41.3	76.0	68.7	88.7	77.0	78.1	68.9	84.3	72.8
Septic tank, cesspool, chemical toilet	24,578	1,593	20,922	17,443	3,479	4,282	4,828	9,090	2,722	2,064
Other	810	276	335	158	179	35	28	251	22	198

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Housing Survey.

NO. 1242. HOUSING UNITS—SIZE OF UNITS AND LOT: 1985

[In thousands, except as indicated. Based on the American Housing Survey: see Appendix III]

ITEM	Total housing units	Seasonal	YEAR-ROUND UNITS						
			Occupied						
			Total	Owner	Renter	Northeast	Midwest	South	West
Total units	**99,931**	**3,182**	**88,425**	**56,145**	**32,280**	**18,729**	**22,142**	**30,064**	**17,490**
Rooms:									
1 room	1,072	119	742	29	713	276	154	116	198
2 rooms	1,681	150	1,195	110	1,085	311	255	316	313
3 rooms	10,760	601	8,711	997	7,714	2,363	1,899	2,439	2,010
4 rooms	20,592	1,177	16,844	6,526	10,318	3,191	3,802	6,338	3,514
5 rooms	22,205	624	19,805	13,222	6,583	3,645	5,162	7,331	3,667
6 rooms	18,838	290	17,559	14,118	3,441	3,694	4,440	6,193	3,232
7 rooms	12,360	128	11,706	10,260	1,445	2,529	3,158	3,869	2,151
8 rooms or more	12,422	95	11,862	10,883	979	2,721	3,273	3,461	2,407
Median number of rooms	5.2	4.1	5.3	6.0	4.1	5.4	5.5	5.3	5.2
Complete bathrooms:									
No bathrooms	1,780	482	903	304	600	260	166	368	109
1 bathroom	54,577	1,814	47,572	22,996	24,577	11,590	12,905	14,880	8,197
1 and one-half bathrooms	16,125	280	15,019	11,708	3,311	3,565	4,730	4,223	2,501
2 or more bathrooms	27,448	606	24,930	21,138	3,792	3,314	4,340	10,593	6,683
Square footage of unit:									
Single detached and attached units and mobile homes [1]	66,683	2,532	59,816	50,600	9,216	9,804	15,815	22,419	11,778
Less than 500	1,610	453	908	497	411	75	137	455	241
500 to 749	4,060	496	3,086	1,959	1,127	301	680	1,595	510
750 to 999	7,290	431	6,249	4,654	1,595	604	1,434	3,005	1,206
1,000 to 1,499	16,485	328	15,230	12,689	2,541	1,510	3,285	6,956	3,479
1,500 to 1,999	13,247	166	12,509	11,094	1,415	1,868	3,116	4,590	2,935
2,000 to 2,499	9,204	42	8,873	8,045	827	1,867	2,932	2,474	1,599
2,500 to 2,999	4,862	39	4,668	4,321	347	1,238	1,548	1,181	701
3,000 to 3,999	4,222	35	4,047	3,749	298	1,075	1,394	1,041	536
4,000 or more	2,288	23	2,205	2,013	192	633	670	632	270
Other [2]	3,414	520	2,042	1,579	463	632	619	491	300
Median square footage	1,583	783	1,636	1,712	1,245	2,061	1,831	1,425	1,551
Lot size:									
Single detached and attached units and mobile homes [1] [3]	66,653	290	63,918	52,812	11,106	11,234	16,629	23,632	12,423
Less than one-eighth acre	7,394	69	7,017	5,816	1,201	1,575	1,691	1,969	1,782
One-eighth to one-quarter acre	14,124	55	13,536	12,106	1,430	2,117	3,686	4,199	3,534
One-quarter to one-half acre	9,371	39	8,982	8,234	748	1,597	2,246	3,523	1,615
One-half up to one acre	6,053	17	5,882	5,349	534	1,402	1,301	2,492	687
1 to 4 acres	8,931	23	8,676	7,692	984	1,888	1,786	3,942	1,060
5 to 9 acres	1,454	–	1,425	1,285	139	181	386	665	193
10 acres or more	3,949	29	3,829	3,306	523	515	1,374	1,569	372
Median acreage	.36	.23	.36	.37	.30	.40	.35	.46	.23

– Represents zero. [1] Does not include selected vacant units. [2] Represents units not reported or size unknown. [3] Includes units not reported or for which data are not known, not shown separately.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Housing Survey.

NO. 1243. OCCUPIED HOUSING UNITS—TENURE, BY RACE OF HOUSEHOLDER: 1920 TO 1985

[In thousands, except as indicated. As of **April 1**, except **1985**, as of **fall**. Prior to 1960, excludes Alaska and Hawaii. Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1920 and 1930; "occupied dwelling unit," 1940 and 1950; and "occupied housing unit," 1960 to 1985. For 1920, includes the small number of quasifamilies; for 1930, represents private families only. See also *Historical Statistics, Colonial Times to 1970*, series N 238-245]

RACE OF HOUSEHOLDER AND TENURE	1920	1930	1940	1950	1960	1970	1980	1985
ALL RACES								
Occupied units, total	24,352	29,905	34,855	42,826	53,024	63,445	80,390	88,425
Owner occupied	11,114	14,280	15,196	23,560	32,797	39,886	51,795	56,145
Percent of occupied	45.6	47.8	43.6	55.0	61.9	62.9	64.4	63.5
Renter occupied	13,238	15,624	19,659	19,266	20,227	23,560	28,595	32,280
WHITE								
Occupied units, total	21,826	26,983	31,561	39,044	47,880	56,606	68,810	76,265
Owner occupied	10,511	13,544	14,418	22,241	30,823	37,005	46,671	50,938
Percent of occupied	48.2	50.2	45.7	57.0	64.4	65.4	67.8	66.8
Renter occupied	11,315	13,439	17,143	16,803	17,057	19,601	22,139	25,328
BLACK AND OTHER								
Occupied units, total	2,526	2,922	3,293	3,783	5,144	6,839	11,580	12,160
Owner occupied	603	737	778	1,319	1,974	2,881	5,124	5,208
Percent of occupied	23.9	25.2	23.6	34.9	38.4	42.1	44.2	42.8
Renter occupied	1,923	2,185	2,516	2,464	3,170	3,959	6,456	6,952

Source: U.S. Bureau of the Census, *Census of Housing: 1960*, vol. 1; *1970*, vol. 1; *1980 Census of Housing*, vol. 1, chapter A (HC80-1-A); and *Current Housing Reports*, series H-150-85, American Housing Survey: 1985.

No. 1244. Occupied Housing Units—Tenure, by Selected Characteristics of the Unit and Householder: 1985

[In thousands of units, except as indicated. Based on the American Housing Survey; see Appendix III]

CHARACTERISTIC	Total occupied units	TENURE		BLACK		HISPANIC ORIGIN [1]		ELDERLY [2]		RECENT MOVERS [3]	
		Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter
Total units	**88,425**	**56,145**	**32,280**	**4,310**	**5,593**	**2,012**	**3,066**	**13,835**	**5,062**	**4,664**	**12,166**
Units in structure:											
Single family detached	55,076	46,703	8,373	3,427	1,249	1,660	729	11,180	1,011	3,331	2,975
Single family attached	4,102	2,211	1,890	359	400	70	160	583	250	269	729
2-4 units	10,217	1,996	8,221	171	1,554	110	763	679	1,151	175	3,118
5-9 units	4,372	344	4,029	8	780	14	392	87	559	59	1,684
10-19 units	3,760	261	3,500	31	597	9	325	82	463	69	1,560
20-49 units	2,913	287	2,627	16	390	14	397	142	455	36	1,023
50 or more units	3,230	438	2,792	57	577	17	256	172	1,096	68	632
Mobile home or trailer	4,754	3,906	848	240	45	117	44	909	77	658	445
Stories in structure:											
One story	35,443	26,188	9,255	2,439	1,557	1,491	1,093	6,913	1,373	2,334	3,697
2 stories	26,673	16,561	10,112	796	1,725	302	880	3,603	1,141	1,305	4,448
3 stories	19,207	11,741	7,466	865	1,167	170	388	2,816	1,125	894	2,739
4-6 stories	4,825	1,295	3,530	156	677	34	503	373	632	86	981
7 or more stories	2,277	360	1,917	54	467	15	223	129	790	46	302
Year structure built:											
1939 or earlier	21,051	12,029	9,022	1,139	1,733	295	969	4,447	1,508	576	2,623
1940 to 1949	7,920	5,001	2,919	586	656	238	413	1,838	429	201	888
1950 to 1959	12,794	9,419	3,376	648	621	391	395	2,697	501	472	1,080
1960 to 1969	14,950	10,035	4,915	734	813	327	375	2,234	849	547	1,794
1970 to 1979	23,381	14,128	9,254	915	1,471	559	706	2,107	1,436	1,288	3,986
1980 or later	8,329	5,534	2,796	267	297	200	208	511	340	1,581	1,795
Median year	1962	1962	1962	1957	1957	1962	1954	1952	1961	1975	1968
Percent of total occupied units—											
Lacking some or all plumbing facilities	.8	.4	1.3	1.2	3.0	.4	1.0	.9	2.3	.1	1.0
With public water system or private company	85.5	81.1	93.0	88.2	96.3	94.6	97.2	83.1	93.2	84.5	94.0
With public sewer	76.0	68.7	88.7	78.7	94.2	83.5	93.8	71.1	89.6	72.1	90.2
With air conditioning	33.3	37.0	26.9	25.7	20.2	32.7	17.9	31.9	22.8	47.9	34.9

[1] Persons of Hispanic origin may be of any race. [2] Householders 65 years old and over. [3] Recent movers are householders that moved during the 12 months prior to interview.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Housing Survey.

No. 1245. Occupied Housing Units—Housing Value and Gross Rent: 1985

[In thousands of units, except as indicated. Based on the American Housing Survey; see Appendix III]

VALUE CATEGORY	OWNER OCCUPIED UNITS				RENT CATEGORY	RENTER OCCUPIED UNITS			
	Total units	Black	Hispanic [1]	Elderly [2]		Total units	Black	Hispanic [1]	Elderly [2]
Specified owner occupied	**44,875**	**3,868**	**1,695**	**10,599**	**Specified renter occupied**	**31,606**	**5,549**	**3,050**	**4,982**
Less than $20,000	2,506	622	136	1,014	Less than $200	4,369	1,360	422	1,530
$20,000-$29,999	2,492	432	89	850	$200-$249	2,634	499	247	537
$30,000-$39,999	4,282	602	146	1,351	$250-$299	3,233	594	348	470
$40,000-$49,999	5,279	511	198	1,439	$300-$349	3,717	724	457	464
$50,000-$59,999	4,686	338	156	1,127	$350-$399	3,658	595	347	389
$60,000-$69,999	5,048	318	177	1,018	$400-$449	3,246	528	322	344
$70,000-$79,999	4,014	227	150	813	$450-$499	2,382	312	201	231
$80,000-$99,999	5,977	309	264	1,051	$500-$599	3,133	383	305	287
$100,000-$119,999	3,046	115	140	589	$600-$699	1,694	165	133	135
$120,000-$149,999	2,881	103	130	482	$700-$799	832	79	60	54
$150,000-$199,999	2,319	58	57	388	$800-$999	673	45	28	45
$200,000-$299,999	1,621	24	34	299	$1,000 and over	482	38	54	41
$300,000 and over	723	8	18	136	No cash rent	1,753	226	123	454
Median value (dol.)	66,300	43,500	66,900	55,600	Median amount (dol.)	365	314	349	271

[1] Persons of Hispanic origin may be of any race. [2] Householders 65 years old and over.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Housing Survey.

NO. 1246. OCCUPIED HOUSING UNITS—FINANCIAL SUMMARY, BY SELECTED CHARACTERISTICS OF THE HOUSEHOLDER AND TENURE: 1985

[In thousands of units. Housing costs include real estate taxes, property insurance, utilities, fuel, water, garbage collection, an mortgage. Based on the American Housing Survey; see Appendix III]

ITEM	Total occupied units	TENURE		BLACK		HISPANIC ORIGIN [1]		ELDERLY [2]
		Owner	Renter	Owner	Renter	Owner	Renter	Owner
Total units [3]	**88,425**	**56,145**	**32,280**	**4,310**	**5,593**	**2,012**	**3,066**	**13,835**
Monthly housing costs:								
Less than $300	32,838	22,502	10,337	1,936	2,465	726	1,020	10,242
$300–$399	13,905	6,483	7,422	502	1,319	225	807	1,427
$400–$499	10,969	5,333	5,637	397	840	200	523	648
$500–$599	7,411	4,260	3,151	347	386	138	305	383
$600–$699	4,874	3,171	1,703	211	165	128	133	204
$700–$799	3,381	2,546	835	152	79	93	60	128
$800–$999	3,804	3,127	678	195	45	160	28	157
$1,000 or more	4,709	4,223	486	158	38	166	54	216
Median amount (dol.)	357	348	364	302	314	385	349	199
Monthly housing costs as percent of income:								
Less than 5 percent	2,105	1,877	228	91	20	64	17	390
5–9 percent	9,978	8,986	991	557	93	285	77	2,047
10–14 percent	12,741	9,729	3,012	629	469	306	202	2,506
15–19 percent	12,741	8,441	4,300	584	615	220	396	2,186
20–24 percent	10,890	6,472	4,418	476	653	240	369	1,482
25–29 percent	8,458	4,690	3,767	342	667	191	340	1,148
30–34 percent	5,733	3,184	2,550	301	438	126	238	800
35–39 percent	3,773	1,911	1,862	172	310	97	211	596
40 percent or more	14,362	5,906	8,455	701	1,885	294	991	2,073
Median amount (percent)	21	18	27	21	31	21	30	19
Median monthly costs (dol.):								
Electricity	57	64	43	63	44	61	40	51
Piped gas	49	56	34	66	40	39	[4] 25	52
Fuel oil	64	66	56	64	64	74	62	72

[1] Persons of Hispanic origin may be of any race. [2] Householders 65 years old and over. [3] Includes units with mortga payment not reported and no cash rent not shown separately. [4] Less than $25.

NO. 1247. OWNER OCCUPIED HOUSING UNITS—MORTGAGE CHARACTERISTICS, BY SELECTED CHARACTERISTICS OF THE HOUSEHOLDER: 1985

[Based on the American Housing Survey; see Appendix III]

CHARACTERISTIC	NUMBER (1,000)					PERCENT OF TOTAL OWNER OCCUPIED UN			
	Total owner occupied units	Household characteristics				Total owner occupied units	Household characteristics		
		Black	Hispanic [1]	Elderly [2]	Below poverty level [3]		Black	Hispanic [1]	Elderly [2]
Total units	**56,145**	**4,310**	**2,012**	**13,835**	**5,103**	**100.0**	**100.0**	**100.0**	**100.0**
Mortgages currently on property:									
None, owned free and clear	23,950	1,742	686	11,475	3,351	42.7	40.4	34.1	82.9
Mortgaged	32,195	2,568	1,326	2,360	1,753	57.3	59.6	65.9	17.1
Two mortgages or more	3,263	261	162	90	158	5.8	6.1	8.1	.7
Units with mortgages	**32,195**	**2,568**	**1,326**	**2,360**	**1,753**	**100.0**	**100.0**	**100.0**	**100.0**
Type of primary mortgage:									
FHA	4,586	768	288	270	328	14.2	29.9	21.7	11.4
VA	3,187	357	129	191	102	9.9	13.9	9.7	8.1
Farmers Home Administration	599	110	20	63	116	1.9	4.3	1.5	2.7
Other types	22,570	1,177	827	1,644	1,065	70.1	45.8	62.4	69.7
Not reported [4]	1,253	155	61	192	141	3.9	6.0	4.6	8.1
Payment plan of primary mortgage:									
Fixed payment, self amortizing	25,383	2,088	1,105	1,795	1,268	78.8	81.3	83.3	76.1
Adjustable rate mortgage	2,191	97	65	59	86	6.8	3.8	4.9	2.5
Graduated payment mortgage	585	27	27	9	10	1.8	1.1	2.0	.4
Other [4]	4,036	357	131	496	389	12.5	13.9	9.9	21.0
Term of primary mortgage:									
Less than 16 years	4,913	283	204	298	406	15.3	11.0	15.4	12.6
16–22 years	3,978	294	141	294	161	12.4	11.4	10.6	12.5
23–27 years	4,103	183	123	254	140	12.7	7.1	9.3	10.8
28 years or more	14,403	1,393	689	821	574	44.7	54.2	52.0	34.8
Other (incl. variable) [4]	4,798	416	169	691	472	14.9	16.2	12.7	29.3
Current interest rate:									
Less than 6 percent	1,880	99	57	240	100	5.8	3.9	4.3	10.2
6.0–7.9 percent	3,377	229	113	329	112	10.5	8.9	8.5	13.9
8.0–9.9 precent	5,697	332	216	324	192	17.7	12.9	16.3	13.7
10.0–11.9 percent	4,547	296	155	125	147	14.1	11.5	11.7	5.3
12.0–13.9 percent	4,327	234	208	116	154	13.4	9.1	15.7	4.9
14.0 percent or more	1,155	111	69	47	64	3.6	4.3	5.2	2.0
Other [4]	11,212	1,264	508	1,179	983	34.8	49.2	38.3	50.0
Median rate (percent)	9.3	9.4	9.8	7.6	9.3	(X)	(X)	(X)	(X)

X Not applicable. [1] Hispanic persons may be of any race. [2] Householders 65 years old and over. [3] Househo poverty derived by applying to households the Social Security Administration's poverty index for persons. [4] Includes units th did not know or did not report.

Source of tables 1246 and 1247: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Hous Survey.

No. 1248. Heating Equipment and Fuels for Occupied Units: 1950 to 1985

[See also table 1241 for more data on heating equipment]

ITEM	NUMBER (1,000)					PERCENT DISTRIBUTION				
	1950	1960	1970	1980	1985	1950	1960	1970	1980	1985
Occupied units, total	**42,826**	**53,024**	**63,445**	**80,390**	**88,425**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Heating equipment:										
Warm air furnace	[1] 11,508	17,378	27,515	39,279	47,256	[1] 26.9	32.8	43.4	48.9	53.4
Heat pumps				2,835	3,031				3.5	3.4
Steam or hot water	10,071	11,990	13,211	13,859	13,929	23.5	22.6	20.8	17.2	15.8
Floor, wall, or pipeless furnace	(1)	6,088	5,552	4,693	5,496	(1)	11.5	8.8	5.8	6.2
Built-in electric units	-	664	3,236	6,370	5,733	-	1.3	5.1	7.9	6.5
Room heaters with flue	[2] 15,399	[2] 11,183	7,209	6,098	2,938	[2] 36.0	[2] 21.1	11.4	7.6	3.3
Room heaters without flue	5,268	5,218	3,558	2,736	2,639	12.3	9.8	5.6	3.4	3.0
Fireplaces, stoves, portable heaters or other	(2)	(2)	2,766	3,977	6,876	(2)	(2)	4.4	4.9	7.8
None	581	503	398	541	529	1.4	.9	.6	.7	.6
House heating fuel:										
Utility gas	11,387	22,851	35,014	42,658	45,328	26.6	43.1	55.2	53.1	51.3
Fuel oil, kerosene, etc	9,686	17,158	16,473	14,655	13,505	22.6	32.4	26.0	18.2	15.3
Electricity	283	933	4,876	14,768	18,361	.7	1.8	7.7	18.3	20.8
Bottled, tank, or LP gas	787	2,686	3,807	4,535	3,584	1.8	5.1	6.0	5.6	4.1
Wood and other fuel	4,855	2,460	1,060	2,729	6,670	11.3	4.6	1.7	3.4	7.5
Coal or coke	14,828	6,456	1,821	504	447	34.6	12.2	2.9	.6	.5
None	999	478	395	541	(NA)	2.3	.9	.6	.7	(NA)
Cooking fuel:										
Electricity	6,403	16,351	25,768	41,906	49,057	15.0	30.8	40.6	52.1	55.5
Gas [3]	25,501	33,787	36,558	37,944	38,609	59.6	63.7	57.6	47.2	43.7
Other fuel	10,796	2,603	908	398	305	25.2	4.9	1.4	.5	.3
None	124	280	213	142	(NA)	.3	.5	.3	.2	(NA)

- Represents zero. NA Not available. [1] "Floor, wall, or pipeless furnace" included in "Warm air furnace." [2] "Fireplaces, stoves, or portable heaters" included in "Room heaters with flue." [3] Includes utility, bottled, tank, and LP gas.

Source: U.S. Bureau of the Census, *Census of Housing, 1960*, vol. 1, and *1980*, vol. 1; *Current Housing Reports*, series H-150-85, American Housing Survey: 1985.

No. 1249. Appliances Used by Households, by Region and Family Income: 1984

[In **millions, except percent.** As of **November.** Represents appliances possessed and generally used by the household. Based on Residential Energy Consumption Survey; see Appendix III. For composition of regions, see fig. I, inside front cover]

TYPE OF APPLIANCE	HOUSEHOLDS USING APPLIANCE		REGION				FAMILY INCOME IN 1984			
	Number	Percent of total	Northeast	Midwest	South	West	Under $15,000	$15,000-$24,999	$25,000-$34,999	$35,000 and over
Total households	**86.3**	**100.0**	**18.3**	**21.6**	**29.3**	**17.1**	**35.0**	**17.4**	**15.3**	**18.7**
Air conditioners: Room [1]	26.8	31.0	7.5	7.2	9.3	2.8	10.7	6.0	5.2	4.9
Central system	24.6	28.5	1.8	5.8	13.3	3.7	6.6	4.4	5.1	8.4
Clothes washer	63.1	73.1	13.4	15.8	22.0	12.0	21.0	12.5	12.4	17.2
Clothes dryer	53.1	61.5	10.7	14.2	17.8	10.5	14.7	10.6	11.6	16.3
Dehumidifier	7.5	8.7	2.8	3.6	1.1	(S)	.9	1.5	2.1	2.9
Dishwasher	32.5	37.6	6.4	6.6	11.5	7.9	6.1	5.7	7.5	13.2
Evaporative cooler [2]	3.2	3.8	(S)	(S)	.5	2.6	1.3	.6	.6	.6
Freezer	31.7	36.7	5.3	9.2	11.7	5.6	10.5	5.9	6.2	9.1
Humidifier	11.3	13.1	2.8	6.2	1.6	.8	2.5	2.0	2.6	4.3
Microwave oven [3]	29.6	34.3	4.0	8.6	10.1	7.0	5.9	5.9	7.4	10.4
Motor vehicles: [4] One	30.7	35.6	6.8	7.7	10.0	6.2	17.0	7.3	3.9	2.5
Two or more	44.6	51.7	7.9	11.2	15.9	9.5	8.8	9.1	10.9	15.8
Outdoor gas grill	11.5	13.4	3.6	2.6	3.5	1.8	1.5	1.7	2.8	5.5
Outdoor gas light	1.2	1.4	.2	.5	.5	(S)	(S)	.2	.2	.4
Oven: Electric	42.4	49.1	7.2	10.0	15.8	9.4	14.4	8.5	8.2	11.2
Gas	35.9	41.5	9.7	9.8	9.7	6.7	16.5	7.4	5.9	6.1
Portable electric heater	8.9	10.3	1.4	1.5	3.7	2.3	3.6	1.7	1.9	1.6
Portable kerosene heater	5.3	6.1	1.3	1.2	2.5	.2	1.7	1.3	1.0	1.4
Range: Electric	46.5	53.9	7.7	11.2	18.2	9.4	16.2	9.2	9.0	12.1
Gas	39.0	45.2	10.4	10.2	10.9	7.6	18.3	8.1	6.1	6.7
Refrigerator: Frost-free	53.9	62.4	9.5	12.8	19.8	11.8	17.1	10.6	10.8	15.3
Non frost-free [5]	32.2	37.3	8.7	8.8	9.5	5.2	17.6	6.7	4.5	3.4
Television set: Color	75.9	88.0	16.3	19.3	25.1	15.2	27.7	15.6	14.4	18.2
Black and white	37.3	43.2	9.0	9.0	13.3	6.0	14.6	7.1	6.7	8.8
Water heater: [6] Gas	41.3	47.8	7.0	12.5	11.8	10.0	14.8	8.1	8.0	10.5
Electric	27.9	32.3	3.9	4.8	15.0	4.3	11.4	5.8	4.7	6.0
Other fuel	2.8	3.2	2.6	(S)	.2	(S)	.7	.5	.6	.7
Whole house cooling fan	6.7	7.8	1.3	1.7	3.1	.7	1.2	1.3	1.7	2.5
Window or ceiling fan	30.6	35.5	6.0	7.9	13.8	3.0	11.2	6.5	6.1	6.9

S Figure does not meet publication standards. [1] Includes small amount of households that have both central air conditioners and room units. [2] An air-cooling unit used in dry climates that turns air into moist, cool air by saturating the air with water vapor. [3] Microwave is first or second most used oven. [4] All motorized vehicles used by U.S. households for personal transportation excluding motorcycles, mopeds, large trucks, and buses. [5] Includes refrigerators without freezer compartments. [6] Excludes water heaters that serve more than one household.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1984*, October 1986.

No. 1250. Occupied Housing Units—Housing Indicators, by Selected Characteristics of the Householder and Tenure: 1985

[In thousands of units. Based on the American Housing Survey; see Appendix III]

CHARACTERISTIC	Total occupied units	TENURE		BLACK		HISPANIC ORIGIN [1]		ELDERLY [2]		RECENT MOVERS [3]
		Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter	Owner
Total units	**88,425**	**56,145**	**32,280**	**4,310**	**5,593**	**2,012**	**3,066**	**13,835**	**5,062**	**4,664**
Amenities:										
Porch, deck, balcony or patio	64,120	45,569	18,551	3,202	2,968	1,503	1,339	11,091	2,484	3,609
Usable fireplace	25,353	21,674	3,679	894	342	588	201	3,916	295	1,909
Separate dining room	34,164	26,496	7,668	2,041	1,275	828	592	6,300	998	2,001
With 2 or more living rooms or recreation rooms	28,228	24,920	3,307	1,515	405	648	174	4,916	361	1,881
Garage or carport with home	48,727	39,367	9,360	2,128	814	1,375	843	9,686	1,093	2,971
Cars available:										
None	13,931	4,830	9,101	755	2,622	223	1,175	2,572	2,792	301
1 car	42,270	25,924	16,346	1,910	2,320	905	1,367	8,205	2,028	2,189
2 cars	24,978	19,158	5,820	1,226	594	680	419	2,598	223	1,845
3 or more cars	7,247	6,233	1,014	419	57	204	86	460	19	330
Trucks or vans available:										
None	62,831	35,783	27,047	3,357	5,243	1,195	2,648	11,022	4,806	2,906
1	21,804	17,125	4,679	876	334	707	395	2,498	247	1,538
2 or more	3,791	3,237	554	78	16	110	22	314	10	220
Internal deficiencies:										
Holes in floors	1,483	475	1,007	143	406	40	165	132	100	42
Open cracks or holes	5,572	2,009	3,563	422	1,114	120	518	470	332	178
Broken plaster or peeling paint (interior of unit)	4,992	1,955	3,037	311	907	103	442	483	367	134
No electrical wiring	17	10	7	-	7	-	-	5	2	-
Exposed wiring	2,009	904	1,105	128	325	51	163	329	182	90
Rooms without outlet	2,502	1,210	1,292	158	397	48	174	487	195	83
Water leakage [4]	29,110	17,694	11,416	1,718	2,454	551	1,072	3,515	1,310	1,511

- Represents zero. [1] Persons of Hispanic origin may be of any race. [2] Householders 65 years old and ov
[3] Recent movers are householders that moved during the 12 months prior to interview. [4] During the 12 months prior to th survey.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Housing Survey.

No. 1251. Owner Occupied Housing Units—Home Improvements and Repairs, by Selected Characteristics of the Householder: 1985

[Covers only units performing repairs, improvements, or alterations in the 2 years prior to the survey. Based on the American Housing Survey; see Appendix III]

CHARACTERISTIC	NUMBER (1,000)					PERCENT OF TOTAL OWNER OCCUPIED UNITS				
	Total owner occupied units	Household characteristics				Total occupied units	Household characteristics			
		Black	Hispanic [1]	Elderly [2]	Below poverty level [3]		Black	Hispanic [1]	Elderly [2]	Below poverty level [3]
Total units	**56,145**	**4,310**	**2,012**	**13,835**	**5,103**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Roof replaced	9,161	800	418	2,624	950	16.3	18.6	20.8	19.0	18.6
Work mostly done by others	6,463	616	246	2,151	675	11.5	14.3	12.2	15.5	13.2
Costing more than $500	5,863	447	237	1,706	477	10.4	10.4	11.8	12.3	9.3
Additions built	3,502	233	141	414	264	6.2	5.4	7.0	3.0	5.2
Work mostly done by others	1,524	130	60	282	90	2.7	3.0	3.0	2.0	1.8
Costing more than $500	2,623	169	85	308	161	4.7	3.9	4.2	2.2	3.2
Kitchen remodeled or added	4,631	314	184	670	299	8.2	7.3	9.1	4.8	5.9
Work mostly done by others	2,114	199	76	477	163	3.8	4.6	3.8	3.4	3.2
Costing more than $500	2,959	179	96	431	125	5.3	4.2	4.8	3.1	2.4
Bathroom remodeled or added	5,534	369	239	718	376	9.9	8.6	11.9	5.2	7.4
Work mostly done by others	2,106	200	89	469	173	3.8	4.6	4.4	3.4	3.4
Costing more than $500	2,741	159	106	340	134	4.9	3.7	5.3	2.5	2.6
Siding replaced or added	3,293	238	109	544	229	5.9	5.5	5.4	3.9	4.5
Work mostly done by others	1,942	166	68	396	140	3.5	3.9	3.4	2.9	2.7
Costing more than $500	1,836	137	52	341	94	3.3	3.2	2.6	2.5	1.8
Storm doors/windows installed	8,820	696	187	1,476	595	15.7	16.1	9.3	10.7	11.7
Work mostly done by others	4,476	477	87	1,047	376	8.0	11.1	4.3	7.6	7.4
Costing more than $500	3,006	230	68	567	143	5.4	5.3	3.4	4.1	2.8
Major equipment replaced or added	5,063	292	140	955	305	9.0	6.8	7.0	6.9	6.0
Work mostly done by others	3,777	222	110	800	206	6.7	5.2	5.5	5.8	4.0
Costing more than $500	3,625	174	99	731	167	6.5	4.0	4.9	5.3	3.3
Insulation added	6,959	350	256	1,075	448	12.4	8.1	12.7	7.8	8.8
Work mostly done by others	2,965	201	157	705	260	5.3	4.7	7.8	5.1	5.1
Costing more than $500	1,696	69	65	263	67	3.0	1.6	3.2	1.9	1.3

[1] Persons of Hispanic origin may be of any race. [2] Householders 65 years old and over. [3] Household poverty derived by applying to households the Social Security Administration's poverty index for persons.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-85, American Housing Survey.

No. 1252. Expenditures by Residential Property Owners for Improvements and Maintenance and Repairs, by Type of Property and Activity: 1970 to 1987

[In millions of dollars]

YEAR AND TYPE OF EXPENDITURE	Total	1-unit properties with owner occupant	Other properties	ADDITIONS AND ALTERATIONS				Major replacements	Maintenance and repairs
				Total	To structures		To property outside of structures		
					Additions	Alterations			
1970	14,770	9,469	5,301	6,246	1,411	3,539	1,296	2,629	5,895
1975	25,239	15,684	9,556	10,997	1,971	6,844	2,182	4,484	9,758
1976	29,034	18,854	10,180	12,314	3,493	6,367	2,454	5,341	11,379
1977	31,280	21,761	9,519	14,237	2,655	8,505	3,077	5,699	11,344
1978	37,461	24,189	13,272	16,458	3,713	8,443	4,302	8,094	12,909
1979	42,231	28,280	13,951	18,285	3,280	9,642	5,363	8,996	14,950
1980	46,338	31,481	14,857	21,336	4,183	11,193	5,960	9,816	15,187
1981	46,351	30,201	16,150	20,414	3,164	11,947	5,303	9,915	16,022
1982	45,291	29,779	15,512	18,774	2,641	10,711	5,423	9,707	16,810
1983	49,295	32,524	16,771	20,271	4,739	11,673	3,859	10,895	18,128
1984	69,784	43,781	26,003	27,822	6,007	14,486	7,329	13,067	28,894
1985, total [1]	**80,267**	**47,742**	**32,525**	**28,775**	**3,966**	**17,599**	**7,211**	**16,134**	**35,358**
Heating and air-conditioning [2]	5,096	3,287	1,809	1,121	(NA)	1,121	(NA)	2,322	1,653
Plumbing	8,120	4,029	4,091	1,502	(NA)	1,502	(NA)	3,115	3,503
Roofing	7,497	4,428	3,069	(NA)	(NA)	(NA)	(NA)	5,086	2,411
Painting	11,267	5,810	5,457	(NA)	(NA)	(NA)	(NA)	(NA)	11,267
1986, total [1]	**91,274**	**54,298**	**36,976**	**38,608**	**7,377**	**21,192**	**10,040**	**16,695**	**35,971**
Heating and air-conditioning [2]	6,232	3,993	2,239	974	(NA)	974	(NA)	3,399	1,860
Plumbing	8,461	3,791	4,670	1,484	(NA)	1,484	(NA)	3,408	3,569
Roofing	7,685	3,834	3,851	(NA)	(NA)	(NA)	(NA)	4,552	3,133
Painting	11,170	5,673	5,497	(NA)	(NA)	(NA)	(NA)	(NA)	11,170
1987, total [1]	**94,082**	**54,791**	**39,291**	**39,978**	**9,557**	**21,641**	**8,779**	**15,875**	**38,229**
Heating and air-conditioning [2]	6,410	3,932	2,478	1,534	(NA)	1,534	(NA)	2,537	2,340
Plumbing	8,510	3,830	4,680	1,856	(NA)	1,856	(NA)	3,220	3,434
Roofing	6,020	2,487	3,533	(NA)	(NA)	(NA)	(NA)	3,457	2,563
Painting	11,504	5,704	5,800	(NA)	(NA)	(NA)	(NA)	(NA)	11,504

NA Not available. [1] Includes types of expenditures not separately specified. [2] Central air-conditioning.

Source: U.S. Bureau of the Census, *Construction Reports,* series C50.

No. 1253. Vacancy Rates for Housing Units—Characteristics: 1982 to 1987

[In percent. Annual averages. Based on Current Population Survey and Quarterly Household Survey. Rate is relationship between vacant housing for rent or for sale and the total rental and homeowner supply, which comprises occupied units, units rented or sold and awaiting occupancy, and vacant units available for rent or sale. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970,* series N 249-258]

RENTAL UNITS	1982	1983	1984	1985	1986	1987
Total rental units	**5.3**	**5.7**	**5.9**	**6.5**	**7.3**	**7.7**
Inside SMSAs	5.0	5.5	5.7	6.3	7.2	7.7
Outside SMSAs	6.2	6.3	6.4	7.1	8.2	7.8
Northeast	3.7	4.0	3.7	3.5	3.9	4.1
Midwest	6.3	6.1	5.9	5.9	6.9	6.8
South	5.8	6.9	7.9	9.1	10.1	10.9
West	5.4	5.2	5.2	6.2	7.1	7.3
Units in structure:						
1 unit	3.6	3.7	3.8	3.8	3.9	4.0
2 or more	6.2	6.7	7.0	7.9	9.2	9.7
5 or more	6.5	7.1	7.5	8.8	10.4	11.2
Units with:						
3 rooms or less	7.2	7.2	7.5	8.8	10.2	10.7
4 rooms	5.0	5.7	6.3	6.9	8.0	8.6
5 rooms	4.0	4.4	4.6	5.0	5.3	5.4
6 rooms or more	3.5	3.7	3.5	3.2	3.3	3.3
Monthly rent:						
Less than $100	3.4	2.5	2.7	3.5	2.8	2.2
$100 or more	5.4	5.7	5.9	6.6	7.7	9.0
Year built:						
1960 or later	5.3	5.9	6.6	7.9	9.5	11.2
1965 or later	5.6	6.2				
1940-1959	5.2	5.4	5.6	6.2	6.9	7.7
1939 or earlier	5.5	5.6	5.3	5.0	5.0	5.1
Plumbing:						
With all facilities	5.1	5.5	5.7	6.3	7.2	7.5
Lacking facilities	12.2	11.8	13.6	13.8	14.5	16.2

HOMEOWNER UNITS	1982	1983	1984	1985	1986	1987
Total homeowner units	**1.5**	**1.5**	**1.7**	**1.7**	**1.6**	**1.7**
Inside SMSAs	1.5	1.6	1.6	1.7	1.5	1.6
Outside SMSAs	1.5	1.5	1.8	1.9	1.8	1.9
Northeast	1.0	1.0	.8	1.0	1.0	1.2
Midwest	1.6	1.5	1.6	1.6	1.5	1.4
South	1.6	1.8	2.0	2.1	2.1	2.0
West	1.9	1.8	2.0	2.1	1.6	1.8
Units in structure:						
1 unit	1.2	1.3	1.4	1.4	1.3	1.4
2 or more	6.1	5.2	6.1	6.6	5.6	5.8
5 or more	12.2	8.8	10.6	10.1	8.3	8.6
Units with:						
3 rooms or less	3.9	3.3	4.8	5.8	5.2	5.5
4 rooms	2.4	2.4	2.8	2.3	2.3	2.5
5 rooms	1.4	1.4	1.6	2.0	1.7	1.7
6 rooms or more	1.2	1.3	1.4	1.4	1.3	1.3
Value:						
Less than $19,999	2.3	2.3	2.5	2.5	2.8	3.5
$20,000 or more	1.2	1.2	1.3	1.3	1.2	1.3
Year built:						
1960 or later	1.8	1.8	2.0	2.0	1.8	1.8
1965 or later	2.1	1.9				
1940-1959	.9	1.1	1.2	1.2	1.2	1.1
1939 or earlier	1.6	1.7	1.7	1.8	1.8	1.7
Plumbing:						
With all facilities	1.5	1.5	1.6	1.7	1.6	1.6
Lacking facilities	3.9	3.6	5.3	7.5	6.0	5.6

Source: U.S. Bureau of the Census, *Current Housing Reports,* series H-111.

NO. 1254. RECENT HOME BUYERS—GENERAL CHARACTERISTICS AND DOWNPAYMENTS: 1977 TO 1987

[As of October. Based on a sample survey; subject to sampling variability]

ITEM	Unit	1977	1979	1980	1981	1982	1983	1984	1985	1986
Median price of house purchased	Dollars	49,320	58,100	68,714	78,220	82,500	90,000	89,400	90,400	93,680
First-time buyers	Dollars	43,160	50,[illegible]	61,450	63,160	58,900	73,100	81,500	75,100	74,700
Repeat buyers [1]	Dollars	58,730	64,600	75,750	82,220	98,300	101,800	100,400	106,200	114,960
Average monthly mortgage payment	Dollars	361	449	599	684	732	794	868	896	852
Percent of income	Percent	250	26.2	32.4	35.5	33.0	32.5	30.3	30.0	28.6
Percent buying—										
New houses	Percent	12.8	17.8	22.4	25.2	23.2	26.4	22.3	23.8	25.7
Existing houses	Percent	87.2	82.2	77.6	74.8	76.8	73.6	77.7	76.2	74.3
Single-family houses	Percent	90.2	87.5	82.4	78.3	76.6	87.8	89.9	87.0	85.1
Condominiums [2]	Percent	9.8	12.1	17.6	20.3	23.4	12.2	10.1	10.6	14.2
For the first time	Percent	46.1	36.6	32.9	39.4	40.6	40.5	37.7	36.6	35.5
Average age of first-time buyers	Years	28.2	28.4	28.3	28.4	28.6	28.9	29.1	28.4	30.9
Average age of repeat buyers [1]	Years	37.9	34.7	36.4	36.4	37.1	37.3	37.8	38.4	39.5
Downpayment to sales price	Percent	28.1	24.9	28.0	24.1	22.4	22.9	20.9	24.8	23.4
First-time buyers	Percent	19.2	17.6	20.5	19.4	15.1	15.7	13.2	11.4	13.4
Repeat buyers [1]	Percent	35.0	29.0	32.7	27.1	27.3	27.8	26.6	32.7	28.9

[1] Buyers who previously owned a home. [2] Includes multiple-family houses.

Source: Chicago Title Insurance Company, Chicago, IL, *The Guarantor,* bimonthly. (Copyright.)

NO. 1255. VOLUME OF LONG-TERM MORTGAGE LOANS ORIGINATED, BY TYPE OF PROPERTY, 1970 TO 1987, AND BY LENDER, 1987

[In billions of dollars. Covers credit extended in primary mortgage markets for financing real estate acquisitions]

TYPE OF PROPERTY	1970	1975	1980	1982	1983	1984	1985	1986	1987, BY LENDER			
									Total [1]	Savings and loan	Commercial banks	Mortgage companies
Loans, total	**59.9**	**120.7**	**197.2**	**153.9**	**295.6**	**319.2**	**383.3**	**662.1**	**671.6**	**210.4**	**248.5**	**115.4**
1-4 unit family home	35.6	77.9	133.7	97.0	201.9	203.7	243.0	455.1	449.5	173.8	124.6	110.1
New units	12.6	24.6	49.1	30.6	47.4	53.7	53.6	82.8	69.5	28.2	19.3	36.1
Existing units	23.0	53.3	84.6	66.4	154.5	150.0	189.4	372.2	380.0	145.7	105.3	74.0
Multifamily residential	8.8	10.7	12.5	11.4	21.4	27.6	31.9	49.9	45.0	17.7	8.3	2.4
New units	7.0	5.8	8.6	6.1	8.8	11.1	10.6	15.3	14.1	1.8	1.5	.6
Existing units	1.8	4.9	3.9	5.3	12.6	16.5	21.3	34.6	30.9	15.9	6.8	1.8
Non-residential	12.5	24.2	35.9	34.3	62.4	77.3	99.4	147.4	168.7	18.8	110.5	2.9
Farm properties	3.0	7.9	15.0	11.2	9.9	10.5	9.0	9.8	8.4	-	5.2	-

- Represents zero. [1] Includes life insurance companies and other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *Survey of Mortgage Lending Activity, 1970-1979,* and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

NO. 1256. CHARACTERISTICS OF CONVENTIONAL FIRST MORTGAGE LOANS FOR PURCHASE OF SINGLE-FAMILY HOMES: 1970 TO 1988

[Annual averages, except as indicated. Refers to loans originated directly (rather than through correspondents) by savings and associations, mortgage companies, commercial banks, or mutual savings banks]

LOAN CHARACTERISTIC	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
NEW HOMES													
Contract interest rate	Percent	8.3	8.8	9.3	10.5	12.3	14.1	14.5	12.1	11.9	11.1	9.7	8.9
Initial fees, charges [1]	Percent	1.03	1.53	1.39	1.66	2.09	2.66	2.96	2.39	2.66	2.52	2.50	2.26
Term to maturity	Years	25.1	27.0	28.0	28.5	28.1	27.7	27.5	26.7	27.8	27.0	26.8	27.8
Loan to price ratio	Percent	71.7	76.2	75.2	73.8	73.2	74.8	76.6	77.3	78.6	77.1	75.3	75.2
Purchase price	$1,000	35.5	44.7	62.6	74.4	83.2	90.3	94.1	93.9	96.8	105.0	119.8	137.2
EXISTING HOMES													
Contract interest rate	Percent	8.2	9.0	9.4	10.6	12.5	14.5	14.8	12.3	12.0	11.2	9.8	8.9
Initial fees, charges [1]	Percent	.92	1.16	1.26	1.44	1.91	2.27	2.56	2.40	2.54	2.50	2.13	2.02
Term to maturity	Years	22.8	24.2	26.4	27.1	26.9	25.9	24.9	25.9	26.5	25.5	25.4	26.6
Loan to price ratio	Percent	71.1	73.5	75.0	74.0	73.5	72.9	71.9	74.3	76.8	75.7	73.9	75.4
Purchase price	$1,000	30.0	39.2	54.5	64.8	68.3	68.5	70.7	79.3	82.2	92.7	108.5	117.7

[1] Rate applies to any general or specific charges paid by borrower or seller, in order to obtain a loan, except those for mortgage credit, life, or property insurance; for property transfer; and for title search and insurance.

Source: U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book,* annual, and monthly news

NO. 1257. LOW-INCOME PUBLIC HOUSING UNITS, BY PROGRESS STAGE: 1960 TO 1987

[**In thousands. As of Dec. 31.** Housing for the elderly intended for persons 62 years old or over, disabled, or handicapped. Includes Puerto Rico and Virgin Islands. Covers units subsidized by HUD under annual contributions contracts. See also *Historical Statistics, Colonial Times to 1970*, series N 186-191]

YEAR	Total	Occupied units [1]	Under construction	Other [2]	YEAR	Total	Occupied units [1]	Under construction	Other [2]
1960	**593.3**	**478.2**	**36.4**	**78.8**	1983	**1,483.3**	**1,262.5**	**86.7**	**134.1**
Elderly	18.9	1.1	4.1	13.7	Elderly	410.0	338.4	35.7	35.9
1970	**1,155.3**	**893.5**	**126.8**	**135.0**	1984	**1,368.7**	**1,312.9**	**24.0**	**31.8**
Elderly	249.4	143.4	65.7	40.3	Elderly	373.0	351.4	9.4	12.2
1980	**1,321.1**	**1,195.6**	**30.9**	**94.6**	1985	**1,378.0**	**1,344.6**	**9.6**	**19.5**
Elderly	358.3	317.7	11.5	29.1	Elderly	373.5	361.1	2.1	10.3
1981	**1,404.0**	**1,229.3**	**51.5**	**123.2**	1986	**1,365.1**	**1,333.8**	**12.1**	**19.3**
Elderly	385.4	327.7	21.8	35.9	Elderly	373.0	363.9	3.0	6.0
1982	**1,432.2**	**1,231.4**	**66.7**	**134.1**	1987	**1,371.7**	**1,339.1**	**9.5**	**23.2**
Elderly	392.0	328.4	27.7	35.9	Elderly	373.4	365.4	1.6	6.5

[1] Under management or available for occupancy. [2] To be constructed or to go directly "under management" because no rehabilitation needed.

Source: U.S. Dept. of Housing and Urban Development, unpublished data.

NO. 1258. RESIDENTIAL LOANS UNDERWRITTEN BY FHA: 1970 TO 1987

[**In millions of dollars.** Figures are gross amount of insurance written; do not take account of principal repayments on previously insured loans. See also *Historical Statistics, Colonial Times to 1970*, series N 291-297]

LOAN	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
FHA-insured loans	**11,982**	**7,941**	**22,849**	**22,301**	**14,978**	**14,105**	**31,651**	**17,749**	**28,379**	**61,758**	**86,561**
Home mortgages: New properties	2,667	1,148	3,409	4,071	3,177	2,444	4,209	3,704	3,999	7,129	10,365
Existing properties	5,447	5,017	14,759	12,387	7,102	5,843	22,363	10,821	19,965	49,772	71,516
Project type mortgages	3,251	976	2,719	4,197	3,024	4,464	3,227	1,867	3,219	3,708	3,780
Property improvement loans [1]	617	799	1,962	1,646	1,674	1,354	1,852	1,357	1,196	1,149	900

[1] Not ordinarily secured by mortgages. Includes mobile home loans.

Source: U.S. Dept. of Housing and Urban Development, 1970-1979, *HUD Statistical Yearbook*; thereafter, unpublished data.

NO. 1259. OFFICE BUILDINGS—VACANCY RATES, 1980 TO 1988, AND STATUS OF SUPPLY, 1988, BY MAJOR CITY

[**As of December; except 1988, as of June.** Excludes government owned and occupied, owner-occupied, and medical office buildings]

CITY	VACANCY RATE FOR EXISTING SPACE (percent)									SUPPLY STATUS, 1988 (mil. sq. ft.)			
										Existing space		Space under construction	
	1980	1981	1982	1983	1984	1985	1986	1987	1988	Total	Available for lease	Total	Available for lease
Total [1]	**4.6**	**5.4**	**11.6**	**13.5**	**15.5**	**16.9**	**16.6**	**19.0**	**19.2**	**1,676.2**	**308.3**	**117.9**	**90.0**
Atlanta, GA	10.0	13.6	16.8	13.7	14.5	21.0	20.1	19.6	18.7	73.8	13.8	4.9	3.6
Baltimore, MD	7.2	3.2	5.9	6.4	11.9	11.5	15.9	15.8	14.9	24.5	3.6	3.4	2.3
Boston, MA	3.8	4.7	7.8	4.4	8.9	13.1	13.0	12.6	13.0	102.7	13.4	6.4	3.5
Charlotte, NC	(NA)	(NA)	(NA)	(NA)	16.7	16.7	15.5	15.1	17.3	16.0	2.8	1.2	.8
Chicago, IL	7.0	6.4	6.9	12.6	14.8	16.5	19.6	17.0	16.7	172.0	28.7	13.3	8.5
Cincinnati, OH	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	17.7	13.3	13.1	20.8	2.7	1.2	.9
Dallas, TX	8.6	8.4	16.6	21.5	18.7	23.0	30.9	29.1	31.2	115.7	36.1	1.8	.6
Denver, CO	6.6	4.1	22.6	24.1	20.6	24.7	25.1	27.9	28.3	69.2	19.6	-	-
Fort Worth, TX	(NA)	(NA)	(NA)	(NA)	24.1	22.5	24.7	26.9	26.5	20.0	5.3	1.8	.4
Houston, TX	4.0	7.6	20.3	26.9	25.0	27.6	30.6	31.8	31.2	146.1	45.5	.1	.1
Jacksonville, FL	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	17.2	14.7	14.3	12.9	1.8	.7	.5
Kansas City, MO	4.2	6.7	12.4	15.7	18.6	16.2	18.2	18.2	21.0	31.2	6.6	.6	.5
Los Angeles, CA	.9	5.5	12.3	14.0	20.4	15.3	13.2	19.0	16.8	213.3	35.9	15.2	11.6
Memphis, TN	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	22.2	23.5	15.8	3.7	.6	.5
Miami, FL	2.4	5.0	6.3	14.0	18.2	20.9	25.2	26.1	26.5	28.1	7.5	.6	.3
Milwaukee, WI	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	16.8	21.6	16.7	3.6	.5	.4
New Orleans, LA	(NA)	3.7	7.4	19.0	22.4	21.8	25.5	24.3	24.3	22.9	5.6	.4	.2
New York, NY [2]	3.1	3.6	4.9	5.0	6.8	7.9	8.9	9.7	11.5	225.0	25.8	14.5	10.5
Philadelphia, PA	6.3	5.7	12.8	8.6	9.0	14.5	15.5	16.5	15.7	59.6	9.3	8.7	5.6
Pittsburgh, PA	1.2	2.8	7.1	7.8	14.2	(NA)	12.0	12.3	14.6	45.1	6.6	.5	.4
St. Louis, MO	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	15.6	15.9	27.5	4.4	2.7	2.0
San Antonio, TX	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	30.2	19.1	5.8	.5	.1
San Diego, CA	(NA)	(NA)	25.3	22.9	21.8	24.7	25.4	22.8	21.1	28.6	6.0	4.0	3.5
San Francisco, CA	.4	4.2	7.3	11.3	9.0	13.7	16.6	15.0	17.8	52.0	9.3	2.0	1.8
Washington, DC	2.5	1.7	6.3	7.2	9.6	9.0	13.6	13.4	13.2	136.2	17.9	19.0	15.6

- Represents zero. NA Not available. [1] Includes other cities not shown separately. In 1988, 35 cities were covered. [2] Refers to Manhattan.

Source: The Office Network®, Houston, TX, 1980-1985, *National Office Market Report*, semi-annual; thereafter, *International Office Market Report*®, semi-annual. (Copyright.)

NO. 1260. COMMERCIAL BUILDINGS— SELECTED CHARACTERISTICS, BY SQUARE FOOTAGE
FLOORSPACE: 1986

[Excludes buildings 1,000 square feet or smaller. Building type based on predominant activity in which the occupan engaged. Based on a sample survey of building representatives conducted between January and April 1986; therefore, sampling variability. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	Number of buildings (1,000)	FLOORSPACE (mil. sq. ft.) Total	Within all buildings having square footage of— 5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 and over	Mean sq. ft. per building (1,000)
All buildings	**4,154**	**58,228**	**6,209**	**6,861**	**9,119**	**8,561**	**8,559**	**18,821**	**14.0**
Region:									
Northeast	663	11,830	855	1,358	1,443	1,822	1,525	4,726	17.8
Midwest	1,096	16,034	1,565	2,033	2,431	1,959	2,333	5,714	14.6
South	1,570	19,427	2,528	2,314	3,291	2,936	3,206	5,146	12.4
West	825	10,937	1,261	1,156	1,956	1,842	1,491	3,233	13.3
Year constructed:									
1984 to 1986	309	4,678	442	509	785	804	611	1,526	15.1
1980 to 1983	350	5,205	611	487	803	503	730	2,071	14.9
1974 to 1979	572	8,230	862	978	1,142	1,155	1,492	2,612	14.4
1971 to 1973	243	4,307	332	466	463	528	535	1,982	17.7
1961 to 1970	730	11,469	1,027	1,160	1,639	1,850	1,813	3,980	15.7
1946 to 1960	870	9,712	1,408	1,335	1,694	1,459	1,529	2,287	11.1
1921 to 1945	629	8,594	922	946	1,753	1,312	1,078	2,581	13.7
1901 to 1920	255	3,665	361	489	539	616	469	(S)	14.4
1900 or before	188	2,368	254	490	301	433	(S)	(S)	12.6
Principal activity within building:									
Assembly	575	7,339	798	1,020	1,750	1,161	1,040	(S)	12.8
Education	241	7,321	200	375	749	1,424	1,454	(S)	30.3
Food sales/service	303	1,993	586	(S)	(S)	(S)	(S)	(S)	6.6
Health care	52	2,107	63	(S)	(S)	197	(S)	1,583	40.5
Lodging	137	2,785	138	208	508	546	806	(S)	20.4
Mercantile/services	1,287	12,805	2,062	2,260	2,284	1,622	1,700	2,878	9.9
Office	614	9,546	1,003	989	1,284	1,227	1,047	3,996	15.5
Public order and safety	55	680	76	(S)	218	(S)	(S)	(S)	12.4
Warehouse	549	8,996	774	920	1,143	1,574	1,446	(S)	16.4
Other	103	1,726	162	(S)	279	(S)	352	(S)	16.8
Vacant	238	2,931	365	355	458	531	503	(S)	12.3
Government owned	493	12,187	565	752	1,456	2,053	2,068	5,290	24.7
Non-government owned	3,661	46,041	5,644	6,109	7,661	6,607	6,490	13,529	12.6
Fuels used alone or in combination:									
Electricity	4,013	57,036	5,970	6,674	8,901	8,553	8,241	18,697	14.2
Natural gas	2,278	38,140	3,106	4,132	5,779	5,388	5,279	14,454	16.7
Fuel oil	542	11,163	711	1,036	1,138	1,462	1,431	5,383	20.6
Propane	351	3,362	614	473	586	555	597	(S)	9.6
Steam or hot water	78	4,645	66	(S)	316	436	747	3,043	59.5
Chilled water	15	1,191	(S)	(S)	(S)	(S)	(S)	988	79.7
Minor fuels [1]	163	1,557	227	245	251	(S)	(S)	(S)	9.6
No energy sources used	136	1,171	229	174	(S)	(S)	(S)	(S)	8.6
Workers:									
Fewer than 5	2,033	13,129	3,656	2,835	2,546	1,514	1,256	(S)	6.5
5 to 9	842	6,576	1,466	1,491	1,321	989	669	(S)	7.8
10 to 19	587	7,895	777	1,287	2,051	1,531	1,233	(S)	13.4
20 to 49	434	8,847	253	1,049	2,150	2,423	1,336	(S)	20.4
50 to 99	152	6,510	(S)	169	836	1,547	1,636	(S)	42.9
100 to 249	73	6,445	(S)	(S)	213	565	1,929	(S)	87.9
250 or more	33	8,826	(S)	(S)	(S)	(S)	476	8,252	264.5
Weekly operating hours:									
39 or less	870	9,286	1,446	1,333	1,542	1,459	1,279	(S)	10.7
40 to 48	1,086	15,167	1,623	1,656	2,671	2,824	2,215	4,377	14.0
49 to 60	919	10,805	1,302	1,770	2,121	1,468	1,360	2,783	11.8
61 to 84	556	9,760	777	950	1,245	1,510	1,477	3,800	17.5
85 to 167	375	5,514	582	685	597	634	1,108	(S)	14.7
168 (open continuously)	347	7,696	476	486	943	967	1,119	3,726	22.2

S Figure does not meet publication standards. [1] Active solar, coal, wood and biomass.

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Characteris Commercial Buildings, 1986.*

No. 1261. Commercial Buildings and Workers—Selected Building Characteristics, by Floorspace: 1986

[See headnote, table 1260]

Building characteristics	Number of buildings (1,000)							Workers		
	Total	Square footage of—						Number (1,000)	Average sq. ft. per worker	Median sq. ft. per worker
		5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 and over			
All buildings	**4,154**	**2,220**	**931**	**557**	**242**	**123**	**81**	**73,436**	**792.9**	**1,000.9**
Region:										
Northeast	663	298	183	90	53	21	18	16,183	731.0	1,000.5
Midwest	1,096	559	277	147	56	33	24	17,636	909.2	1,251.9
South	1,570	905	312	200	83	47	22	25,099	774.0	975.8
West	825	456	158	120	51	22	18	14,518	753.4	833.9
Principal activity within building:										
Assembly	575	274	138	106	33	16	(S)	4,303	1,705.7	2,901.9
Education	241	72	50	44	37	21	(S)	6,833	1,071.5	932.5
Food sales/service	303	204	(S)	(S)	(S)	(S)	(S)	5,073	830.6	855.4
Health care	52	27	(S)	(S)	6	(S)	4	5,060	417.3	422.7
Lodging	137	48	29	31	16	9	(S)	2,277	1,223.2	2,001.3
Mercantile/services	1,287	757	309	142	46	23	10	15,870	806.9	900.7
Office	614	343	133	74	36	15	15	25,010	381.7	437.9
Public order and safety	55	26	(S)	13	(S)	(S)	(S)	1,367	497.8	875.3
Warehouse	549	274	123	72	44	21	(S)	5,343	1,683.6	3,001.6
Other	103	58	(S)	18	(S)	5	(S)	1,566	1,102.2	1,601.3
Vacant	238	136	47	30	15	8	(S)	745	3,933.8	(X)
Non-government owned	3,661	2,024	828	471	188	94	56	57,505	800.6	1,000.9
Owner occupied	2,396	1,338	546	301	120	59	32	35,691	811.5	1,000.9
Nonowner occupied	1,265	686	282	170	69	35	23	21,814	783.0	1,033.3
Government owned	493	196	104	86	54	29	25	15,931	765.0	1,000.1

S Figure does not meet publication standards. X Not applicable.

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Characteristics of Commercial Buildings, 1986.*

No. 1262. Commercial Buildings—Number and Square Footage of Floorspace, by Type of Building and Characteristic: 1986

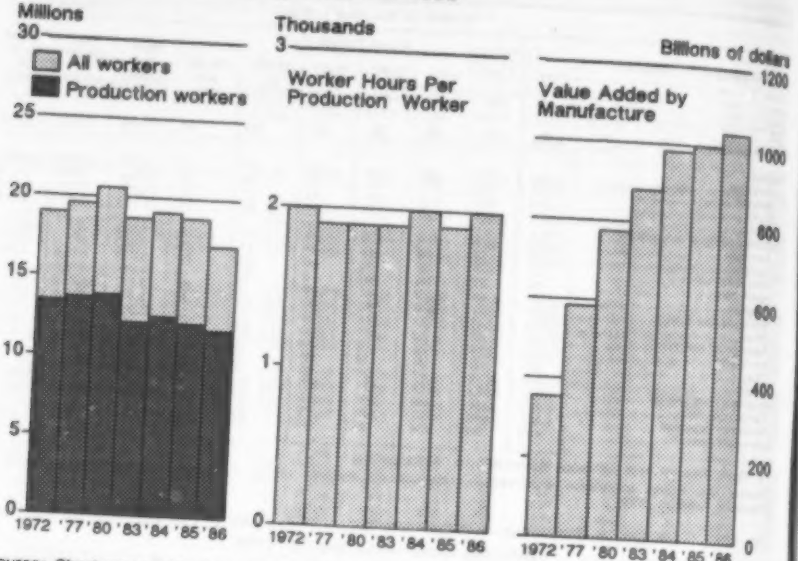
Building characteristics	All buildings	Assembly	Education	Food sales/ service	Health care	Lodging	Mercantile/ services	Office	Public order and safety	Warehouse	Other [1]
NUMBER (1,000)											
All buildings	**4,154**	**575**	**241**	**303**	**52**	**137**	**1,287**	**614**	**55**	**549**	**341**
Region:											
Northeast	663	71	29	(S)	10	22	227	91	13	90	44
Midwest	1,096	156	42	86	9	30	349	153	(S)	154	103
South	1,570	241	80	105	17	53	481	238	18	219	118
West	825	108	90	(S)	17	31	231	131	(S)	77	76
Year constructed:											
1900 or before	188	41	(S)	(S)	(S)	(S)	55	27	(S)	19	(S)
1901 to 1920	255	36	10	(S)	(S)	(S)	86	36	(S)	23	(S)
1921 to 1945	629	94	34	(S)	8	12	193	92	(S)	79	61
1946 to 1960	878	131	68	53	8	32	282	107	(S)	122	65
1961 to 1970	730	103	58	54	14	42	203	104	(S)	92	46
1971 to 1973	243	36	16	(S)	6	(S)	78	40	(S)	29	(S)
1974 to 1979	572	72	21	57	3	14	181	93	(S)	87	(S)
1980 to 1983	350	35	20	(S)	(S)	10	111	64	(S)	53	(S)
1984 to 1986	309	28	12	(S)	(S)	9	101	50	(S)	46	33
Government owned	493	77	161	(S)	8	10	45	55	33	40	52
Non-government owned	3,661	498	80	291	44	127	1,242	559	(S)	509	290
FLOORSPACE (mil. sq. ft.)											
All buildings	**58,229**	**7,339**	**7,321**	**1,993**	**2,107**	**2,785**	**12,805**	**9,546**	**680**	**8,996**	**4,657**
Region:											
Northeast	11,830	1,229	1,603	(S)	328	602	2,785	1,782	289	1,905	909
Midwest	16,034	2,004	2,212	664	559	636	3,525	2,535	(S)	2,246	1,475
South	19,427	2,724	2,174	583	806	949	4,487	2,838	147	3,458	1,261
West	10,937	1,382	1,332	(S)	415	597	2,008	2,390	(S)	1,387	1,012
Year constructed:											
1900 or before	2,368	728	(S)	(S)	(S)	(S)	521	343	(S)	318	(S)
1901 to 1920	3,665	600	347	(S)	(S)	(S)	821	688	(S)	301	(S)
1921 to 1945	8,594	1,201	1,220	(S)	316	386	1,507	1,279	(S)	1,304	689
1946 to 1960	9,712	1,332	1,648	298	352	365	2,064	1,003	(S)	1,979	540
1961 to 1970	11,469	1,158	2,045	503	224	60[illegible]	2,337	1,729	(S)	1,652	621
1971 to 1973	4,307	607	776	(S)	360	(S)	728	672	(S)	614	(S)
1974 to 1979	8,230	903	692	294	319	316	2,306	1,322	(S)	1,484	(S)
1980 to 1983	5,205	376	395	(S)	(S)	190	1,326	1,414	(S)	621	(S)
1984 to 1986	4,678	353	141	(S)	(S)	309	1,196	1,096	(S)	722	391
Government owned	12,187	1,417	5,927	(S)	560	339	682	1,185	533	530	901
Non-government owned	46,041	5,921	1,394	1,980	1,547	2,446	12,123	8,360	(S)	8,466	3,757

S Figure does not meet publication standards. [1] Includes vacant commercial buildings.

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Characteristics of Commercial Buildings, 1986.*

Figure 27.1

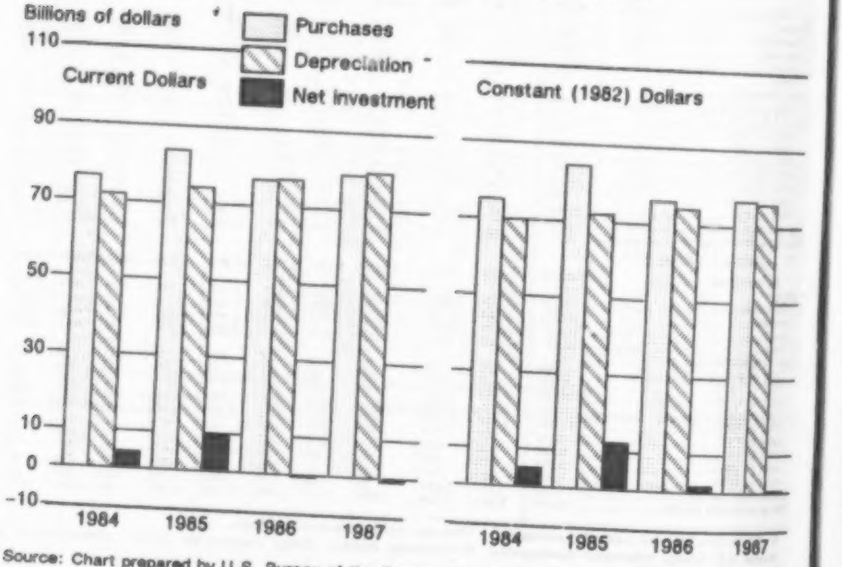
Manufactures-Summary: 1972 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1268.

Figure 27.2

Capital in Manufacturing Establishments: 1984 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1270.

Section 27

Manufactures

This section presents summary data for manufacturing as a whole and more detailed information
r major industry groups and selected specific products. The types of measures shown at the dif-
rent levels include data for establishments; employment and wages; raw materials, fuels, and
ectricity consumed; plant and equipment expenditures; value and quantity of production and ship-
ents; value added by manufacture; inventories; and various indicators of financial status.

The principal sources of these data are Bureau of the Census reports of the censuses of manu-
ctures conducted every five years; the *Annual Survey of Manufactures;* and the *Current Industrial*
eports series, which presents monthly, quarterly, or annual data on production, shipments, and
ocks for particular commodities. Indexes of industrial production are presented monthly in the
deral Reserve Board's *Federal Reserve Bulletin.* Reports on current activities of industries, or
rrent movements of individual commodities, are compiled by such government agencies as the
reau of Labor Statistics; the Economic Research Service of the Department of Agriculture; the
ernational Trade Administration; and by private research or trade associations such as The Con-
ence Board, Inc., New York, and the American Iron and Steel Institute, Washington, DC.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic
alysis (BEA) and the Bureau of the Census. Industry aggregates in the form of balance sheets,
fit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and
ounts of security issues are published for leading manufacturing corporations registered with the
C. The BEA issues data on capital in manufacturing industries and capacity utilization rates in
nufacturing. See also section 17, Business Enterprise, in this edition.

ensuses and annual surveys.—The first census of manufactures covered the year 1809. Be-
en 1809 and 1963, a census was conducted at periodic intervals. Since 1967 it has been taken
ry 5 years (for years ending in "2" and "7"). Census data, either direct reports or estimates
n administrative records, are obtained for every manufacturing plant with one employee or more.

he Annual Survey of Manufactures, conducted for the first time in 1949, collects data for the
rs between censuses for the more general measures of manufacturing activity covered in detail
the censuses. The annual survey data are estimates derived from a scientifically selected
ple of establishments. The 1986 annual survey is based on a sample of about 56,000 establish-
ts of an approximate total of 350,000. It comprises all large plants, which account for approxi-
ely two-thirds of total U.S. manufacturing employment, and a representative selection of small
ts. Government-owned and -operated establishments are excluded.

he basic statistical measures of manufacturing activity, such as employment, payrolls, value
ed, etc., are defined in essentially the same way for both the annual surveys and the census of
ufactures. However, the bases for computing average employment vary for different years. For
nple, beginning with 1949, average employment was calculated from the figures reported for
pay periods ending nearest the 15th of March, May, August, and November, whereas for 1947
averages were based on 12 monthly employment figures. In 1967, the average employment
ulation was revised to the pay periods which include the 12th of March, May, August, and No-
ber to provide data more comparable with other statistical series.

tablishments and classification.—The censuses of manufactures for 1947 through 1982
r operating manufacturing establishments as defined in the *Standard Industrial Classification*
ual (SIC), issued by the U.S. Office of Management and Budget (see text, section 13). The
ual is also used for classifying establishments in the annual surveys. The comparability of man-
ures data over time is affected by changes in the official definitions of industries as presented
e *Manual.* It is important to note therefore, that the 1972 edition of the *Manual* was used for
972 census; and the 1972 edition of the *Manual* and the *1977 Supplement* was used for the
and 1982 censuses while the 1967 *Manual* was used for the 1967 census. For the censuses
1947 to 1963, reports were required from all establishments employing one or more persons
y time during the census year. Beginning with the 1967 census, an effort was made to relieve
ery small establishments from the necessity of filing a census report. Approximately 130,000
single-unit manufacturingfirms identified as having less than 20 employees (cutoff varied by
try) benefited from this procedure. Data for these single unit companies were estimated on the
of government administrative records and industry averages. Each of the establishments tab-
l was classified in one of the approximately 450 manufacturing industries as defined by the

SIC Manual in 1972, 1977, and 1982. The *Manual* defines an industry as a number of establishments producing a single product or a closely related group of products. In the main, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products of the industry in which they are classified, few within an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect both the primary and secondary activities of the establishments in that industry. For this reason care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

The censuses for 1947 through 1982 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payrol and inventory records is also required to submit separate reports.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 1263. GROSS NATIONAL PRODUCT IN MANUFACTURING IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1987

[**In billions of dollars, except percent.** For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS										
Manufacturing	**252.3**	**357.3**	**581.0**	**643.1**	**634.6**	**683.2**	**771.9**	**789.5**	**820.1**	**853.6**
Percent of gross national product	24.8	22.3	21.2	21.0	20.0	20.0	20.5	19.7	19.3	18.9
Durable goods [1]	**145.9**	**206.3**	**351.8**	**385.8**	**362.5**	**385.6**	**451.1**	**458.8**	**466.1**	**480.8**
Lumber and wood products	7.1	10.4	18.7	17.1	16.0	20.5	22.8	22.2	24.7	27.7
Stone, clay, and glass products	8.0	11.5	19.0	18.2	20.2	20.2	22.9	24.8	25.9	27.5
Primary metal industries	18.4	28.5	44.3	49.8	35.3	30.3	36.3	34.8	33.7	36.4
Fabricated metal products	18.2	27.4	45.0	49.6	46.3	47.6	55.1	57.8	59.1	60.3
Machinery, except electrical	28.2	41.7	76.9	86.2	80.0	75.3	85.4	82.7	80.7	81.2
Electric and electronic equipment	21.5	28.3	55.0	60.7	61.8	67.7	79.9	82.2	83.6	85.0
Motor vehicles and equipment	16.2	19.9	20.7	31.5	29.5	39.0	49.6	53.7	51.4	48.9
Other transportation equipment	13.4	16.8	28.2	28.6	32.2	40.1	46.0	48.0	53.0	56.0
Instruments and related products	7.0	10.2	19.0	22.3	22.6	23.8	26.9	25.8	26.7	27.0
Nondurable goods [1]	**106.3**	**151.0**	**229.2**	**257.3**	**272.1**	**297.6**	**320.8**	**330.8**	**354.1**	**373.8**
Food and kindred products	26.7	39.1	52.2	57.9	61.4	64.7	66.6	69.8	71.6	74.0
Apparel and other textile products	9.0	11.5	17.1	18.7	18.9	20.3	20.7	20.6	21.0	22.5
Paper and allied products	9.7	13.9	23.1	25.1	26.7	27.8	31.9	33.1	35.2	38.5
Printing and publishing	12.9	18.6	31.6	35.2	38.4	42.4	47.6	52.5	56.1	58.2
Chemicals and allied products	19.1	30.0	45.5	53.3	55.3	59.6	62.0	63.8	70.1	77.1
Petroleum and coal products	6.9	9.9	16.8	19.8	24.4	28.3	33.7	32.2	37.0	33.8
Rubber and miscellaneous plastic products	7.2	10.4	16.8	19.3	19.3	21.9	24.4	25.9	28.1	30.0
CONSTANT (1982) DOLLARS										
Manufacturing	**506.8**	**547.5**	**665.4**	**676.1**	**634.6**	**675.5**	**757.9**	**786.8**	**804.6**	**838.5**
Percent of gross national product	21.0	20.3	20.9	20.8	20.0	20.6	21.6	21.7	21.6	21.8
Durable goods [1]	**304.8**	**325.2**	**401.5**	**404.9**	**362.5**	**390.4**	**466.8**	**493.7**	**506.0**	**525.2**
Lumber and wood products	14.7	16.4	20.4	18.9	16.0	18.1	20.4	20.1	21.5	23.5
Stone, clay, and glass products	17.7	18.7	21.1	19.8	18.2	19.7	21.6	22.6	22.2	23.1
Primary metal industries	46.8	44.0	46.4	48.2	35.3	30.0	34.7	34.2	34.3	34.3
Fabricated metal products	44.1	41.8	52.5	52.2	46.3	48.9	55.8	56.8	56.7	58.5
Machinery, except electrical	57.0	64.1	84.6	88.6	80.0	86.9	114.8	134.5	147.0	160.7
Electric and electronic equipment	34.4	37.6	62.7	64.3	61.8	66.2	77.3	79.7	80.3	82.5
Motor vehicles and equipment	26.5	33.7	33.7	33.9	29.5	38.5	47.9	50.9	44.9	40.3
Other transportation equipment	34.3	33.8	38.1	33.3	32.2	38.6	42.6	43.8	47.4	50.2
Instruments and related products	12.3	16.1	21.8	23.7	22.6	23.3	25.4	24.7	25.2	25.3
Nondurable goods [1]	**202.0**	**222.2**	**263.9**	**271.2**	**272.1**	**285.1**	**291.1**	**293.0**	**298.7**	**314.3**
Food and kindred products	43.8	48.2	56.7	58.2	61.4	62.0	60.8	63.1	61.6	63.7
Apparel and other textile products	14.0	16.7	20.1	20.3	18.9	19.8	20.4	19.9	19.8	21.4
Paper and allied products	18.8	20.2	24.6	24.6	26.7	28.7	30.2	30.2	31.3	33.0
Printing and publishing	29.9	32.4	36.9	38.3	38.4	39.9	41.3	43.0	42.3	42.6
Chemicals and allied products	34.4	39.3	50.1	53.5	55.3	59.6	60.0	59.1	64.1	68.8
Petroleum and coal products	23.8	25.1	26.7	25.5	24.4	24.0	25.0	24.9	26.3	26.6
Rubber and miscellaneous plastic products	12.7	15.2	18.9	20.9	19.3	21.7	24.3	26.2	26.8	28.8

[1] Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 1264. Manufactures—Summary: 1963 to 1986

[For establishment coverage, see text, section 27. Data based on Census of Manufactures, except as noted. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series P 1-12]

ITEM	Unit	1963	1967	1972	1977	1980 [1]	1982	1983 [1]	1984 [1]	1985 [1]	1986 [1]
ALL ESTABLISHMENTS											
Number of establishments [2]	1,000	**312**	**311**	**321**	**360**	(NA)	**358**	(NA)	(NA)	(NA)	(NA)
With 20 or more employees	1,000	102	110	114	119	(NA)	123	(NA)	(NA)	(NA)	(NA)
mployee size-class:											
Establishments [3]	1,000	305	306	313	351	(NA)	348	(NA)	(NA)	(NA)	(NA)
Under 20	1,000	207	198	203	237	(NA)	230	(NA)	(NA)	(NA)	(NA)
20-99	1,000	70	74	76	78	(NA)	84	(NA)	(NA)	(NA)	(NA)
100-249	1,000	18	20	21	22	(NA)	21	(NA)	(NA)	(NA)	(NA)
250-999	1,000	10	11	11	12	(NA)	11	(NA)	(NA)	(NA)	(NA)
1,000 and over	1,000	3	3	3	2	(NA)	2	(NA)	(NA)	(NA)	(NA)
orm of organization:											
Corporate	1,000	176.2	153.9	233.2	284.2	(NA)	283.2	(NA)	(NA)	(NA)	(NA)
Noncorporate, total [4]	1,000	130.4	33.2	87.5	75.7	(NA)	74.0	(NA)	(NA)	(NA)	(NA)
Individual proprietorship	1,000	99.2	24.9	42.5	52.3	(NA)	45.6	(NA)	(NA)	(NA)	(NA)
Partnership	1,000	27.7	6.7	17.7	18.3	(NA)	15.0	(NA)	(NA)	(NA)	(NA)
egion:											
Northeast	Percent	29.8	29.1	26.3	23.7	24.2	23.7	(NA)	(NA)	(NA)	(NA)
Midwest	Percent	35.4	35.0	34.9	34.4	31.1	29.8	(NA)	(NA)	(NA)	(NA)
South	Percent	21.5	22.7	25.5	27.4	28.5	29.5	(NA)	(NA)	(NA)	(NA)
West	Percent	13.3	13.0	13.4	14.5	16.2	17.0	(NA)	(NA)	(NA)	(NA)
l employees, [5] **annual average** [6]	**Million**	**17.0**	**19.3**	**19.0**	**19.6**	**20.6**	**19.1**	**18.7**	**19.1**	**18.8**	**18.4**
yroll, all employees	Bil. dol	100	132	174	264	350	380	395	429	443	451
yroll per employee	$1,000	5.9	6.8	9.2	13.5	17.0	19.9	21.1	22.5	23.6	24.5
oduction workers, annual average	Million	12.2	14.0	13.5	13.7	13.9	12.4	12.2	12.6	12.2	11.8
Percent of all employees	Percent	71.8	72.2	71.1	69.9	67.3	64.9	65.2	70.4	64.9	64.1
urs, production workers	Billion	24.5	27.8	26.7	26.7	26.7	23.5	23.6	24.6	23.7	23.2
Hours per worker	1,000	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0	1.9	2.0
ages, production workers	Bil. dol	62	81	106	157	198	205	212	232	236	237
Percent of payroll for all employees	Percent	62.0	61.6	60.6	59.5	56.6	53.9	53.6	54.1	53.3	53.3
Wages per worker	$1,000	5.1	5.8	7.8	11.5	14.3	16.5	17.4	18.4	18.8	19.4
Wages per worker hour	Dollar	2.53	2.92	3.96	5.88	7.41	8.70	8.98	9.41	9.96	10.22
lue added by manufacture [7]	**Bil. dol**	**192**	**262**	**354**	**585**	**774**	**824**	**882**	**984**	**1,000**	**1,035**
Per production worker	$1,000	15.7	18.8	26.2	42.7	55.7	66.5	72.4	78.2	82.0	84.8
Per production worker hour	Dollar	7.83	9.41	13.26	21.93	28.98	35.01	37.38	39.92	42.20	43.68
Per dollar of workers' wages	Dollar	2.90	3.22	3.36	3.72	3.91	4.02	4.16	4.24	4.24	4.28
ost of materials	**Bil. dol**	**230**	**299**	**407**	**782**	**1,094**	**1,130**	**1,170**	**1,268**	**1,276**	**1,217**
lue of shipments [8]	**Bil. dol**	**421**	**557**	**757**	**1,359**	**1,853**	**1,960**	**2,055**	**2,254**	**2,280**	**2,260**
Per production worker	$1,000	34.4	39.9	55.9	99.2	133.3	158.1	168.6	179.1	186.9	191.5
d-of-year inventories	Bil. dol	60	84	108	188	262	307	308	330	322	311
pital expenditures, new [9]	Bil. dol	11.4	21.5	24.1	47.5	70.1	75.0	61.9	75.3	83.1	76.4
tios:											
Value added to shipments	Ratio	45.6	47.0	46.7	42.9	41.8	42.0	42.9	43.7	43.8	45.8
Inventories to shipments	Ratio	14.2	15.0	14.2	13.8	14.1	15.7	15.0	14.6	14.1	13.8
Payroll to value added	Ratio	52.0	50.3	49.1	45.2	45.3	46.1	44.8	43.6	44.3	43.6
oss book value of depreciable assets	Bil. dol	158	218	301	439	574	692	731	772	821	(NA)
Machinery and equipment	Bil. dol	(NA)	157	218	328	434	527	559	592	632	(NA)
sets per employee	$1,000	9.3	11.3	16.4	22.4	27.8	36.2	39.1	40.4	43.7	(NA)
MULTIUNIT COMPANIES											
tablishments	1,000	45.9	51.7	70.2	81.2	(NA)	81.7	(NA)	(NA)	(NA)	(NA)
nployees	Million	11.0	13.3	14.3	15.0	(NA)	14.3	(NA)	(NA)	(NA)	(NA)
Production workers	Million	8.1	9.8	9.8	10.1	(NA)	8.8	(NA)	(NA)	(NA)	(NA)
yroll, all employees	Bil. dol	68.2	93.8	138.8	214.2	(NA)	307.5	(NA)	(NA)	(NA)	(NA)
Wages, production workers	Bil. dol	44.7	60.9	81.9	124.9	(NA)	150.1	(NA)	(NA)	(NA)	(NA)
lue added by manufacture	Bil. dol	146.6	206.4	286.1	485.0	(NA)	678.4	(NA)	(NA)	(NA)	(NA)
pital expenditures, new	Bil. dol	8.9	18.6	20.0	41.0	(NA)	65.2	(NA)	(NA)	(NA)	(NA)
SINGLE UNIT COMPANIES [10]											
tablishments	1,000	266.1	254.0	250.5	278.7	(NA)	276.3	(NA)	(NA)	(NA)	(NA)
nployees	Million	5.2	5.2	4.8	4.6	(NA)	4.8	(NA)	(NA)	(NA)	(NA)
yroll, all employees	Bil. dol	25.1	28.5	35.4	49.8	(NA)	72.1	(NA)	(NA)	(NA)	(NA)
lue added by manufacture	Bil. dol	45.5	55.5	67.9	100.1	(NA)	145.7	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Estimated data based on *Annual Survey of Manufactures;* see text, section 27. [2] Includes ministrative and auxiliary units, except as noted. [3] Excludes administrative offices and auxiliary units. [4] Includes forms of ganization not shown separately. [5] Includes data for employees of manufacturing establishments engaged in distribution and nstruction work. [6] Data are based on pay periods ending nearest 15th of March, May, August, and November. [7] Adjusted lue added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-ocess inventories between beginning and end of year. [8] Includes extensive and unmeasurable duplication from shipments tween establishments in the same industry classification. [9] Includes plants under construction and not yet in operation. [10] Beginning 1967, includes data obtained from Federal administrative records.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1967, 1972, 1977,* and *1982;* and *Annual Survey of anufactures.*

NO. 1265. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1986

[Data based on various editions of the *Standard Industrial Classification Manual,* published by the Office of Management and Budget; see text, section 27. See also *Historical Statistics, Colonial Times to 1970,* series P-58-67]

SIC [1] code	INDUSTRY GROUP	1977				1982					1986					
		Establishments (number)	All employees		Value added by manufacture [3] (mil. dol.)	Establishments (number)	All employees		Value added by manufacture [3] (mil. dol.)	Value of shipments (mil. dol.)	All employees		Production workers		Value added by manufacture [3] (mil. dol.)	Value of shipments (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)			Number [2] (1,000)	Payroll (mil. dol.)			Number [2] (1,000)	Payroll (mil. dol.)	Number [3] (1,000)	Wages (mil. dol.)		
(X)	**All manufacturing establishments, incl. central administrative offices**	**359,928**	**19,590**	**264,013**	**585,166**	**358,061**	**19,094**	**379,627**	**824,118**	**1,960,206**	**18,370**	**450,760**	**11,765**	**236,599**	**1,035,437**	**2,290,315**
20	**Food and kindred products**	**26,656**	**1,520**	**18,544**	**56,062**	22,130	**1,488**	**26,088**	**88,419**	**280,529**	**1,409**	**28,567**	**990**	**17,789**	**112,191**	**308,523**
201	Meat products	4,534	309	3,702	7,478	3,623	318	4,993	11,002	67,602	317	5,133	264	3,869	13,532	69,268
202	Dairy products	3,731	154	1,939	5,648	2,724	140	2,553	8,360	38,771	137	2,974	83	1,649	10,918	42,163
203	Preserved fruits and vegetables	2,379	235	2,336	7,685	2,093	220	3,315	12,353	29,874	221	3,865	182	2,806	16,836	35,885
204	Grain mill products	3,043	113	1,576	6,626	2,745	108	2,197	10,333	31,386	97	2,472	66	1,609	13,745	33,723
205	Bakery products	3,386	222	2,866	7,073	2,663	217	4,051	10,650	17,808	198	4,391	115	2,354	13,554	21,326
206	Sugar and confectionery products	1,198	105	1,206	4,151	1,033	96	1,661	6,234	15,576	89	1,901	70	1,357	7,726	17,580
207	Fats and oils	869	41	561	1,905	724	39	774	2,785	16,752	33	735	21	440	2,890	15,602
208	Beverages	3,104	195	2,849	9,901	2,584	194	4,244	16,684	38,801	172	4,549	82	2,118	20,952	45,567
209	Misc. foods and kindred products	4,412	146	1,509	5,596	3,941	158	2,300	10,017	23,959	145	2,550	107	1,587	12,036	27,389
21	**Tobacco products**	**228**	**61**	751	**4,334**	**163**	**58**	**1,324**	**8,965**	**16,061**	**46**	**1,360**	**34**	**912**	**12,725**	**19,073**
211	Cigarettes	14	39	568	3,803	14	42	1,094	8,098	12,127	33	1,101	24	758	11,501	15,680
212	Cigars	101	8	55	126	60	5	59	133	254	4	55	3	38	147	252
213	Chewing and smoking tobacco	35	3	32	189	29	3	52	421	665	3	78	2	47	730	1,082
214	Tobacco stemming and redrying	78	11	96	217	60	8	120	313	3,015	6	125	5	69	346	2,059
22	**Textile mill products**	**7,202**	**876**	**7,881**	**16,105**	**6,630**	717	**9,046**	**18,550**	47,515	**644**	**10,306**	**555**	**7,896**	**22,232**	**55,349**
221	Weaving mills, cotton	314	117	1,047	1,945	269	77	965	1,638	3,972	56	933	53	796	2,116	4,155
222	Weaving mills, manmade fiber	449	151	1,429	2,791	523	141	1,815	3,489	8,191	110	1,882	96	1,497	3,777	8,666
223	Weaving, finishing mills, wool	165	15	137	313	131	13	176	349	763	12	195	11	149	372	815
224	Narrow fabric mills	335	21	172	351	281	18	216	465	852	17	260	15	182	595	1,040
225	Knitting mills	2,617	236	1,911	3,863	2,334	205	2,327	4,985	10,986	190	2,691	164	2,028	5,494	12,203
226	Textile finishing, except wool	678	72	734	1,417	753	58	834	1,590	4,972	53	936	43	678	1,867	5,914
227	Floor covering mills	592	56	557	1,530	505	42	603	1,712	5,806	50	907	39	618	2,486	8,672
228	Yarn and thread mills	796	141	1,184	2,255	714	109	1,278	2,318	7,036	102	1,521	92	1,271	3,014	8,404
229	Misc. textile goods	1,254	68	706	1,641	1,120	56	833	2,005	4,935	53	982	42	677	2,493	5,451
23	**Apparel, other textile products**	**26,506**	**1,334**	**9,659**	**19,671**	**24,391**	**1,189**	**12,129**	**26,061**	**63,[illegible]88**	**1,017**	**12,471**	**863**	**8,949**	**28,451**	**57,919**
231	Men's and boys' suits and coats	737	99	822	1,574	529	75	878	1,683	3,062	60	808	53	627	1,872	3,242
232	Men's and boys' furnishings	3,013	365	2,340	4,935	2,544	299	2,837	6,621	12,727	263	2,946	230	2,260	7,392	13,697
233	Women's and misses' outerwear	11,834	448	3,153	6,430	10,836	419	4,110	8,576	18,225	330	3,799	277	2,545	8,706	18,115
234	Women's, children's undergarments	878	92	613	1,250	756	82	783	1,722	3,323	74	856	63	615	1,812	3,833

See footnotes at end of table.

NO. 1265. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1986—Continued

[See headnote, p. 720]

SIC ¹ code	INDUSTRY GROUP	1977				1982					1986					
		Establishments (number)	All employees		Value added by manufacture ³ (mil. dol.)	Establishments (number)	All employees		Value added by manufacture ³ (mil. dol.)	Value of shipments (mil. dol.)	All employees		Production workers		Value added by manufacture ³ (mil. dol.)	Value of shipments (mil. dol.)
			Number ² (1,000)	Payroll (mil. dol.)			Number ² (1,000)	Payroll (mil. dol.)			Number ² (1,000)	Payroll (mil. dol.)	Number ³ (1,000)	Wages (mil. dol.)		
	Apparel, other textile products—Con.															
235	Hats, caps, and millinery	409	15	105	186	419	16	157	285	522	14	165	12	113	319	604
236	Children's outerwear	1,002	71	459	879	968	71	671	1,446	2,711	55	615	46	435	1,401	2,725
237	Fur goods	620	4	52	113	504	3	60	132	419	2	44	2	30	105	360
238	Misc. apparel and accessories	1,284	56	408	845	1,223	50	513	1,098	2,118	40	459	34	321	909	2,000
239	Misc. fabricated textile products	6,728	185	1,707	3,459	6,611	174	2,120	4,498	10,281	179	2,779	147	1,984	5,754	13,642
24	**Lumber and wood products**	**37,302**	**692**	**7,425**	**16,223**	**32,984**	**576**	**8,445**	**15,377**	**42,936**	**620**	**10,820**	**512**	**8,135**	**23,239**	**58,158**
241	Logging camps, log contractors	15,469	83	1,009	2,419	11,658	61	1,208	2,502	8,274	72	1,250	61	1,022	2,892	8,236
242	Sawmills and planing mills	9,000	211	2,228	4,975	7,403	158	2,306	3,748	11,132	170	2,960	149	2,415	6,534	16,553
243	Millwork, plywood, and structural members	6,149	197	2,216	4,701	6,545	165	2,596	4,460	11,683	200	3,782	162	2,771	7,718	18,405
244	Wood containers	1,949	39	300	540	2,250	36	391	703	1,635	31	420	25	292	830	1,968
245	Wood buildings and mobile homes	1,165	80	858	1,789	1,163	60	880	1,741	4,955	62	1,097	48	705	2,177	6,040
249	Misc. wood products	3,570	83	813	1,800	3,965	77	1,064	2,223	5,255	83	1,311	67	930	3,088	6,956
25	**Furniture and fixtures**	**10,235**	**464**	**4,449**	**8,922**	**10,003**	**436**	**6,094**	**12,829**	**24,129**	**467**	**8,030**	**376**	**5,556**	**17,659**	**33,081**
251	Household furniture	6,161	310	2,669	5,213	5,475	263	3,162	6,455	12,776	267	4,025	227	2,974	8,578	16,991
252	Office furniture	523	45	543	1,236	700	59	1,051	2,477	4,150	69	1,499	51	969	3,788	6,259
253	Public building, related furniture	420	20	214	415	413	19	295	579	1,103	23	400	17	257	828	1,655
254	Partitions and fixtures	2,134	57	675	1,311	2,148	60	1,025	2,080	3,710	66	1,362	50	695	2,724	4,892
259	Misc. furniture and fixtures	997	32	347	747	1,267	38	561	1,239	2,390	42	745	31	462	1,743	3,284
26	**Paper and allied products**	**6,545**	**629**	**8,843**	**22,171**	**6,381**	**606**	**12,948**	**33,376**	**79,896**	**603**	**16,113**	**458**	**11,297**	**43,925**	**97,853**
261	Pulpmills	45	16	293	906	43	17	488	1,114	3,110	15	594	12	449	1,591	3,837
262	Papermills, except building paper	339	127	2,167	5,407	299	129	3,431	8,954	20,995	129	4,405	99	3,283	12,033	25,706
263	Paperboard mills	249	68	1,176	3,081	222	56	1,502	3,740	9,531	51	1,714	39	1,282	4,947	11,160
264	Misc. converted paper products	2,994	207	2,608	7,263	3,006	213	3,961	12,014	26,701	215	4,993	162	3,336	16,176	33,693
265	Paperboard containers and boxes	2,860	204	2,602	5,296	2,781	188	3,517	7,396	19,192	190	4,346	144	2,902	9,042	23,146
266	Building paper and board mills	58	7	97	218	30	4	71	158	366	2	61	2	46	135	311
27	**Printing and publishing**	**49,767**	**1,092**	**14,025**	**31,980**	**53,406**	**1,292**	**22,707**	**54,423**	**85,797**	**1,376**	**29,890**	**738**	**14,099**	**78,150**	**118,571**
271	Newspapers	8,867	350	4,306	9,519	8,846	402	6,555	15,275	21,276	420	8,361	152	2,913	22,169	29,206
272	Periodicals	2,994	70	1,020	3,763	3,328	94	1,986	6,911	11,478	98	2,711	14	289	10,196	15,719
273	Books	2,694	106	1,379	4,291	2,811	112	2,090	6,721	10,132	115	2,706	48	908	9,639	13,834
274	Misc. publishing	2,352	42	503	1,291	2,057	45	706	1,958	2,871	53	1,129	18	275	3,632	4,887
275	Commercial printing	26,815	356	4,702	8,551	29,735	452	8,087	15,738	27,700	495	10,675	365	6,949	21,490	38,042
276	Manifold business forms	795	45	575	1,492	810	50	934	2,491	5,059	54	1,272	38	827	3,676	6,985
277	Greeting card publishing	166	18	227	656	154	21	344	1,349	1,894	20	407	11	174	2,036	2,681
278	Blankbooks and bookbinding	1,492	56	579	1,149	1,487	61	903	1,964	2,803	62	1,167	49	797	2,596	3,688
279	Printing trades services	3,592	48	735	1,268	4,178	56	1,102	2,017	2,584	59	1,443	44	967	2,717	3,528

See footnotes at end of table.

NO. 1265. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1986—Continued

[See headnote, p. 720]

SIC [1] code	INDUSTRY GROUP	1977				1982					1986					
		Establishments (number)	All employees		Value added by manufacture [3] [4] (mil. dol.)	Establishments (number)	All employees		Value added by manufacture [3] (mil. dol.)	Value of shipments (mil. dol.)	All employees		Production workers		Value added by manufacture [3] (mil. dol.)	Value of shipments (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)			Number [2] (1,000)	Payroll (mil. dol.)			Number [2] (1,000)	Payroll (mil. dol.)	Number [3] (1,000)	Wages (mil. dol.)		
28	**Chemicals and allied products**	12,173	880	13,839	56,721	11,901	873	20,836	77,315	170,737	802	23,711	458	11,756	100,013	197,091
281	Industrial inorganic chemicals	1,262	110	1,847	6,487	1,365	108	2,795	8,829	17,260	99	3,143	54	1,564	10,973	19,491
282	Plastics materials, synthetics	551	157	2,471	7,843	606	141	3,451	9,402	28,428	124	3,942	65	2,411	14,152	35,222
283	Drugs	1,243	156	2,460	9,940	1,281	166	3,966	16,981	24,695	166	4,962	78	1,807	24,393	34,418
284	Soap, cleaners, toilet goods	2,526	112	1,526	9,407	2,379	127	2,561	15,282	26,031	122	3,128	71	1,522	18,627	31,386
285	Paints and allied products	1,579	61	883	2,821	1,441	54	1,158	3,953	9,162	56	1,416	29	611	5,407	11,725
286	Industrial organic chemicals	879	153	2,794	12,875	969	144	4,005	12,341	38,157	112	3,896	66	2,133	14,716	37,295
287	Agricultural chemicals	1,325	54	784	3,808	1,127	51	1,156	5,097	14,653	41	1,152	25	623	4,706	12,670
289	Misc. chemical products	2,786	77	1,075	3,539	2,733	82	1,725	5,433	12,330	82	2,072	50	1,064	7,038	14,913
29	**Petroleum and coal products**	2,206	147	2,716	16,378	2,322	152	4,339	22,069	208,919	125	4,215	82	2,598	17,498	124,879
291	Petroleum refining	349	103	2,055	14,424	433	108	3,398	19,247	199,357	84	3,131	55	1,967	13,762	113,286
295	Paving and roofing materials	1,297	32	461	1,272	1,307	30	629	1,743	5,948	28	745	20	476	2,495	7,490
299	Misc. petroleum and coal products	560	12	180	682	582	14	312	1,079	3,614	13	339	7	155	1,239	4,093
30	**Rubber and miscellaneous plastics products**	11,943	721	5,536	19,740	13,449	682	11,807	27,219	58,416	741	15,273	572	10,124	37,236	73,365
301	Tires and inner tubes	200	114	1,832	4,347	164	70	1,734	4,660	9,340	66	2,020	52	1,531	5,250	9,910
302	Rubber, plastics footwear	84	20	159	272	65	18	197	360	708	9	137	8	89	287	573
303	Reclaimed rubber	21	1	12	25	25	1	11	23	45	1	14	1	10	26	51
304	Rubber and plastics hose, belting	148	34	457	974	162	25	503	1,029	1,946	23	510	17	335	1,201	2,282
306	Fabricated rubber products, n.e.c.	1,280	99	1,164	2,352	1,380	89	1,561	3,213	6,366	96	2,057	71	1,296	4,212	8,326
307	Misc. plastics products	10,212	454	4,912	11,770	11,653	479	7,591	17,935	37,013	547	10,535	424	6,664	26,261	52,243
31	**Leather and leather products**	3,075	243	1,880	3,719	2,735	200	2,219	4,773	8,719	130	1,880	110	1,213	3,611	7,809
311	Leather tanning and finishing	465	23	255	535	384	20	311	580	1,753	13	249	11	182	475	1,509
313	Boot, shoe cut stock, findings	190	9	65	109	161	7	81	155	388	4	56	4	41	97	247
314	Footwear, except rubber	611	146	1,032	2,070	751	121	1,250	2,809	5,269	76	927	66	701	2,061	4,006
315	Leather gloves and mittens	101	6	34	68	96	4	37	73	178	4	34	3	26	63	203
316	Luggage	298	19	164	328	292	16	194	433	789	11	166	8	91	339	666
317	Handbags and other personal leather goods	678	32	242	472	636	25	271	564	1,035	16	189	13	125	409	792
319	Leather goods, n.e.c.	532	9	68	137	415	7	76	160	327	6	70	5	48	167	306

See footnotes at end of table.

[See headnote, p. 720]

SIC[1] code	INDUSTRY GROUP	1977				1982					1986					
		Establishments (number)	All employees		Value added by manufacture[3] (mil. dol.)	Establishments (number)	All employees		Value added by manufacture[3] (mil. dol.)	Value of shipments (mil. dol.)	All employees		Production workers		Value added by manufacture[3] (mil. dol.)	Value of shipments (mil. dol.)
			Number[2] (1,000)	Payroll (mil. dol.)			Number[2] (1,000)	Payroll (mil. dol.)			Number[2] (1,000)	Payroll (mil. dol.)	Number[3] (1,000)	Wages (mil. dol.)		
32	**Stone, clay, and glass products**	17,744	614	7,943	19,130	16,545	532	10,097	22,986	45,181	514	11,745	399	8,352	30,677	57,274
321	Flat glass	62	22	401	931	69	15	414	847	1,666	15	494	12	393	1,410	2,398
322	Glass, pressed or blown	508	117	1,548	3,592	459	97	2,032	4,482	7,941	78	1,927	67	1,562	4,669	7,869
323	Products of purchased glass	1,101	36	429	960	1,337	41	696	1,484	2,977	44	887	34	613	2,270	4,362
324	Cement, hydraulic	201	28	485	1,672	237	25	636	1,816	3,542	20	623	15	446	2,153	4,220
325	Structural clay products	711	45	486	1,058	628	30	491	989	1,868	38	730	30	519	1,762	3,021
326	Pottery and related products	934	43	460	894	910	37	598	1,174	1,762	32	621	25	452	1,264	1,869
327	Concrete, gypsum, plaster products	10,844	184	2,367	5,391	9,933	167	2,995	6,603	14,947	174	3,820	132	2,636	9,922	20,825
328	Cut stone and stone products	993	13	132	238	711	11	156	295	555	11	199	9	148	376	683
329	Misc. nonmetallic mineral products	2,390	126	1,635	4,395	2,261	109	2,079	5,296	9,924	103	2,446	76	1,583	6,832	12,027
33	**Primary metal industries**	7,375	1,114	18,745	37,568	7,061	854	20,603	33,291	104,667	690	18,882	529	13,472	38,092	105,647
331	Blast furnace and basic steel products	1,216	530	10,086	18,318	1,068	366	10,262	14,722	46,720	249	7,726	190	5,702	15,862	44,787
332	Iron and steel foundries	1,465	222	3,329	6,237	1,438	157	3,113	5,362	9,642	125	3,213	99	2,372	5,050	10,100
333	Primary nonferrous metals	160	57	1,032	3,619	161	44	1,307	2,311	11,321	32	1,011	24	702	1,745	8,876
334	Secondary nonferrous metals	460	19	270	769	458	19	402	620	4,852	15	351	11	210	833	4,143
335	Nonferrous rolling and drawing	1,002	177	2,640	5,902	1,022	167	3,636	6,822	25,463	155	4,021	116	2,732	9,095	28,771
336	Nonferrous foundries	1,892	82	1,044	1,960	1,907	75	1,385	2,458	4,603	80	1,781	65	1,296	3,192	6,050
339	Misc. primary metal products	1,180	26	345	763	1,007	26	498	998	2,066	33	778	24	458	1,715	2,920
34	**Fabricated metal products**	33,712	1,556	21,036	45,512	35,580	1,480	28,203	58,928	119,444	1,420	33,116	1,050	21,817	68,621	137,976
341	Metal cans, shipping containers	587	72	1,247	3,644	566	59	1,533	4,443	12,172	49	1,540	41	1,212	4,113	11,957
342	Cutlery, handtools, hardware	2,137	169	2,179	5,177	2,238	141	2,585	6,041	10,082	144	3,268	106	2,196	7,551	12,782
343	Plumbing and heating, exc. electric	1,015	53	637	1,574	1,177	48	821	2,023	4,003	46	986	33	626	2,651	5,007
344	Fabricated structural metal products	11,817	426	5,492	11,785	12,681	422	7,897	15,466	34,904	378	8,179	268	5,023	16,052	36,434
345	Screw machine products, bolts, etc	2,627	105	1,414	2,864	2,690	94	1,727	3,309	5,834	93	2,105	71	1,459	4,418	7,642
346	Metal forgings, stampings	3,715	288	4,511	8,913	4,019	236	5,110	9,710	20,057	255	7,093	202	5,254	12,675	27,055
347	Metal services, n.e.c	5,095	94	1,009	1,963	5,070	97	1,518	2,897	5,125	109	2,003	84	1,330	3,987	6,982
348	Ordnance and accessories, n.e.c	346	70	992	1,737	349	79	1,780	3,442	4,993	82	2,220	52	1,167	4,777	6,780
349	Misc. fabricated metal products	6,373	279	3,556	7,855	6,770	284	5,312	11,598	22,274	265	5,722	191	3,548	12,395	23,338
35	**Machinery, exc. electrical**	48,200	2,083	30,556	67,223	52,912	2,180	46,911	102,270	187,896	1,863	49,845	1,141	25,422	108,365	208,529
351	Engines and turbines	315	130	2,238	4,960	341	112	2,850	6,069	13,040	90	2,925	58	1,720	6,958	14,116
352	Farm and garden machinery	2,159	151	2,197	5,490	2,078	114	2,386	6,146	13,108	79	1,814	55	1,066	4,853	10,392
353	Construction and related machinery	3,229	333	5,097	11,836	3,952	326	7,332	16,453	32,038	209	5,535	126	2,948	11,940	25,935
354	Metalworking machinery	10,630	296	4,514	8,747	10,981	263	6,086	11,285	18,150	253	6,624	180	4,251	12,825	20,476
355	Special industry machinery	4,090	185	2,616	5,271	4,226	183	3,748	7,415	13,128	158	4,141	90	2,028	8,165	14,926
356	General industrial machinery	4,947	314	4,451	9,673	4,981	314	6,493	13,587	24,459	258	6,534	163	3,611	13,926	24,751
357	Office and computing machines	1,317	259	3,949	9,921	2,169	404	9,437	23,386	43,028	383	11,414	137	2,887	27,918	56,830
358	Refrigeration, service machinery	2,114	192	2,516	5,963	1,937	172	3,344	8,121	16,450	180	4,381	124	2,662	9,923	21,118
359	Misc. machinery, except electrical	19,399	223	2,980	5,362	22,247	282	5,235	9,806	14,497	273	6,277	207	4,249	11,857	17,985

See footnotes at end of table.

NO. 1265. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1986—Continued

[See headnote, p. 720]

SIC [1] code	INDUSTRY GROUP	1977				1982					1986					
		Establishments (number)	All employees		Value added by manufacture [3] (mil. dol.)	Establishments (number)	All employees		Value added by manufacture [3] (mil. dol.)	Value of shipments (mil. dol.)	All employees		Production workers		Value added by manufacture [3] (mil. dol.)	Value of shipments (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)			Number [2] (1,000)	Payroll (mil. dol.)			Number [2] (1,000)	Payroll (mil. dol.)	Number [2] (1,000)	Wages (mil. dol.)		
36	**Electric and electronic equipment**	**14,973**	**1,723**	**22,544**	**50,386**	**16,453**	**1,915**	**38,414**	**84,605**	**147,944**	**1,941**	**49,214**	**1,180**	**23,361**	**112,422**	**196,245**
361	Electric distributing equipment	947	115	1,431	3,336	942	105	1,995	4,584	8,106	90	2,019	64	1,221	4,885	8,603
362	Electrical industrial apparatus	1,646	198	2,543	5,614	1,980	191	3,706	7,919	13,825	171	4,022	114	2,225	8,826	15,839
363	Household appliances	666	162	1,898	5,276	630	129	2,223	5,776	12,644	123	2,674	96	1,910	7,555	16,649
364	Electric lighting and wiring equipment	2,009	165	1,925	4,741	1,993	159	2,718	6,619	12,048	161	3,474	119	2,191	9,476	16,530
365	Radio and TV receiving equipment	1,290	98	1,097	3,078	1,032	66	1,154	3,200	7,833	59	1,368	43	849	4,329	11,938
366	Communication equipment	2,385	459	6,995	14,130	2,721	601	13,979	28,299	46,426	666	19,699	305	7,303	42,077	67,435
367	Electronic components, accessories	4,455	374	4,557	9,260	5,455	516	9,770	21,214	34,517	517	12,306	313	5,540	25,851	41,985
369	Misc. electrical equipment, supplies	1,575	152	2,098	4,930	1,700	147	2,869	6,994	12,544	155	3,651	107	2,122	9,423	17,067
37	**Transportation equipment**	**10,176**	**1,768**	**30,673**	**84,291**	**9,443**	**1,596**	**40,812**	**84,932**	**201,346**	**1,770**	**56,708**	**1,169**	**33,626**	**125,706**	**313,825**
371	Motor vehicles and equipment	4,234	876	16,038	37,023	3,867	616	15,393	34,294	112,270	726	23,234	585	17,900	59,213	191,551
372	Aircraft and parts	1,173	431	7,621	14,732	1,471	539	14,718	29,402	52,027	571	19,344	315	9,094	37,756	74,303
373	Ship and boat building and repairing	2,795	220	2,940	4,681	2,566	205	4,326	7,509	13,326	169	4,074	129	2,791	7,230	12,889
374	Railroad equipment	201	56	889	1,883	200	35	790	1,492	3,457	24	687	16	421	1,198	2,613
375	Motorcycles, bicycles, parts	350	16	169	370	273	13	225	403	1,341	8	169	6	123	430	1,032
376	Guided missiles, space vehicles	109	120	2,427	4,422	105	146	4,481	9,857	14,396	228	8,154	85	2,562	17,761	26,696
379	Misc. transportation equipment	1,314	49	591	1,181	961	43	879	1,977	4,528	45	1,045	32	635	2,097	4,741
38	**Instruments and related products**	**7,481**	**559**	**7,520**	**18,762**	**8,045**	**624**	**12,883**	**33,872**	**51,798**	**586**	**14,818**	**335**	**6,704**	**40,005**	**61,910**
381	Engineering, scientific instruments	786	42	584	1,287	771	43	869	2,101	3,046	46	1,117	30	622	2,460	3,921
382	Measuring and control devices	2,079	200	2,666	5,242	2,483	228	4,646	10,007	14,633	207	5,385	113	2,320	10,927	16,943
383	Optical instruments and lenses	545	30	421	897	638	50	1,026	2,368	3,757	50	1,383	26	536	3,078	4,952
384	Medical instruments and supplies	2,355	114	1,319	3,262	2,711	141	2,492	6,978	10,863	155	3,445	97	1,656	9,753	14,965
385	Ophthalmic goods	634	30	314	656	410	26	409	874	1,273	22	415	14	208	934	1,411
386	Photographic equip. and supplies	780	112	1,900	6,732	795	119	3,193	10,880	17,038	95	2,870	48	1,235	12,336	16,560
387	Watches, clocks, and watchcases	302	32	317	685	237	17	246	484	1,188	12	223	9	128	510	1,148
39	**Misc. manufacturing**	**17,259**	**441**	**4,406**	**10,291**	**15,871**	**383**	**5,647**	**14,059**	**26,891**	**328**	**5,892**	**236**	**3,520**	**14,622**	**27,219**
391	Jewelry, silverware, and plated ware	3,118	61	638	1,449	2,882	50	770	1,784	4,379	46	812	32	471	1,950	4,622
393	Musical instruments	450	25	253	488	452	18	258	495	916	12	212	9	140	444	742
394	Toys and sporting goods	2,910	119	1,112	3,000	2,570	99	1,389	4,610	8,256	76	1,282	56	778	4,029	7,696
395	Pens, office and art goods	987	32	331	888	1,026	32	485	1,263	2,372	26	464	19	288	1,225	2,198
396	Costume jewelry and notions	1,514	51	451	1,002	1,356	42	528	1,156	2,110	37	593	27	353	1,436	2,477
399	Misc. manufactures	8,280	152	1,623	3,485	7,585	142	2,217	4,751	8,860	129	2,530	94	1,490	5,536	9,484
(X)	**Administrative and auxiliary** [4]	**9,171**	**1,074**	**21,881**	(X)	**9,676**	**1,276**	**38,220**	(X)	(X)	**1,283**	**45,263**	(X)	(X)	(X)	(X)

X Not applicable. [1] Standard Industrial Classification Code; see text, section 27. [2] "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March. [3] See footnote 6, table 1264. [4] Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing company, rather than the general public. Separate reports were obtained from such units if at a different location or if they

No. 1266. CONCENTRATION RATIOS IN MANUFACTURING—SELECTED INDUSTRIES: 1982

[First 31 industries (excluding those classified as "Miscellaneous" or "Not elsewhere classified") as determined by value of shipments in 1982 of $5.5 billion or more. See source for detail]

SIC[1] code	INDUSTRY	Number of companies	Value added by manufacture[2] (mil. dol.)	Total value of shipments[3] (mil. dol.)	PERCENT OF SHIPMENTS, RANKED BY COMPANY SIZE: 4 largest	8 largest	20 largest	50 largest
2911	Petroleum refining	282	19,247	199,357	28	48	76	93
3711	Motor vehicles and car bodies	284	15,456	70,740	92	97	99	99+
2011	Meatpacking plants	1,658	5,825	44,854	20	43	61	75
3312	Blast furnaces and steel mills	211	11,763	36,824	42	64	82	95
3573	Electronic computing equipment	1,520	19,598	36,767	43	55	71	82
3714	Motor vehicle parts and accessories	2,000	16,765	36,293	61	69	77	84
3662	Radio and TV communications equipment	2,083	21,178	33,032	22	35	57	73
3721	Aircraft	139	15,642	28,024	64	81	98	99+
2711	Newspapers	7,520	15,275	21,276	22	34	49	66
2621	Papermills, exc. building paper	135	8,954	20,995	22	40	71	93
2752	Commercial printing, lithographic	17,332	11,045	19,441	6	10	17	24
2834	Pharmaceutical preparations	584	13,484	18,998	26	42	69	90
2026	Fluid milk	853	4,089	18,736	16	27	48	66
3861	Photographic equipment and supplies	723	10,860	17,038	74	86	91	94
2086	Bottled and canned soft drinks	1,236	6,856	16,808	14	23	39	56
2821	Plastics materials and resins	263	4,746	15,769	22	38	64	89
3661	Telephone, telegraph apparatus	259	7,121	13,394	76	83	92	97
2051	Bread, cake, and related products	1,869	7,861	13,143	34	47	60	73
3585	Refrigeration and heating equipment	730	6,049	12,390	34	46	65	80
2111	Cigarettes	8	8,098	12,127	(D)	(D)	(X)	(X)
3531	Construction machinery	817	5,478	11,658	42	52	69	81
2721	Periodicals	3,143	6,911	11,478	20	31	49	64
3523	Farm machinery and equipment	1,787	5,201	10,743	53	62	69	77
2844	Toilet preparations	596	7,131	10,183	34	49	71	88
2421	Sawmills and planing mills, general	5,810	3,236	10,065	17	23	34	46
3011	Tires and inner tubes	108	4,680	9,340	66	86	98	99+
2841	Soap and other detergents	642	4,777	9,167	60	73	83	90
3465	Automotive stampings	566	4,114	8,777	61	66	74	82
2824	Organic fibers, noncellulosic	44	3,318	8,263	77	91	99	100
3321	Gray iron foundries[4]	801	3,310	6,202	29	37	53	69
2751	Commercial printing, letterpress	10,211	3,161	5,504	7	10	18	24

D Withheld to avoid disclosure. X Not applicable. [1] Standard Industrial Classification; see text, sections 13 and 27. [2] See footnote 7, table 1264. [3] See footnote 8, table 1264. [4] Includes foundries producing gray-iron castings for other plants of the same company. Accordingly, percentages do not reflect market shares in industry as such.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982, Concentration Ratios in Manufacturing,* MC82-SR-7.

No. 1267. PRODUCTION WORKERS, IN MANUFACTURING INDUSTRIES—AVERAGE HOURLY EARNINGS, BY STATE: 1980 TO 1987

[In dollars]

DIVISION AND STATE	1980	1982	1983	1984	1985	1986	1987
U.S.	**7.27**	**8.49**	**8.83**	**9.19**	**9.54**	**9.73**	**9.91**
N.E.:							
ME	6.00	7.22	7.61	8.05	8.40	8.65	8.77
NH	5.87	6.94	7.42	7.86	8.39	8.77	9.30
VT	6.14	7.35	7.66	8.03	8.41	8.83	9.12
MA	6.51	7.58	8.01	8.50	9.00	9.24	9.77
RI	5.59	6.61	6.92	7.33	7.59	7.90	8.19
CT	7.08	8.23	8.76	9.22	9.57	10.07	10.46
M.A.:							
NY	7.18	8.35	8.84	9.22	9.67	9.92	10.09
NJ	7.31	8.66	9.11	9.50	9.86	10.12	10.42
PA	7.59	8.63	8.95	9.28	9.57	9.74	9.98
E.N.C.:							
OH	8.57	10.07	10.56	10.96	11.38	11.58	11.73
IN	8.49	9.79	10.10	10.45	10.71	10.81	11.06
IL	8.02	9.31	9.70	10.08	10.37	10.67	10.85
MI	9.52	11.18	11.62	12.18	12.64	12.80	12.97
WI	8.03	9.37	9.78	10.03	10.26	10.35	10.55
W.N.C.:							
MN	7.61	9.11	9.56	9.75	10.05	10.20	10.37
IA	8.67	10.01	10.09	10.24	10.32	10.35	10.61
MO	7.26	8.46	8.89	9.31	9.57	9.83	9.99
ND	6.56	7.50	7.73	7.86	8.05	8.19	8.43
SD	6.50	7.36	7.31	7.14	7.43	7.75	7.94
NE	7.38	8.47	8.76	8.93	9.02	9.26	9.34
KS	7.37	8.80	9.23	9.38	9.45	9.76	9.97
S.A.:							
DE	7.58	8.64	9.19	9.28	9.86	10.05	10.69
MD	7.61	8.78	9.02	9.45	9.73	9.91	10.08
DC[1]	8.46	9.37	9.75	10.10	10.48	10.40	10.74
S.A.—Con.							
VA	6.22	7.37	7.79	8.10	8.51	8.83	9.15
WV	8.08	9.40	9.74	9.93	10.24	10.38	10.56
NC	5.37	6.35	6.68	7.01	7.29	7.54	7.83
SC	5.59	6.68	7.03	7.28	7.61	7.92	8.10
GA	5.77	6.75	7.13	7.58	8.10	8.35	8.51
FL	5.98	7.02	7.33	7.62	7.86	8.02	8.16
E.S.C.:							
KY	7.34	8.38	8.79	9.28	9.53	9.86	10.04
TN	6.08	7.16	7.49	7.93	8.29	8.58	8.78
AL	6.49	7.33	7.58	7.97	8.48	8.64	8.76
MS	5.44	6.41	6.70	6.95	7.22	7.46	7.59
W.S.C.:							
AR	5.71	6.69	7.05	7.31	7.57	7.76	7.88
LA	7.74	9.38	9.79	10.06	10.43	10.60	10.90
OK	7.36	8.69	9.21	9.64	9.86	9.80	10.14
TX	7.15	8.60	8.88	9.04	9.41	9.65	9.85
Mt.:							
MT	8.78	9.86	10.44	10.76	10.95	10.94	10.61
ID	7.55	8.62	8.98	9.34	9.41	9.66	9.70
WY	7.01	8.62	8.73	9.14	9.64	9.68	9.78
CO	7.63	8.63	8.97	9.24	9.52	9.82	10.11
NM	5.79	7.22	7.60	7.97	8.41	8.75	8.74
AZ	7.29	8.73	8.99	9.09	9.48	9.88	9.94
UT	7.02	8.40	8.69	8.92	9.64	9.98	9.95
NV	7.72	8.80	9.02	9.12	9.15	9.36	9.76
Pac.:							
WA	(NA)	11.23	11.42	11.57	11.63	11.65	11.70
OR	8.65	10.02	10.25	10.44	10.50	10.57	10.55
CA	7.70	9.24	9.52	9.77	10.12	10.37	(NA)
AK	10.22	11.74	12.33	12.25	12.19	11.62	11.79
HI	6.83	7.97	8.23	8.35	8.65	8.86	9.30

NA Not available. [1] Represents Washington, DC metropolitan area.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings,* monthly. Compiled from data supplied by cooperating State agencies.

No. 1268. Manufactures Summary,

[Sum of State totals may not add to U.S. total

	DIVISION AND STATE	1977				1982						
		Establishments, total [1]	All employees [2]		Value added by manufacture [4] (mil. dol.)	Establishments, total [1]	All employees [2]		Production workers [2]		Value added by manufacture [4] (mil. dol.)	Value of shipments [4] (mil. dol.)
			Number [3] (1,000)	Payroll (mil. dol.)			Number [3] (1,000)	Payroll (mil. dol.)	Number [3] (1,000)	Wages (mil. dol.)		
1	**U.S.**	**350,928**	**19,590**	**264,013**	**585,166**	**358,061**	**19,094**	**379,627**	**12,401**	**204,787**	**824,118**	**1,960,206**
2	**N.E.**	**25,737**	**1,391**	**17,603**	**35,588**	**25,659**	**1,445**	**27,603**	**916**	**13,874**	**56,213**	**105,958**
3	ME	2,157	103	1,078	2,343	2,009	110	1,775	86	1,237	4,038	8,649
4	NH	1,825	95	1,029	2,175	1,981	107	1,792	75	1,055	4,004	7,636
5	VT	1,030	42	498	1,050	1,104	47	863	30	434	2,037	3,730
6	MA	11,133	614	7,819	16,349	11,017	643	12,353	397	6,001	25,968	48,204
7	RI	3,107	125	1,327	2,737	2,855	114	1,760	83	1,052	3,793	7,652
8	CT	6,485	412	5,852	10,934	6,693	424	9,060	245	4,095	16,373	30,087
9	**M.A.**	**71,009**	**3,617**	**49,843**	**103,160**	**65,443**	**3,353**	**68,316**	**2,048**	**33,333**	**139,387**	**294,829**
10	NY	36,578	1,510	20,876	44,290	32,651	1,419	29,156	836	13,270	62,907	121,469
11	NJ	15,696	778	10,924	22,853	15,126	754	15,845	440	7,207	31,656	70,420
12	PA	18,735	1,329	18,043	36,017	17,666	1,180	23,315	772	12,856	44,824	102,940
13	**E.N.C.**	**69,237**	**4,974**	**76,908**	**160,224**	**67,378**	**4,337**	**92,400**	**2,664**	**52,063**	**184,757**	**440,762**
14	OH	17,354	1,331	20,356	43,055	16,960	1,102	24,740	695	13,816	49,641	112,278
15	IN	8,061	706	10,439	22,718	7,960	585	12,559	406	7,821	25,747	63,332
16	IL	19,517	1,286	18,741	40,279	18,618	1,069	22,681	670	11,931	47,705	112,929
17	MI	15,627	1,116	20,054	37,586	15,158	884	22,223	564	12,505	39,118	90,715
18	WI	8,678	535	7,318	16,606	8,682	697	10,197	329	5,990	22,546	52,448
19	**W.N.C.**	**24,321**	**1,297**	**17,388**	**40,666**	**23,940**	**1,272**	**25,490**	**803**	**13,652**	**60,413**	**155,543**
20	MN	6,637	332	4,693	9,605	6,775	350	7,423	201	3,428	15,367	35,321
21	IA	3,783	240	3,383	8,684	3,598	213	4,403	140	2,649	12,078	31,397
22	MO	7,355	433	5,709	13,087	7,069	406	8,013	256	4,199	18,334	41,459
23	ND	571	14	162	473	587	15	246	10	141	652	2,465
24	SD	740	23	251	612	748	25	398	18	262	1,100	3,005
25	NE	1,965	88	1,075	2,867	1,928	92	1,684	64	1,015	4,445	15,143
26	KS	3,270	168	2,115	5,338	3,235	171	3,323	113	1,958	8,437	26,753
27	**S.A.**	**47,692**	**2,823**	**33,504**	**72,306**	**48,855**	**2,930**	**48,588**	**2,081**	**28,351**	**112,[illegible]**	**256,645**
28	DE	619	67	1,141	1,596	632	68	1,743	32	557	2,4[illegible]	8,383
29	MD	3,937	243	3,420	7,116	3,883	234	4,859	146	2,551	10,1[illegible]	21,282
30	DC	555	19	298	610	514	17	394	6	125	929	1,537
31	VA	5,519	395	6,442	10,882	5,568	391	6,649	287	4,192	17,256	36,803
32	WV	1,857	117	1,621	3,880	1,662	96	2,007	65	1,233	4,049	9,889
33	NC	9,954	765	7,519	18,231	10,133	799	11,717	605	7,297	28,492	64,176
34	SC	4,229	374	3,805	8,187	4,206	368	5,540	279	3,576	12,219	27,836
35	GA	8,623	485	5,125	12,549	8,534	503	7,906	369	4,864	19,192	48,056
36	FL	12,399	358	4,133	9,255	13,723	454	7,773	292	3,956	18,112	38,683
37	**E.S.C.**	**19,187**	**1,328**	**14,506**	**36,234**	**18,573**	**1,241**	**20,132**	**924**	**13,053**	**49,514**	**116,998**
38	KY	3,548	278	3,452	9,546	3,502	247	4,639	174	2,874	11,820	26,939
39	TN	6,487	490	5,219	12,663	6,417	462	7,378	338	4,603	17,823	40,777
40	AL	5,863	341	3,773	8,406	5,528	330	5,234	254	3,598	12,046	29,794
41	MS	3,289	219	2,062	5,619	3,126	202	2,881	158	1,978	7,825	19,488
42	**W.S.C.**	**29,796**	**1,442**	**18,319**	**52,043**	**31,876**	**1,648**	**32,573**	**1,082**	**17,961**	**81,011**	**271,595**
43	AR	3,595	197	1,932	4,882	3,313	190	2,824	149	1,932	7,755	19,747
44	LA	4,276	195	2,683	9,418	4,107	202	4,304	142	2,731	11,755	57,058
45	OK	3,818	164	2,051	4,662	4,168	197	4,010	121	2,065	8,143	23,116
46	TX	18,107	886	11,653	33,081	20,288	1,059	21,435	670	11,233	53,358	171,674
47	**Mt.**	**13,808**	**461**	**5,992**	**13,621**	**14,854**	**556**	**10,863**	**342**	**5,569**	**23,134**	**56,987**
48	MT	1,168	24	312	802	1,090	20	379	15	265	714	3,668
49	ID	1,495	52	625	1,430	1,404	48	865	34	545	2,077	5,370
50	WY	505	9	111	381	511	10	183	7	115	408	2,558
51	CO	3,948	153	2,125	4,472	4,406	192	3,983	110	1,877	8,057	17,963
52	NM	1,323	29	297	734	1,223	33	521	22	297	1,390	3,815
53	AZ	2,892	111	1,463	3,333	3,407	150	3,037	87	1,423	6,162	12,907
54	UT	1,748	70	867	1,974	1,962	83	1,539	54	837	3,455	8,980
55	NV	729	15	192	495	851	20	356	13	210	863	1,756
56	**Pac.**	**59,106**	**2,255**	**31,929**	**71,245**	**61,503**	**2,518**	**53,724**	**1,743**	**28,934**	**116,846**	**258,280**
57	WA	6,723	265	4,054	8,955	6,788	291	6,681	178	3,624	12,596	34,665
58	OR	5,716	202	2,760	6,138	5,659	185	3,783	130	3,334	7,973	17,897
59	CA	45,289	1,752	24,672	54,862	47,625	2,005	42,630	1,209	20,561	94,388	199,695
60	AK	429	11	166	504	445	13	270	10	197	769	2,580
61	HI	949	25	277	786	986	24	360	216	1,218	1,120	3,443

X Not applicable. [1] Includes central administrative offices and auxiliary units. [2] Includes employment and payroll a administrative offices and auxiliary units. [3] "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 12th of March. "Production workers" represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November.

TATE: 1977 TO 1986

e U.S. and State fi...es were independently derived]

1986						
mployees [3]	Production workers [2]		Value added by manufacture [4] (mil. dol.)	Value of shipments [5] (mil. dol.)	Leading major industry groups ranked by value added by manufacture, **1982**	
Payroll (mil. dol.)	Number [3] (1,000)	Wages (mil. dol.)				
450,806	**11,767**	**236,599**	**1,035,821**	**2,290,315**	**Mach. exc. elec.; food; trans. equip.**	1
33,937	**821**	**15,885**	**72,032**	**129,074**	(x)	2
2,076	77	1,389	4,777	10,092	Paper; leather; food	3
2,312	69	1,320	5,249	9,443	Machinery exc. elec.; elec. equip.; paper	4
1,025	28	492	2,209	4,153	Elec. equip; mach., exc. elec.; fabricated metal	5
15,511	358	6,830	33,945	60,983	Machinery, exc. elec.; elec equip.; instruments	6
2,121	76	1,205	4,438	8,429	Misc. mfg.; fab. metal; elec. equip.	7
10,892	220	4,649	21,413	35,974	Trans. equip; mach., exc. elec.; elec. equip.	8
75,019	**1,778**	**34,727**	**163,216**	**319,484**	(x)	9
32,638	712	13,778	73,259	138,122	Printing and publishing; instruments; elec. equip.	10
17,931	387	7,787	37,867	73,085	Chemicals; food; electrical equipment	11
24,450	679	13,162	52,089	108,277	Machinery, exc. elec.; food; primary metal	12
111,796	**2,867**	**63,768**	**245,282**	**549,752**	(x)	13
29,803	703	16,966	66,167	145,539	Trans. equip.; mach., exc. elec., fab. metal	14
14,772	409	9,214	34,976	75,670	Electrical equip.; primary metal.; trans. equip.	15
25,830	600	12,954	58,621	123,839	Machinery, exc. elec.; food; elec. equipment	16
29,582	629	17,562	56,879	140,574	Trans. equip; mach. exc. elec.; fabricated metal	17
11,809	392	7,072	28,639	64,130	Machinery, exc. elec.; food; paper	18
30,934	**794**	**15,973**	**76,296**	**163,926**	(x)	19
9,526	202	4,116	19,759	42,790	Machinery exc. elec.; food; fabricated metal	20
4,506	127	2,617	13,219	31,219	Machinery, exc. elec.; food; electrical equip.	21
9,916	257	5,200	24,045	56,248	Transportation equip.; food; chemicals	22
273	9	154	715	2,281	Food; mach., exc. elec.; printing and publishing	23
487	19	308	1,496	3,938	Food; mach., exc.; elec. equip.	24
1,822	63	1,141	5,363	15,057	Food; machinery, exc. elec.; chemicals	25
4,404	117	2,377	11,689	30,393	Transportation equip.; food; printing and publishing	26
61,085	**2,073**	**35,162**	**155,957**	**333,892**	(x)	27
2,025	30	702	3,020	8,664	Chemicals; food; instruments	28
5,655	133	2,876	12,371	26,068	Electronic equip.; food; chemicals	29
489	6	130	1,302	1,854	Printing and publishing; food, machinery, exc. electric	30
8,670	298	5,346	24,010	47,346	Tobacco; chemicals; food	31
2,081	61	1,294	4,775	10,736	Chemicals; primary metal; stone, clay, glass	32
14,979	596	9,168	42,162	84,935	Textiles; tobacco; electrical equipment	33
6,775	208	4,346	16,472	36,119	Textiles; chemicals; machinery; exc. elec.	34
10,941	365	6,523	26,764	67,848	Textiles; food; chemicals	35
10,080	296	4,777	23,081	50,322	Food; electrical equip.; transportation equip.	36
24,899	**924**	**16,035**	**64,068**	**148,322**	(x)	37
5,433	171	3,399	15,909	37,349	Food; machinery, exc. elec.; chemicals	38
9,275	341	5,839	23,625	52,717	Chemicals; food; machinery, exc. elec.	39
6,432	252	4,368	15,560	36,537	Paper; chemicals; textiles	40
3,558	160	2,429	8,974	21,719	Transportation equip; food; electric equip.	41
33,860	**902**	**17,851**	**86,880**	**237,317**	(x)	42
3,563	151	2,390	9,164	22,131	Food; electronic equipment; paper	43
3,951	108	2,465	12,641	43,861	Chemicals; petroleum; food	44
3,902	100	2,112	9,002	22,393	Mach; exc. elec.; fab. metal; rubber, plastic	45
22,444	543	10,884	56,073	148,932	Machinery, exc. elec.; chemicals; food	46
13,702	**337**	**6,615**	**31,875**	**64,988**	(x)	47
412	15	291	907	2,998	Lumber; food; petroleum and coal	48
1,043	35	649	2,611	5,920	Food; machinery, exc. elec.; chemicals	49
150	5	106	370	1,835	Chemicals; mach., exc. elec.; food	50
4,901	98	2,117	10,397	20,015	Machinery, exc. elec.; instruments; food	51
649	22	338	1,932	3,776	Petroleum and coal; electric equipment; food	52
4,012	93	1,853	9,509	17,730	Elec. equip.; machinery exc. elec.; trans. equip.	53
2,083	56	1,029	4,993	10,389	Machinery, exc. elec.; trans. equip; food	54
452	13	232	1,156	2,225	Food; printing and publishing; fabricated metals	55
65,166	**1,485**	**30,586**	**140,219**	**293,861**	(x)	56
7,848	166	3,796	15,668	42,310	Transportation equip.; food; lumber	57
4,369	128	2,618	9,908	21,733	Lumber; food; instruments	58
52,296	1,148	23,768	112,968	224,517	Elec. equip; trans.; equip.; mach., exc. elec.	59
231	7	165	501	2,015	Food; petroleum and coal; lumber	60
424	16	239	1,174	3,086	Food; textiles; stone, clay, glass products	61

ion, see footnote 6, table 1264 [5] See footnote 7, table 1264.

S. Bureau of the Census, *Census of Manufactures, 1977* and *1982* and *Annual Survey of Manufactures.*

No. 1269. Finances of Manufacturing Corporations: 1970 to 1987

[**In billions of dollars**. Beginning 1986, data exclude estimates for corporations with less than $250,000 in assets at time of sample selection. Prior period includes estimates for corporations in this size category. See table 892 for individual industry data]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Net sales	709	1,065	1,328	1,496	1,742	1,897	2,145	2,039	2,114	2,335	2,331	2,221	2,370
Net operating profit	50	77	107	122	135	129	144	105	125	159	136	125	150
Net profit:													
Before taxes	48	80	115	133	154	145	158	108	133	166	137	129	173
After taxes	29	49	70	81	99	92	101	71	86	108	88	83	116
Cash dividends	15	20	27	29	32	36	40	41	42	45	46	46	50
Net income retained in business	14	29	44	52	66	56	61	30	44	63	42	37	66

Source: Through 1981, U.S. Federal Trade Commission; thereafter, U.S. Bureau of the Census. *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*, first quarter report of year subsequent to reported year.

No. 1270. Capital in Manufacturing Establishments: 1975 to 1987

[**In billions of dollars, except percent.** Minus sign (–) indicates decline. Data refer to privately owned manufacturing establishments and are based on the capital expenditures data from the census of manufactures, the Annual Survey of Manufactures, and the inventory investment component of GNP. For details, see source]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	1975	1980	1984	1985	1986	1987	1975	1980	1984	1985	1986	1987
Purchases of equipment and structures	38.5	75.3	76.4	83.7	76.9	79.0	65.1	86.8	75.1	84.6	76.1	78.7
Percent equipment	79.3	80.4	80.3	80.0	80.6	81.1	78.7	80.4	81.6	82.4	83.0	83.9
Depreciation (straight line) [1]	28.7	53.1	71.7	74.2	77.1	79.7	49.8	62.0	69.9	72.2	74.3	75.0
Percent equipment	76.7	78.7	78.8	78.6	78.6	78.3	76.6	78.9	80.0	80.4	80.8	81.1
Net investment [2]	9.7	22.2	4.6	9.5	–.2	–.7	15.3	24.9	5.1	12.4	1.8	.8
Net stock, end of year [1]	529.1	944.6	1,132.5	1,145.1	1,154.3	1,199.1	879.1	1,034.0	1,074.2	1,078.6	1,078.2	1,085.6
Equipment and structures	351.3	633.9	789.0	811.7	830.2	852.9	597.2	707.2	744.2	758.0	761.1	763.3
Percent equipment	64.4	67.0	66.7	66.8	66.8	66.6	64.0	67.4	68.3	68.7	69.0	69.4
Inventories	177.8	310.7	343.4	333.4	324.2	346.2	281.9	326.8	330.0	320.6	317.1	322.3

[1] Depreciation and net stock estimates are derived using the perpetual inventory method and the straight-line depreciation formula. [2] Represents the difference between purchases and depreciation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82, Fixed Reproducible Tangible Wealth in the United States, 1925–85*, and *Survey of Current Business*, January 1986, July 1987, August 1987, July 1988, and August 1988.

No. 1271. Manufacturers' Shipments, Inventories, and Orders: 1950 to 1987

[**In billions of dollars, except ratio.** See also *Historical Statistics, Colonial Times to 1970*, series P 74–92]

YEAR	Shipments, total	Inventories, total (Dec. 31) [1]	Ratio of inventories to shipments [2]	New orders, total	Unfilled orders, total (Dec. 31)	YEAR	Shipments, total	Inventories, total (Dec. 31) [1]	Ratio of inventories to shipments [2]	New orders, total	Unfilled orders, total (Dec. 31)
1950	224	32	1.41	242	41	1970	634	101	1.91	625	108
1951	261	39	1.78	287	67	1971	671	102	1.76	672	107
1952	270	42	1.71	279	76	1972	756	108	1.58	770	120
1953	298	44	1.90	283	60	1973	875	124	1.63	913	159
1954	280	42	1.71	268	48	1974	1,018	158	1.86	1,047	187
1955	318	45	1.63	330	60	1975	1,039	160	1.77	1,023	171
1956	333	51	1.74	340	68	1976	1,186	175	1.66	1,194	180
1957	345	52	1.90	331	53	1977	1,358	188	1.58	1,381	202
1958	327	50	1.75	324	47	1978	1,523	209	1.55	1,580	259
1959	363	53	1.68	369	52	1979	1,727	239	1.61	1,771	303
1960	371	54	1.79	363	45	1980	1,853	262	1.61	1,876	326
1961	371	55	1.67	373	47	1981	2,018	280	1.74	2,015	323
1962	400	58	1.76	401	48	1982	1,960	307	1.91	1,947	310
1963	421	60	1.66	426	53	1983	2,055	308	1.82	2,089	345
1964	448	63	1.62	460	65	1984	2,254	330	1.76	2,277	368
1965	492	68	1.58	505	79	1985	2,280	322	1.72	2,291	370
1966	538	78	1.70	557	97	1986	2,260	311	1.64	2,264	382
1967	558	84	1.71	565	104	1987	2,390	326	1.60	2,424	416
1968	603	90	1.76	608	110						
1969	642	98	1.81	647	115						

[1] Beginning in 1982 inventories are stated at current cost and are not comparable to the book value estimates for prior years.
[2] Ratio based on December seasonally adjusted data.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1982-1987*, series M3-1.86, M3-1(88).

No. 1272. VALUE OF MANUFACTURES SHIPMENTS AND INVENTORIES—SELECTED INDUSTRIES: 1980 TO 1987

[In billions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series P 74-79]

INDUSTRY	1980	1981	1982	1983	1984	1985	1986	1987
Shipments, total	**1,852.7**	**2,017.5**	**1,960.2**	**2,054.9**	**2,254.4**	**2,280.2**	**2,260.3**	**2,390.0**
Durable goods industries [2]	**930.6**	**1,006.5**	**952.2**	**1,019.5**	**1,159.5**	**1,188.2**	**1,199.9**	**1,263.5**
Stone, clay, and glass products	46.1	48.0	45.2	48.7	53.4	55.1	57.3	62.1
Primary metals	133.9	141.9	104.7	108.5	119.1	110.5	105.6	117.1
Fabricated metal products	116.2	123.7	119.4	122.1	135.9	139.6	138.0	135.0
Machinery, exc. electrical [2]	180.7	201.5	187.9	179.0	210.4	215.2	208.5	216.6
Engines and turbines	13.7	15.3	13.0	12.2	15.5	14.9	14.1	14.4
Construction mining and material handling equipment	33.6	39.0	32.0	24.8	27.1	27.7	25.9	25.8
Office and computing machines	32.4	37.8	43.0	48.2	59.7	62.2	58.8	61.2
Electrical machinery [2]	128.6	140.2	147.9	159.2	187.6	193.4	196.2	210.7
Elec. transmission and distribution	21.3	23.4	21.9	21.5	24.7	24.7	24.6	25.9
Household appliances	12.9	13.1	12.6	14.5	16.3	16.2	16.6	18.0
Radio and TV	8.5	8.8	7.8	8.9	9.9	11.4	11.9	11.5
Communication equipment	36.0	40.3	46.4	49.9	56.7	65.4	67.4	70.8
Electronic components	27.6	30.4	34.5	37.2	48.0	42.9	42.0	47.1
Transportation equipment [2]	186.5	205.2	201.3	244.1	281.2	301.4	313.8	323.0
Motor vehicles and parts	104.6	117.0	112.3	147.3	179.3	188.5	191.6	197.0
Aircraft, missiles, and parts	58.5	64.8	66.4	74.8	78.8	90.8	101.0	103.7
Instruments and related products [2]	44.1	48.3	51.8	53.6	59.4	61.0	61.9	66.8
Scientific and engineering equipment	25.6	28.7	32.3	33.8	38.3	40.6	40.8	44.7
Photographic goods	15.9	16.9	17.0	17.4	18.7	18.1	18.6	19.8
Nondurable goods industries [2]	**922.1**	**1,011.1**	**1,008.0**	**1,035.4**	**1,095.0**	**1,092.0**	**1,060.5**	**1,126.6**
Food and kindred products [2]	256.2	272.1	280.5	287.1	300.0	301.6	308.5	325.0
Beverages	33.0	36.1	38.8	40.2	41.2	43.2	45.6	44.9
Tobacco products	12.2	13.1	16.1	16.3	17.4	18.5	19.1	19.9
Textile mill products	47.3	50.3	47.5	53.4	55.5	53.3	55.3	57.5
Paper and allied products [2]	72.8	80.2	79.9	84.6	94.8	93.4	97.9	110.3
Paper, pulp, paperboard mill products	31.8	35.1	34.0	36.1	41.4	39.2	41.0	47.0
Paperboard containers	17.2	19.0	19.2	20.5	22.6	22.7	23.1	26.8
Chemicals and allied products [2]	162.5	180.5	170.7	183.2	198.2	197.3	197.1	212.7
Industrial inorganic chemicals	57.3	62.7	53.2	56.6	61.5	59.5	54.1	59.5
Drugs, soaps, toiletries	41.9	46.9	50.7	54.4	57.5	60.9	65.8	67.1
Petroleum and coal products	198.7	224.1	208.9	192.6	189.0	179.1	124.9	124.5
Rubber and plastics products	47.3	53.2	55.4	60.3	69.5	71.3	73.4	80.5
Inventories, total (Dec. 31)	**261.7**	**279.5**	**307.2**	**308.0**	**329.6**	**322.4**	**311.1**	**325.7**
Durable goods industries [2]	**172.2**	**183.6**	**197.0**	**196.6**	**214.5**	**209.9**	**204.2**	**212.3**
Stone, clay, and glass products	5.8	6.3	6.7	6.9	7.1	7.0	7.0	7.1
Primary metals	23.1	25.7	23.9	22.0	21.9	19.5	17.6	18.0
Fabricated metal products	19.2	19.9	21.1	21.6	22.6	21.9	21.4	22.4
Machinery, exc. electrical [2]	40.3	43.0	47.2	43.9	47.4	44.6	41.2	41.1
Engines and turbines	2.6	2.8	3.3	2.9	3.0	2.6	2.5	2.5
Construction mining and material handling equipment	9.2	9.9	11.9	9.9	9.1	7.7	6.8	6.5
Office and computing machines	8.4	9.2	10.0	10.5	13.2	11.9	10.4	10.5
Electrical machinery [2]	25.4	27.8	30.0	31.4	37.6	37.6	37.5	38.4
Elec. transmission and distribution	4.1	4.6	4.9	4.7	5.3	5.0	4.8	4.8
Household appliances	1.8	2.0	2.3	2.4	2.7	2.5	2.6	2.7
Radio and TV	1.3	1.4	1.1	1.1	1.4	1.3	1.4	1.3
Communication equipment	8.8	9.9	10.8	11.6	14.7	15.6	15.8	16.1
Electronic components	5.4	5.7	6.4	6.8	8.0	7.6	7.2	7.7
Transportation equipment [2]	35.3	37.0	42.3	43.5	49.5	50.9	50.9	55.9
Motor vehicles and parts	9.6	8.9	8.5	10.1	11.6	11.7	11.1	11.4
Aircraft, missiles, and parts	21.7	24.1	29.7	29.8	34.4	35.9	36.4	40.8
Instruments and related products [2]	8.8	9.4	10.9	11.2	12.2	12.4	12.2	12.3
Scientific and engineering equipment	6.0	6.4	7.7	7.9	8.9	9.1	9.2	9.2
Photographic goods	2.2	2.4	2.6	2.8	2.7	2.7	2.5	2.6
Nondurable goods industries [2]	**89.5**	**95.8**	**110.2**	**111.4**	**115.1**	**112.5**	**106.9**	**113.4**
Food and kindred products [2]	22.4	22.1	23.6	24.1	24.4	24.0	24.0	25.2
Beverages	3.8	3.8	4.4	4.3	4.4	4.6	4.8	4.5
Tobacco products	3.9	4.6	7.2	7.2	6.9	6.2	5.9	5.9
Textile mill products	6.5	6.7	6.6	7.3	7.5	7.0	6.9	7.2
Paper and allied products [2]	7.7	8.5	8.9	9.2	10.1	9.9	10.2	11.1
Paper, pulp, paperboard mill products	2.9	3.2	3.5	3.4	3.8	3.8	3.7	3.9
Paperboard containers	1.9	2.3	2.3	2.5	2.7	2.5	2.6	2.9
Chemicals and allied products [2]	19.6	22.0	23.8	24.4	25.5	25.1	24.2	24.8
Industrial inorganic chemicals	6.5	7.3	7.9	7.7	8.0	7.5	6.6	6.6
Drugs, soaps, toiletries	5.9	6.4	6.7	7.0	7.5	7.7	8.1	8.7
Petroleum and coal products	9.9	10.6	17.2	15.1	14.3	13.9	9.2	9.9
Rubber and plastics products	6.0	6.5	7.2	7.4	8.2	8.4	8.3	9.0

applicable. [1] Standard Industrial Classification. [2] Includes industries not shown separately.

U.S. Bureau of the Census, *Current Industrial Reports, Manufactures' Shipments, Inventories, and Orders: 1982-1986,* -1.86 M3-1(88).

No. 1273. Industrial Production Indexes, by Industry: 1970 to 1987

[**1977=100.** Based on 1977 *Standard Industrial Classification Manual;* see text, section 6. See also *Historical Statistics, Colonial Times to 1970,* series P 13 and P 18–39]

SIC[1] code	MAJOR INDUSTRY GROUP	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
(x)	**Industrial production**	**79**	**85**	**107**	**111**	**109**	**111**	**103**	**109**	**121**	**124**	**125**	[illegible]
(x)	**Manufacturing**	77	83	107	112	100	111	102	110	123	126	129	[illegible]
(x)	**Durable goods**	78	83	108	114	109	111	100	108	124	127	128	[illegible]
24	Lumber and products	81	81	102	102	93	90	83	100	109	113	124	130
25	Furniture and fixtures	75	80	109	112	109	110	105	118	134	140	144	153
32	Clay, glass, and stone products	76	83	109	111	102	99	89	99	113	116	118	119
33	Primary metals	95	88	107	109	90	95	66	73	82	81	75	81
34	Fabricated metal products	82	83	106	109	102	102	87	99	103	107	108	111
35	Nonelectrical machinery	73	85	112	123	123	130	116	118	142	145	145	153
36	Electrical machinery	69	77	113	126	130	134	128	144	171	168	166	172
37	Transportation equipment	75	81	106	108	97	95	88	99	112	121	128	129
38	Instruments	60	81	112	118	122	126	125	123	137	139	140	144
(x)	**Nondurable goods**	76	85	106	106	107	110	106	114	122	125	130	137
20	Food	82	90	104	107	111	114	115	120	127	130	134	138
21	Tobacco products	92	100	105	105	106	109	105	101	100	100	97	104
22	Textile mill products	81	85	103	104	101	96	89	101	104	103	109	116
26	Paper and products	81	85	107	111	111	112	109	120	127	128	137	144
27	Printing and publishing	82	84	108	113	115	119	120	130	147	154	161	172
28	Chemicals and products	67	83	107	111	106	113	104	114	122	127	132	140
29	Petroleum products	80	87	103	102	94	89	84	84	87	87	93	94
30	Rubber and plastics products	58	73	108	115	108	116	110	124	144	147	151	164
31	Leather and products	117	102	102	95	93	93	82	82	77	69	61	80
(x)	**Mining**	99	97	104	106	112	118	109	103	111	109	100	101
(x)	**Utilities**	81	94	103	106	107	107	105	105	111	112	109	110

X Not applicable. [1] Standard Industrial Classifications.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin,* monthly.

No. 1274. Index of Manufacturing Capacity: 1950 to 1988

[**1977 output=100.** Annual figures are averages of quarterly data. Capacity represents estimated quantity of output, relative to output in 1967, which the *current* stock of plant and equipment in manufacturing industries was capable of producing. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordnance, and miscellaneous industry groups]

YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent): All manufacturing	Primary processing	Advanced processing	YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent): All manufacturing	Primary processing	Advanced processing
1950	40	83	89	80	1979	130	85	87	84
1960	60	80	80	81	1980	134	79	78	80
1965	73	90	91	89	1981	139	78	78	78
1970	97	79	81	78	1982	143	70	68	72
1971	101	77	80	76	1983	146	74	74	74
1972	104	83	86	81	1984	150	81	81	80
1973	108	87	91	85	1985	154	80	81	80
1974	112	83	85	82	1986	158	80	82	79
1975	116	72	72	73	1987	161	81	85	79
1976	119	77	79	77	1988: 1st qtr	163	83	87	81
1977	123	81	83	81	2d qtr	164	83	87	81
1978	126	84	86	83					

Source: Board of Governors of the Federal Reserve System, *Capacity Utilization in Manufacturing, Mining, Utilities, and Industrial Materials,* G.3., monthly. (Based on data from Federal Reserve Board, U.S. Dept. of Commerce, U.S. Bureau of Labor Statistics, and McGraw-Hill Information Systems Company, New York, NY; and other sources.)

No. 1275. Large Manufacturing Companies—Adequacy of Capital Facilities: 1970 to 1987

[**Percent distribution.** As of **July.** Number of companies weighted by company assets. Based on replies to the question, "In view of the current rate of order bookings and customer inquiries, are your plant-and-equipment facilities now: Inadequate, Sufficient, or More than adequate?," as part of a quarterly survey conducted among the 1,000 largest manufacturing companies as listed by total assets]

YEAR	Inadequate	Sufficient	More than adequate	YEAR	Inadequate	Sufficient	More than adequate
1970	28	60	12	1980	12	57	31
1973	45	53	2	1981	9	51	40
1974	57	40	3	1982	8	45	47
1975	19	43	38	1983	6	48	46
1976	18	65	17	1984	8	55	37
1977	20	66	14	1985	10	52	38
1978	20	62	18	1986	8	55	37
1979	20	69	11	1987	8	71	21

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing* (copyright).

No. 1276. Large Manufacturing Companies—Capital Appropriations and Expenditures, by Industry: 1980 to 1987

[In **millions of dollars.** Based on reports submitted by companies responding to The Conference Board's *Quarterly Survey of Capital Appropriations.* This survey is conducted among the 1,000 largest manufacturing companies as listed by total assets. **Appropriations:** Authorizations by management to spend funds for new plant and equipment; **expenditures:** Cost of new plant and equipment]

INDUSTRY	APPROPRIATIONS					EXPENDITURES				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Total	**103,579**	**117,448**	**108,855**	**85,677**	**119,168**	**87,007**	**89,489**	**99,358**	**93,626**	**103,935**
Food and beverages	6,650	6,977	8,139	8,117	10,180	6,017	5,372	6,535	7,192	9,357
Paper and allied products	3,515	6,278	3,200	4,845	7,308	3,839	3,764	3,951	4,519	5,407
Chemicals and allied products	12,160	11,830	11,528	11,391	14,272	10,906	11,146	10,610	11,765	11,624
Petroleum and coal products	33,597	26,200	25,823	13,045	15,841	22,044	21,569	21,866	14,836	14,298
Primary iron and steel	2,101	1,485	1,762	1,594	2,165	2,801	1,443	1,815	1,387	1,174
Electrical machinery and equipment	6,519	11,923	8,284	9,286	22,297	6,183	9,650	9,185	9,499	18,698
Machinery, except electrical	8,891	10,828	11,446	7,400	8,689	9,301	8,557	10,222	6,801	6,608
Motor vehicles and equipment	7,012	16,690	11,849	6,274	6,584	5,558	6,880	10,275	12,363	9,104
Other transportation equipment	3,633	5,272	5,835	5,471	6,220	3,744	4,306	5,163	6,127	5,822
Instruments and photo equipment	3,153	4,849	4,008	3,517	3,913	2,873	4,163	3,786	3,408	3,536
Rubber products	873	1,670	4,744	1,519	1,808	803	1,215	3,439	2,717	1,361
Other manufacturing	15,475	13,446	12,237	13,216	20,091	12,938	11,224	12,511	13,012	16,946

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Appropriations.* (Copyright.)

No. 1277. U.S. Share of World Exports of Manufactures: 1980 to 1987

[World exports=exports from 15 major trading countries: United States, Austria, Belgium-Luxembourg, Canada, Denmark, France, West Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and United Kingdom. Percents are calculated from the values of exports of the five commodity groups from each of the 15 countries. Percentage shares are based on dollar values calculated at current exchange rates. Details are reported according to Revision 2 of the United Nations Standard International Trade Classification (SITC)]

PRODUCT CATEGORY	TOTAL (bil. dol.)						PERCENT OF WORLD EXPORTS					
	1980	1983	1984	1985	1986	1987	1980	1983	1984	1985	1986	1987
Total [1]	**147.2**	**136.4**	**148.2**	**150.7**	**155.1**	**179.4**	**16.8**	**17.0**	**17.3**	**16.7**	**14.1**	**13.9**
Machinery	57.1	56.3	63.0	62.7	64.0	73.0	21.4	22.2	22.8	21.4	18.3	17.2
Transport equipment	28.9	28.4	30.0	35.2	35.4	40.6	18.3	17.6	17.3	16.7	15.7	15.5
Chemicals	20.8	19.9	22.6	21.5	22.4	26.7	17.9	18.3	16.5	17.9	15.5	15.3
Basic manufactures [2]	23.3	16.1	16.4	15.0	15.2	18.0	10.1	8.9	6.7	7.9	6.8	6.9
Misc. articles [3]	17.0	15.6	16.2	16.3	18.1	21.1	16.0	15.9	15.6	14.6	11.8	12.4

[1] Represents manufactures exports. Excludes mineral fuel products, processed food, fats, oils, firearms of war, and ammunition.
[2] Includes semimanufactures of various materials, such as metals, fibers, wood, glass, leather, rubber, and certain finished products of metal. [3] Includes mainly nondurable consumer goods and professional and scientific instruments.

Source: U.S. Dept. of Commerce, International Trade Administration, Office of Trade and Investment Analysis, *Business America,* biweekly; and *Market Share Reports,* annual.

No. 1278. Foreign Direct Investment Position in the U.S. for Manufacturing: 1980 and 1987

[In **millions of dollars.** Minus sign (−) indicates decrease]

AREA OR COUNTRY	TOTAL [1]		FOOD PRODUCTS		CHEMICALS AND ALLIED PRODUCTS		PRIMARY AND FABRICATED METALS		MACHINERY	
	1980	1987	1980	1987	1980	1987	1980	1987	1980	1987
All countries [2]	**32,993**	**91,025**	**4,896**	**16,004**	**10,439**	**30,442**	**3,576**	**8,199**	**6,988**	**15,157**
Canada	5,227	7,478	(D)	430	116	399	801	2,555	1,173	1,876
Europe [2]	21,953	70,598	2,088	13,890	8,163	27,637	2,194	3,453	4,463	11,520
Belgium	388	669	(Z)	(D)	185	480	157	(D)	6	−33
France	2,291	8,907	111	382	633	4,457	555	795	61	1,369
Italy	50	246	(D)	(D)	(D)	1	5	(D)	14	1,923
Luxembourg	85	50	(D)	(D)	-	-	(D)	(D)	2	60
Netherlands	4,777	16,120	225	5,492	2,002	6,045	170	533	1,094	1,498
United Kingdom	6,159	23,510	1,098	4,158	2,301	9,077	524	1,115	1,097	1,736
Sweden	994	3,016	1	−2	67	378	148	378	613	1,904
Switzerland	3,116	8,321	586	(D)	1,154	2,445	264	(D)	681	1,011
West Germany	3,875	9,002	43	38	1,815	4,664	333	255	832	1,369
Japan	1,033	5,232	98	164	224	534	78	577	318	1,521
Australia, New Zealand, and South Africa	87	3,115	4	1,342	5	32	44	719	−2	8
Latin America	4,571	3,666	101	24	1,929	1,718	412	569	1,027	197
Middle East	83	250	(D)	(D)	1	5	(D)	(D)	(Z)	15
Other Africa, Asia and Pacific	38	687	(D)	(D)	(Z)	116	(D)	(D)	8	20

- Represents zero. D Withheld to avoid disclosure of data of individual companies. Z Less than $500,000.
[1] Includes other manufacturing, not shown separately. [2] Includes other countries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* October 1984 and August 1988 issues.

NO. 1279. EMPLOYMENT RELATED TO MANUFACTURED EXPORTS BY INDUSTRY: 1977 TO 1984

[Total employment related to manufactured exports is the sum of employment directly calculated for the plants shipping exported product, the supplying industries and service organizations and the central administrative offices and auxiliaries. manufacturing industries, employment is limited to paid employees in manufacturing plants, while for nonmanufacturing it includ an estimate for working proprietors and partners]

INDUSTRY	1977			1980			1983			1984		
	Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports	
		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment
U.S.	**89,369**	**3,258**	**3.6**	**100,260**	**4,808**	**4.8**	**105,831**	**3,962**	**3.7**	**108,057**	**4,097**	**3.8**
Manufacturing	19,590	1,990	10.2	20,647	2,639	12.8	18,737	2,173	11.6	19,141	2,179	11.4
Nonmfg	69,779	1,268	1.8	79,613	2,170	2.7	87,094	1,789	2.1	88,916	1,918	2.2
Trade	16,653	489	2.9	19,737	845	4.3	21,059	816	3.9	21,501	875	4.1
Business serv.	16,750	215	1.3	17,245	575	3.3	19,515	178	.9	20,105	196	1.0
Transp.[1]	4,797	185	3.9	6,369	305	4.8	5,697	237	4.2	5,966	256	4.3
Agriculture	3,044	129	4.2	3,225	144	4.5	3,697	121	3.2	3,576	122	3.4
Mining	747	34	4.6	947	69	7.3	1,071	43	4.0	1,027	46	4.5
Other	27,788	216	.8	32,090	233	.7	36,055	394	1.1	36,743	420	1.1

[1] Includes communications and utilities.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977,* and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products.*

NO. 1280. EXPORT-RELATED SHIPMENTS AND EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS, 1963 TO 1984, AND BY INDUSTRY, 1984

[The export-related employment data shown do not include the jobs involved in the export of nonmanufactured goods and various services sold to foreign buyers. Thus, jobs in the manufacturing sector that relate to the export of nonmanufactured goods are excluded from the estimates. In addition, all of the indirect exports being reported are domestically produced, that is, they exclude imports. See source for further details on methodology]

SIC[1] code	INDUSTRY GROUP	MANUFACTURER'S SHIPMENT VALUE					MANUFACTURING EMPLOYMENT				
		Total[2] (bil. dol.)	Export related			Export related as percent of shipments	Total[6] (1,000)	Export related			Export related as percent of total employment
			Total (bil. dol.)	Direct exports[3] (bil. dol.)	Supporting exports[4] (bil. dol.)			Total[5] (1,000)	Direct exports[6] (1,000)	Supporting exports[5 7] (1,000)	
(x)	1963	420.5	16.5			3.9	16,958	(NA)			(NA)
(x)	1972	756.5	36.7			4.9	19,027	770			4.0
(x)	1977	1,356.4	142.4	85.8	56.6	10.4	19,590	1,990	1,106	884	10.2
(x)	1980	1,852.7	249.8	151.2	98.6	13.5	20,647	2,639	1,486	1,153	12.8
(x)	1981	2,017.5	271.7	164.3	107.4	13.4	20,264	2,604	1,486	1,118	12.9
(x)	1983	2,055.3	246.4	141.6	104.8	12.0	18,737	2,173	1,118	1,056	11.6
(x)	**1984, total**[8]	**2,253.8**	**268.3**	**151.0**	**117.3**	**11.9**	**19,141**	**2,179**	**1,083**	**1,095**	**11.4**
20	Food and kindred products	300.0	14.5	10.7	3.8	4.8	1,437	53	38	15	3.7
21	Tobacco products	17.4	2.5	2.2	.3	14.6	52	11	10	1	20.3
22	Textile mill products	55.4	4.1	1.7	2.4	7.4	711	48	17	31	6.8
23	Apparel, other textile products	57.6	1.7	1.1	.6	3.0	1,152	23	12	10	2.0
24	Lumber and wood products	54.7	4.5	2.4	2.2	8.3	643	42	18	24	6.6
25	Furniture and fixtures	30.0	.8	.5	.3	2.7	474	12	7	5	2.4
26	Paper and allied products	94.8	10.1	3.8	6.3	10.6	613	59	18	41	9.7
27	Printing and publishing	103.5	4.3	1.3	3.1	4.2	1,325	51	11	40	3.9
28	Chemical and allied products	198.3	32.9	20.1	12.8	16.6	845	128	80	48	15.1
29	Petroleum and coal products	189.0	14.8	3.9	10.9	7.8	137	10	4	6	7.2
30	Rubber, misc. plastics products	69.5	8.1	2.8	5.3	11.7	732	81	25	57	11.1
31	Leather, leather products	9.3	.6	.5	.1	6.8	170	6	5	1	3.5
32	Stone, clay, glass products	53.4	3.9	1.7	2.2	7.2	533	39	17	22	7.3
33	Primary metal industries	119.1	23.3	4.0	19.3	19.5	805	154	23	131	19.1
34	Fabricated metal products	135.9	15.8	6.0	9.8	11.6	1,482	174	62	112	11.8
35	Machinery, except electric	210.4	45.2	32.2	12.9	21.5	2,052	408	275	133	19.9
36	Electric, electronic equipment	188.0	34.2	17.4	16.8	18.2	2,033	381	182	199	18.7
37	Transportation equipment	280.2	35.8	29.4	6.4	12.8	1,709	218	179	39	12.8
38	Instruments and related products	59.4	9.1	7.9	1.3	15.4	612	98	84	15	16.0
39	Misc. manufacturing	27.8	2.0	1.6	.5	7.4	355	23	17	7	6.5

NA Not available. [1] Standard Industrial Classification; see text, section 13. [2] Includes total domestic and export shipments for all manufacturing establishments. [3] Includes only the value of manufactured products exported by the producing plants. [4] Includes shipments of components, parts, supplies, etc., used by plants producing the export products. [5] Includes employees of central administrative offices and auxiliaries. [6] Employment is limited to paid employees in manufacturing plants producing the export product. The number of employees related to export shipments was calculated for each establishment, aggregated by industry and by States, and inflated to a level comparable to the plant value of exports reported in the official foreign trade statistics at port value. [7] Manufacturing employment at establishment producing components, parts, supplies, etc for use by plants producing for export. [8] Includes administrative and auxiliary units, not shown separately.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1972, and 1977;* and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products.*

No. 1281. Export-Related Shipments and Employment of Manufacturing Establishments, by State: 1984

[See headnote, table 1280. For composition of regions, see fig. I, inside front cover. Includes employees of central administrative and auxiliary offices]

REGION, DIVISION, AND STATE	MANUFACTURES SHIPMENT VALUE					MANUFACTURING EMPLOYMENT				
	Total (bil. dol.)	Export related			Export related as percent of shipments	Total (1,000)	Export related			Export related as percent of total employment
		Total (bil dol.)	Direct exports (bil. dol.)	Supporting exports (bil. dol.)			Total (1,000)	Direct exports (1,000)	Supporting exports (1,000)	
U.S.	**2,253.8**	**268.3**	**151.0**	**117.3**	**11.9**	**19,141**	**2,179**	**1,083**	**1,095**	**11.4**
Region:										
Northeast	448.5	54.8	31.2	24.1	12.2	4,667	552	267	286	11.8
Midwest	717.2	81.0	44.9	36.0	11.3	5,546	645	300	346	11.6
South	735.7	83.1	44.1	38.9	11.4	5,819	560	273	287	9.6
West	352.5	49.4	31.0	18.4	14.0	3,112	423	244	177	13.6
New England	**124.5**	**18.0**	**11.2**	**7.1**	**14.5**	**1,456**	**195**	**103**	**93**	**13.4**
Maine	9.9	1.2	.7	.5	12.2	108	11	6	5	10.3
New Hampshire	8.8	1.1	.6	.6	12.9	114	14	6	8	11.9
Vermont	3.8	.6	.3	.3	16.2	44	7	3	3	15.2
Massachusetts	58.6	8.8	5.5	3.3	15.0	657	91	48	43	13.8
Rhode Island	8.5	.9	.5	.5	11.1	114	12	6	7	10.5
Connecticut	34.9	5.4	3.6	1.9	15.6	419	60	34	27	14.4
Middle Atlantic	**324.0**	**36.8**	**20.0**	**17.0**	**11.4**	**3,211**	**357**	**164**	**193**	**11.1**
New York	133.9	16.0	9.8	6.2	11.9	1,347	151	78	73	11.2
New Jersey	77.7	8.0	4.3	3.8	10.3	738	79	32	47	10.6
Pennsylvania	112.4	12.8	5.9	7.0	11.4	1,126	127	54	73	11.3
East North Central	**536.4**	**62.6**	**33.5**	**29.0**	**11.7**	**4,238**	**505**	**224**	**280**	**11.9**
Ohio	141.6	17.4	9.0	8.4	12.3	1,128	144	66	78	12.8
Indiana	76.9	9.4	4.4	4.9	12.2	609	72	32	40	11.8
Illinois	125.8	13.3	6.4	6.9	10.6	1,056	117	46	70	11.0
Michigan	130.1	16.7	10.6	6.1	12.8	944	118	56	62	12.5
Wisconsin	62.0	5.8	3.1	2.7	9.3	501	54	24	30	10.7
West North Central	**180.8**	**18.4**	**11.4**	**7.0**	**10.2**	**1,306**	**140**	**76**	**66**	**10.7**
Minnesota	42.8	5.3	3.1	2.1	12.4	373	47	23	25	12.7
Iowa	33.5	3.3	2.1	1.2	9.8	202	20	12	8	10.1
Missouri	52.7	5.4	3.4	2.0	10.2	415	43	24	20	10.4
North Dakota	2.6	.3	.2	.1	11.2	14	2	1	1	11.4
South Dakota	3.5	.2	.2	.1	7.0	27	2	1	1	6.7
Nebraska	15.1	1.3	.8	.5	8.7	92	9	5	4	10.0
Kansas	30.6	2.6	1.6	1.0	8.6	185	17	10	7	9.2
South Atlantic	**311.8**	**33.8**	**18.8**	**14.9**	**11.1**	**3,011**	**275**	**130**	**146**	**9.1**
Delaware	9.6	1.1	.7	.4	11.7	69	9	3	6	12.8
Maryland	23.6	2.3	1.1	1.2	9.9	229	24	12	12	10.7
District of Columbia	1.7	.1	(Z)	(Z)	4.2	15	1	(Z)	1	3.9
Virginia	43.9	4.8	2.9	1.9	10.9	408	37	19	18	9.0
West Virginia	10.8	1.9	.9	1.0	17.2	87	11	5	7	13.1
North Carolina	78.8	8.5	4.8	3.7	10.8	828	69	31	38	8.3
South Carolina	34.0	4.0	1.9	2.1	11.7	365	34	14	20	9.4
Georgia	61.6	5.1	2.7	2.4	8.2	542	42	20	22	7.7
Florida	47.8	6.0	3.8	2.2	12.5	468	48	26	22	10.2
East South Central	**145.6**	**15.5**	**8.0**	**7.5**	**10.7**	**1,277**	**114**	**54**	**60**	**8.9**
Kentucky	37.4	4.1	2.1	2.0	10.9	252	26	12	14	10.3
Tennessee	49.5	5.0	2.7	2.3	10.1	477	42	21	21	8.7
Alabama	36.3	4.2	2.0	2.2	11.6	341	31	14	17	9.1
Mississippi	22.4	2.2	1.2	1.0	10.0	207	15	7	8	7.0
West South Central	**278.3**	**33.8**	**17.3**	**16.5**	**12.1**	**1,531**	**171**	**89**	**81**	**11.2**
Arkansas	22.9	2.4	1.3	1.1	10.5	200	16	7	9	8.1
Louisiana	55.0	7.0	3.5	3.5	12.7	182	19	9	9	10.2
Oklahoma	24.5	2.3	1.2	1.1	9.3	174	19	11	8	11.0
Texas	175.9	22.1	11.3	10.8	12.6	975	117	62	55	12.0
Mountain	**65.6**	**8.3**	**4.5**	**3.7**	**12.7**	**576**	**76**	**42**	**33**	**13.2**
Montana	3.8	.3	.1	.3	8.4	22	1	(Z)	1	6.3
Idaho	6.2	.7	.4	.2	10.7	50	5	3	2	9.7
Wyoming	2.4	.2	(Z)	.1	6.3	9	1	(Z)	(Z)	5.9
Colorado	21.3	2.8	1.9	.9	13.1	191	27	17	10	14.0
New Mexico	3.9	.3	.1	.2	8.4	31	3	2	1	9.9
Arizona	15.9	2.5	1.2	1.3	15.6	161	26	13	13	15.9
Utah	10.3	1.3	.7	.6	12.6	83	11	6	5	12.1
Nevada	1.8	.2	.1	.1	10.3	19	2	1	1	10.5
Pacific	**286.9**	**41.1**	**26.5**	**14.7**	**14.3**	**2,536**	**347**	**202**	**144**	**13.7**
Washington	38.6	8.6	6.9	1.7	22.4	277	48	36	12	17.2
Oregon	21.0	2.7	1.6	1.1	12.9	191	25	15	10	13.0
California	221.5	28.8	17.1	11.7	13.0	2,036	271	149	122	13.3
Alaska	2.4	.6	.6	.1	27.2	9	2	2	(Z)	26.7
Hawaii	3.4	.4	.3	.1	12.1	23	1	(Z)	(Z)	3.1

Z Less than $50 million or fewer than 500.

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures, Origin of Exports of Manufactured Products* M84(AS)-5.

No. 1282. Imports for Consumption of Manufactured Products: 1970 to 1987

[Import data for 1974–81 are valued on a f.a.s. basis. Data for 1970–73 and 1982–86 are valued on a customs basis. Data years have been adjusted to include comparable commodities in each group. Minus sign (-) indicates decrease]

SIC ¹ code	PRODUCT	1987		GROWTH RATE ² (percent)			IMPORT PENETRA RATIO ³ (perce		
		Value (mil. dol.)	Percent distribution	1970–1987	1980–1987	1986–1987	1972	1977	1982
(x)	**Manufacturing**	**340,089**	**100.0**	**15.0**	**12.6**	**10.0**	**6.1**	**7.0**	**8.5**
(x)	Nondurables	94,298	27.7	13.0	9.0	11.6	4.7	5.4	5.8
20	Food and kindred products	13,180	3.9	8.0	3.4	5.3	3.9	3.8	3.6
21	Tobacco manufactures	90	-	10.5	-.4	10.2	.6	.7	1.8
22	Textile mill products	4,780	1.4	9.3	13.0	13.1	5.6	4.2	5.4
23	Apparel and other mill products	21,503	6.3	18.0	18.6	18.3	7.0	10.3	14.3
26	Paper and allied products	9,715	2.9	11.3	8.7	18.0	5.6	6.3	6.1
27	Printing and publishing	1,329	.4	13.7	14.6	7.5	1.0	.9	.9
28	Chemicals and allied products	14,318	4.2	15.3	10.8	8.5	3.2	3.9	4.5
29	Petroleum and coal products	13,123	3.9	13.3	-.3	2.2	7.1	8.5	7.3
30	Rubber and plastics products	6,331	1.9	14.2	12.7	17.7	4.7	5.4	5.1
31	Leather and leather products	9,930	2.9	16.9	16.6	14.8	15.9	21.2	33.9
(x)	Durables	245,791	72.3	16.0	14.3	9.4	7.2	8.3	11.2
24	Lumber and wood products	5,959	1.8	11.2	7.3	10.9	9.4	9.3	8.2
25	Furniture and fixtures	4,575	1.3	19.6	22.9	14.5	2.6	3.6	5.3
32	Stone, clay, and glass products	5,560	1.6	14.7	13.7	13.2	3.7	4.0	5.3
33	Primary metal industries	19,106	5.6	9.9	2.9	4.2	8.9	10.0	14.7
34	Fabricated metal products	9,617	2.8	14.4	11.8	12.7	2.5	3.2	4.3
35	Machinery, except electrical	42,319	12.4	18.7	18.1	18.4	5.4	6.3	8.4
36	Electrical and electronic equipment	45,782	13.5	18.2	16.7	8.5	7.6	10.4	12.4
37	Transportation equipment	86,658	25.5	16.6	16.0	5.6	9.8	10.2	15.4
38	Instruments and related products	11,547	3.4	17.5	13.7	8.5	6.7	9.2	10.1
39	Miscellaneous manufacturing industries	14,666	4.3	15.9	15.2	14.8	13.3	17.2	24.0

- Represents zero. X Not applicable. ¹ Standard Industrial Classification. ² 1970–87 and 1980–87 rates are pound annual growth rates. ³ Ratio of imports to new supply (product shipments plus imports).

No. 1283. Imports for Consumption for 28 Leading 3-Digit SIC Product Groups: 1970 to 1987

[See headnote table 1282. N.e.c.=Not elsewhere classified]

1977 SIC ¹ code	PRODUCT GROUP	1987		GROWTH RATE ² (percent)			IMPORT PENETRATIO RATIO ³ (percent)		
		Value (mil. dol.)	Percent distribution	1970–1987	1980–1987	1986–1987	1972	1977	1982
314	Footwear, except rubber	6,862	2.0	17.6	17.4	11.1	17.1	24.0	38.2
365	Radio and TV receiving equipment	11,763	3.5	14.1	16.3	-7.2	31.9	37.4	43.1
387	Watches, clocks, and watchcases	1,613	.5	14.0	6.4	11.2	21.1	34.0	45.9
375	Motorcycles, bicycles, and parts	1,343	.4	7.6	-1.9	-10.8	65.1	51.2	53.8
317	Handbags and personal leather goods	1,128	.3	15.8	13.0	22.3	18.1	26.9	37.4
391	Jewelry, silverware, and plated ware	5,832	1.7	18.7	14.1	3.1	22.0	31.1	41.9
237	Fur goods	515	.2	28.8	28.4	17.1	3.7	9.6	25.0
316	Luggage	870	.3	22.1	19.4	23.7	15.4	19.7	34.8
313	Boot, shoe cut stock and findings	251	.1	29.5	17.6	14.4	2.2	10.5	24.7
393	Musical instruments	790	.2	16.0	24.6	35.3	15.0	14.2	21.5
394	Toys and sporting goods	5,749	1.7	17.3	17.4	27.1	13.0	17.3	25.6
326	Pottery and related products	1,492	.4	14.3	10.8	17.4	21.3	27.0	30.9
236	Children's outerwear	6,425	1.9	17.3	20.9	14.7	16.3	18.6	20.2
238	Miscellaneous apparel and accessories	1,453	.4	14.7	15.6	36.1	16.1	27.7	25.0
315	Leather gloves and mittens	90	-	5.6	7.0	10.7	22.3	24.3	27.2
385	Ophthalmic goods	830	.2	18.3	16.9	13.8	12.4	19.7	24.0
302	Rubber and plastics footwear	348	.1	3.9	-4.5	27.9	33.9	61.3	33.6
328	Cut stone and stone products	430	.1	17.7	26.2	15.4	10.6	8.2	23.6
333	Primary nonferrous metals	6,647	2.0	9.1	-1.1	1.8	17.7	20.3	23.6
319	Leather goods, n.e.c.	168	-	14.1	15.0	18.7	15.1	13.6	16.1
381	Engineering and scientific instruments	245	.1	17.1	13.0	15.3	12.5	16.2	32.4
355	Special industry machinery	4,559	1.3	14.1	14.1	13.9	14.7	13.6	18.4
261	Pulpmills	2,069	.6	8.9	2.5	29.2	30.4	33.1	29.1
371	Motor vehicles and equipment	78,113	23.0	16.9	17.1	6.3	11.6	12.4	20.6
233	Women's and misses' outerwear	4,573	1.3	19.3	20.1	13.0	4.9	8.0	14.4
396	Costume jewelry and notions	985	.3	14.2	10.4	16.7	13.8	17.5	17.7
235	Hats, caps, and millinery	210	.1	14.2	9.5	8.9	11.0	12.6	18.8
232	Men's and boys' furnishings	5,176	1.5	19.3	16.0	26.8	7.2	11.1	16.3

- Represents zero. ¹ Standard Industrial Classification. ² 1970–87 and 1980–87 rates are compound annual growth
³ Ratio of imports to new supply (product shipments plus imports).

Source of tables 1282 and 1283: U.S. International Trade Administration, *Industrial Outlook*, annual.

NO. 1284. DOMESTIC EXPORTS OF MANUFACTURED PRODUCTS: 1970 TO 1987

[Data are valued on a f.a.s. basis. Data for all years have been adjusted to include comparable commodities in each group. Minus sign (–) indicates decrease]

SIC[1] code	PRODUCT	1987		GROWTH RATE[2] (percent)			RATIO OF EXPORTS TO PRODUCT SHIPMENTS (percent)			
		Value (mil. dol.)	Percent distribution	1970-1987	1980-1987	1986-1987	1972	1977	1982	1987
(X)	**Manufacturing**	**198,355**	**100.0**	**10.9**	**2.5**	**15.3**	**5.6**	**7.4**	**9.1**	**8.2**
(X)	Nondurables	60,148	30.3	11.3	2.5	16.6	3.5	4.5	5.4	5.2
20	Food and kindred products	12,320	6.2	9.8	.2	9.5	2.9	4.1	4.3	3.9
21	Tobacco manufactures	2,278	1.1	15.7	11.2	53.9	5.7	9.4	10.3	9.1
22	Textile mill products	1,891	1.0	8.9	–3.8	14.4	2.9	4.3	4.9	3.9
23	Apparel and other mill products	1,490	.8	11.8	–1.0	26.5	1.2	2.2	2.4	2.1
26	Paper and allied products	5,676	2.9	10.1	2.8	26.7	4.1	4.9	5.5	4.7
27	Printing and publishing	1,525	.8	9.4	4.6	17.5	1.3	1.5	1.7	1.2
28	Chemicals and allied products	26,090	13.2	11.8	2.7	15.6	7.6	9.7	12.5	11.9
29	Petroleum and coal products	4,479	2.3	13.3	6.7	5.9	1.9	1.4	3.2	3.6
30	Rubber and plastics products	3,710	1.9	12.6	4.8	26.1	3.1	4.0	4.8	4.1
31	Leather and leather products	686	.3	15.0	4.4	32.2	1.8	3.8	5.7	7.3
(X)	Durables	138,207	69.7	10.7	2.5	14.8	7.4	10.0	13.0	10.8
24	Lumber and wood products	3,961	2.0	10.8	1.0	31.2	4.1	5.8	7.2	5.5
25	Furniture and fixtures	550	.3	15.5	2.8	18.1	.6	1.5	2.5	1.5
32	Stone, clay, and glass products	2,045	1.0	9.3	.9	18.7	2.4	3.4	4.3	3.2
33	Primary metal industries	4,772	2.4	4.5	–8.3	32.7	2.8	3.0	5.0	3.6
34	Fabricated metal products	6,185	3.1	8.1	–1.3	11.6	3.9	5.6	6.6	4.5
35	Machinery, except electrical	41,054	20.7	10.2	1.1	12.9	14.9	19.5	23.3	20.1
36	Electrical and electronic equipment	24,359	12.3	13.7	5.8	19.3	6.7	10.6	12.7	10.8
37	Transportation equipment	42,371	21.4	11.5	5.4	11.6	9.2	11.6	15.6	12.5
38	Instruments and related products	10,191	5.1	11.7	4.1	10.3	12.6	16.6	17.4	16.5
39	Miscellaneous manufacturing industries	2,719	1.4	10.4	–.9	30.7	7.6	9.4	9.5	9.3

X Not applicable. [1] Standard Industrial Classification. [2] See footnote 2, table 1282.

NO. 1285. DOMESTIC EXPORTS FOR 28 LEADING 3-DIGIT SIC PRODUCT GROUPS: 1970 TO 1987

[See headnote, table 1284. N.e.c.=Not elsewhere classified]

1977 SIC[1] code	PRODUCT GROUP	1987		GROWTH RATE[2] (percent)			EXPORT/SHIPMENTS RATIO (percent)			
		Value (mil. dol.)	Percent distribution	1970-1987	1980-1987	1986-1987	1972	1977	1982	1987
299	Petroleum and coal products	358	.2	11.3	–4.9	–5.6	47.0	48.5	59.3	55.5
261	Pulpmills	2,345	1.2	9.8	4.3	35.0	33.4	37.5	40.9	41.5
357	Office and computing machines	18,342	9.2	15.5	11.6	21.1	20.9	23.8	24.6	28.2
353	Construction and related machinery	5,796	2.9	5.9	–9.0	–7.7	24.0	28.5	38.8	26.6
372	Aircraft and parts	20,618	10.4	11.9	5.2	13.3	24.9	29.1	29.9	25.5
374	Railroad equipment	331	.2	8.5	–3.9	–36.4	9.0	7.3	14.7	24.7
355	Special industry machinery	2,324	1.2	7.5	.2	21.5	19.5	24.6	27.7	22.6
382	Measuring and controlling devices	4,074	2.1	11.2	4.4	10.7	19.4	24.0	24.6	22.4
311	Leather tanning and finishing	391	.2	14.9	5.4	24.9	7.1	11.8	19.0	21.5
383	Optical instruments and lenses	1,121	.6	18.3	7.2	7.3	12.0	10.3	18.8	21.3
287	Agricultural chemicals	3,020	1.5	14.9	–2.6	15.2	9.8	12.1	21.0	21.2
281	Industrial inorganic chemicals	3,609	1.8	11.2	3.2	4.5	12.4	14.7	19.3	20.9
369	Miscellaneous electrical equipment	4,097	2.1	17.6	9.9	21.6	8.5	13.5	21.7	20.3
359	Machinery, except electrical	1,516	.8	26.3	9.7	21.1	1.5	2.2	16.3	20.3
351	Engines and turbines	2,960	1.5	9.9	–2.7	9.3	13.8	20.7	28.3	19.8
367	Electronic components and accessories	10,082	5.1	15.4	8.0	23.4	11.6	17.8	19.8	19.0
286	Industrial organic chemicals	8,195	4.1	12.3	3.6	18.8	11.2	11.6	17.0	19.0
241	Logging camps, log contractors	1,653	.8	9.2	.5	33.3	20.4	20.4	19.1	18.2
391	Jewelry, silverware, and plated ware	1,021	.5	11.3	.2	29.1	14.2	15.3	12.9	18.1
213	Chewing and smoking tobacco	223	.1	12.6	45.1	26.3	13.7	4.2	5.8	17.5
393	Musical instruments	171	.1	11.5	–3.3	49.2	8.2	14.6	16.7	16.7
381	Engineering and scientific instruments	715	.4	9.3	7.8	13.1	11.2	12.1	16.9	15.5
356	General industrial machinery	4,859	2.4	8.1	–.8	7.8	15.0	19.6	18.4	15.4
386	Photographic equipment and supplies	2,333	1.2	10.3	–.4	4.5	11.8	15.6	15.9	15.3
207	Fats and oils	2,240	1.1	5.6	–7.1	–1.5	15.0	17.2	18.6	15.2
348	Ordnance and accessories, n.e.c	641	.3	5.7	-	–13.3	11.4	25.1	17.9	14.8
306	Fabricated rubber products, n.e.c	96	-	19.6	17.3	12.3	2.4	3.6	8.1	12.7
352	Farm and garden machinery	1,343	.7	7.9	–6.3	11.9	9.6	14.4	15.3	12.5

- Represents zero. [1] Standard Industrial Classification. [2] See footnote 2, table 1282.

Source of tables 1284 and 1285: U.S. International Trade Administration, *Industrial Outlook*, annual.

NO. 1286. BEVERAGE INDUSTRY—SUMMARY: 1970 TO 1986

YEAR AND ITEM	Unit	Total	Malt beverages	Malt	Wine, brandy, brandy spirits	Distilled liquor, exc. brandy	Soft drinks (bottled, canned)
1970: Employees	1,000	228	57	2	9	21	129
Payroll	Mil. dol	1,884	616	19	71	171	916
Value added by manufacture	Mil. dol	6,144	2,028	58	258	887	2,121
Value of shipments	Mil. dol	12,373	3,822	210	591	1,758	4,631
1980: Employees	1,000	199	43	2	11	14	118
Payroll	Mil. dol	3,646	1,122	40	191	253	1,850
Value added by manufacture	Mil. dol	13,708	3,639	162	811	1,849	5,348
Value of shipments	Mil. dol	33,041	9,362	660	2,189	3,389	13,909
1984: Employees	1,000	186	39	2	12	11	110
Payroll	Mil. dol	4,460	1,314	45	274	268	2,283
Value added by manufacture	Mil. dol	18,288	5,394	162	1,081	1,685	7,142
Value of shipments	Mil. dol	41,181	11,868	587	2,695	3,405	18,052
1985: Employees	1,000	183	40	2	13	10	106
Payroll	Mil. dol	4,624	1,358	44	297	268	2,345
Value added by manufacture	Mil. dol	19,293	5,681	162	1,063	1,691	7,587
Value of shipments	Mil. dol	43,243	12,216	571	2,763	3,495	19,358
1986: Employees	1,000	172	34	2	13	10	102
Payroll	Mil. dol	4,549	1,255	41	318	261	2,348
Value added by manufacture	Mil. dol	20,952	6,185	163	1,234	1,845	8,215
Value of shipments	Mil. dol	45,687	12,678	539	3,163	3,504	20,687

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures and Census of Manufactures, 1982.*

NO. 1287. ALCOHOLIC BEVERAGES—SUMMARY: 1970 TO 1987

[**For fiscal years ending in year shown;** see text, section 9. Includes Puerto Rico. Excludes imports. See *Historical St*
Colonial Times to 1970, series P 235 for beer production, and P 236a for distilled spirits]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985
Beer: Breweries operated	Number	154	117	88	92	82	92	96	103
Production	Mil. bbl.[1]	135	158	193	195	194	196	193	194
Imports (incl. ale, etc.)[2]	Mil. bbl.[1]	(NA)	1.7	4.6	5.2	5.8	6.3	7.2	7.9
Value of shipments (SIC 2082)[3]	Mil. dol	3,822	5,641	9,362	10,179	11,183	11,798	11,868	12,216
Tax-paid withdrawals	Mil. bbl.[1]	123	147	172	177	176	178	176	175
Stocks on hand, June 30	Mil. bbl.[1]	15	14	15	14	14	15	14	14
Per capita consumption[4]	Gallons	28.6	32.8	34.9	35.6	33.4	33.0	32.8	(NA)
Of domestic output	Gallons	28.4	32.4	34.0	34.5	32.0	31.7	31.5	(NA)
Distilled spirits:									
Production facilities operated	Number	140	115	143	114	121	121	112	117
Warehouses operated	Number	274	241	200	198	202	193	202	214
Production, total[5]	Mil. tax gal.[6]	355	278	236	259	217	181	134	117
Whisky	Mil. tax gal.[6]	160	50	87	90	96	80	77	65
Imports[2]	Mil. tax gal.[6]	90.9	113.5	90.7	117.9	106.0	116.4	117.7	115.8
Tax-paid withdrawals, total[7]	Mil. tax gal.[6]	256	295	330	321	312	306	301	306
Whisky	Mil. tax gal.[6]	112	137	42	(NA)	(NA)	(NA)	(NA)	(NA)
Stocks on hand, June 30, total[5]	Mil. tax gal.[6]	1,091	836	696	691	654	640	636	588
Whisky	Mil. tax gal.[6]	960	780	566	544	540	523	490	467
Bottled for consumption, total	Mil. wine gal.[8]	312	357	392	388	375	377	368	371
Whisky	Mil. wine gal.[8]	192	182	165	162	153	154	142	138
Per capita[4]	Wine gal.[8]	2.61	2.49	2.90	2.84	2.62	2.71	2.83	(NA)
Of domestic output	Wine gal.[8]	1.91	1.75	2.00	2.02	1.80	1.79	1.80	(NA)
Still wines: Production[9]	Mil. wine gal.[8]	713	782	982	901	546	813	684	622
Imports[2]	Mil. wine gal.[8]	22.1	40.3	90.7	101.1	107.5	58.6	58.8	57.9
Tax-paid withdrawals[10]	Mil. wine gal.[8]	204	287	340	363	365	367	376	414
Stocks on hand, June 30[11]	Mil. wine gal.[8]	207	325	486	602	519	596	577	602
Per capita[4]	Wine gal.[8]	1.70	2.20	2.65	2.68	2.81	2.82	2.83	(NA)
Of domestic output	Wine gal.[8]	1.52	1.96	2.02	2.02	2.14	2.10	2.08	(NA)
Effervescent wines:[12]									
Production	Mil. wine gal.[8]	20.0	18.0	26.8	31.2	30.6	36.6	34.6	32.0
Imports[2]	Mil. wine gal.[8]	2.0	2.1	5.2	7.9	8.7	11.4	15.7	16.0
Tax-paid withdrawals	Mil. wine gal.[8]	17.1	17.6	24.1	27.0	26.5	31.7	31.9	30.9
Stocks on hand, June 30	Mil. wine gal.[8]	8.1	9.0	11.9	14.4	17.6	21.5	20.5	21.3
Per capita[4]	Wine gal.[8]	.15	.13	.17	.19	.22	22	.21	(NA)
Of domestic output	Wine gal.[8]	.13	.12	.12	.14	.17	.17	.17	(NA)

NA Not available. [1] Barrels of 31 wine gallons (see footnote 7). [2] Source: U.S. Bureau of the Census, *Im*
Consumption, General Imports, FT 246. [3] Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and
Annual Survey of Manufactures. [4] Source: U.S. Dept. of Commerce, International Trade Administration. Based on U.S
of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. [5] Exclude
produced for industrial use. [6] A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon; for spirit
than 100 proof to the wine gallon. (See footnote 8.) A proof gallon is the alcoholic equivalent of a U.S. gallon at 60°F, c
50 percent of ethyl alcohol by volume. [7] Includes ethyl alcohol. [8] A wine gallon is the U.S. gallon equivalent to th
of 231 cubic inches. [9] Production represents total amount removed from fermenters, including distilling material, and
increase after fermentation (by amelioration, sweetening, and addition of wine spirits). In 1975, 359 million gallons of
materials were produced; 1980, 184 mil. gal.; 1981, 264 mil. gal.; 1982, 138 mil. gal.; 1983, 223 mil. gal.; 1984, 169 mil. g
148 mil. gal.; 1986, 149 mil. gal.; 1987, 155 mil. gal. [10] Includes special natural wines. [11] Excludes distilling
[12] Includes champagne, other effervescent wines, and artificially carbonated wines.

Source: Except as noted, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*

No. 1288. FOOD MANUFACTURING INDUSTRY—SUMMARY: 1970 TO 1987

[Covers manufacturers of food and kindred products (Standard Industrial Classification Code 20); based on various editions of the Standard Industrial Classification Manual, see text, section 13]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total employees [1]	1,000	1,786	1,658	1,708	1,671	1,636	1,615	1,612	1,603	1,609	1,624
Production workers	1,000	1,207	1,120	1,175	1,150	1,126	1,114	1,120	1,118	1,131	1,149
Avg. hourly earnings, prod. workers	Dollars	3.16	4.61	6.85	7.44	7.92	8.19	8.39	8.57	8.75	8.94
Salaries and wages	Bil. dol	11.7	15.9	23.2	24.7	26.1	26.6	27.4	28.1	28.6	(NA)
Value added by manufacture [2]	Bil. dol	32.3	48.1	75.5	80.8	88.4	93.4	98.0	104.1	112.2	(NA)
Value of shipments [3]	Bil. dol	98.5	172.2	256.2	272.1	280.5	287.1	300.0	301.6	308.5	(NA)
Total assets	Bil. dol	23.8	33.0	48.6	48.8	58.6	61.5	64.6	69.6	(NA)	(NA)
Capital expenditures, new [4]	Bil. dol	2.1	3.4	5.8	6.0	6.7	5.8	6.4	7.0	7.0	(NA)
Corporate profits before taxes [5]	Bil. dol	4.8	8.8	13.0	14.3	13.3	14.8	15.5	20.9	21.1	24.0
Corporate profits after taxes [5]	Bil. dol	2.6	5.2	8.2	9.1	8.4	9.4	9.8	12.8	13.3	15.6
Ratio of profits to stockholders' equity [6]	Percent	10.8	14.4	14.7	14.0	13.0	12.2	13.3	15.3	16.2	17.4
Profits per dollar of sales [6]	Cents	2.5	3.2	3.4	3.2	3.1	3.3	3.3	4.1	4.2	4.6

NA Not available. [1] Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. [2] See footnote 7, table 1264. [3] See footnote 8, table 1264. [4] Includes expenditures for plants in operation and plants under construction but not yet in operation. [5] Source: Through 1981, U.S. Federal Trade Commission, thereafter U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc.; for detail, see source. [6] Return on equity and after tax profit rates are averages of quarterly figures at annual rates.

Source: Except as noted, U.S. Bureau of the Census, *1982 Census of Manufactures*, and *Annual Survey of Manufactures*.

No. 1289. TOBACCO MANUFACTURES INDUSTRY—SUMMARY: 1972 TO 1986

[**In millions of dollars, except as indicated.** Represents Standard Industrial Classification Code 21. Includes cigarettes, cigars, chewing and smoking tobacco, and tobacco stemming and redrying]

ITEM	1972 Census	1977 Census	1980 ASM	1981 ASM	1982 Census	1983 ASM	1984 ASM	1985 ASM	1986 ASM
All employees:									
Number (1,000)	66.3	60.6	58.0	61.1	57.9	54.8	51.7	49.2	46.1
Payroll	502	751	1,045	1,219	1,324	1,355	1,354	1,369	1,360
Value added by manufacture	2,637	4,334	6,148	6,430	8,965	9,642	10,787	11,894	12,725
Cost of materials	3,281	4,730	6,091	6,691	7,099	6,541	6,683	6,626	6,341
Value of shipments	5,920	9,051	12,195	13,130	16,061	16,252	17,440	18,507	19,073
New capital expenditures	133	182	367	726	607	649	670	669	659

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977*, and *1982*; and *Annual Survey of Manufactures*.

No. 1290. TOBACCO PRODUCTS—PRODUCTION AND CONSUMPTION: 1970 TO 1987

[Production data are for years ending **June 30.** Excludes cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1970*, series P 239–241]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Production:													
Cigarettes [1]	Billions	562	627	688	707	702	744	711	668	657	665	662	678
Cigars [1]	Billions	8.0	8.3	5.6	5.1	4.9	5.0	4.5	4.3	4.5	4.2	3.8	3.5
Tobacco [2]	Mil. lb	164	155	156	156	163	162	160	159	159	155	144	139
Per capita consumption: [3]													
All products	Lb.[4]	9.6	9.1	8.1	8.3	8.0	7.6	7.5	7.2	6.9	6.8	6.7	6.4
Cigarettes	1,000	4.0	4.1	4.0	3.9	3.8	3.8	3.7	3.5	3.5	3.4	3.3	3.2
Cigars [5]	Number	60	39	30	27	25	23	22	22	20	18	17	15
Tobacco [2]	Lb.[4]	.83	.72	.68	.69	.69	.64	.65	.64	.63	.61	.76	.67

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[1] Large and small. Source: U.S. Bureau of Alcohol, Tobacco, and Firearms. [2] Smoking and chewing tobaccos and snuff. Source: U.S. Dept. of Agriculture, Agricultural Marketing Service, *Manufacture and Sales of Snuff, Smoking, and Chewing Tobacco*, quarterly. [3] Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. [4] Unstemmed processing weight equivalent. [5] Weighing over 3 pounds per 1,000.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation*, quarterly.

No. 1291. MILL CONSUMPTION OF NATURAL FIBERS: 1970 TO 1987

[**In million of pounds.** See *Historical Statistics, Colonial Times to 1970*, series P 229 and P 230, for wool and silk]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
Cotton, total [1]	3,854	3,027	3,170	3,041	3,077	3,036	2,715	2,488	2,808	2,716	2,813	3,256	3,784
Wool, total [2]	240	110	108	115	117	123	139	116	141	142	117	137	143
Flax, total	6	3	3	4	5	2	4	8	5	6	4	4	3
Silk, total	2	1	2	2	2	1	2	2	2	1	1	1	1

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[1] Reported by U.S. Bureau of the Census. For American cotton, tare as reported by Crop Reporting Board is deducted. For foreign cotton, 20 pounds deducted. [2] Reported by U.S. Bureau of the Census. Excludes consumption in cotton and other spinning systems and consumption in batting and felt manufacture.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Outlook and Situation*, April 1987.

No. 1292. Cotton, Wool, and Manmade Fibers—Quantity and Distribution in Selected Consumer Products: 1980 to 1986

[Represents products manufactured by U.S. mills. Excludes textile glass]

END-USE AND YEAR	Total (mil. lb.)	COTTON		WOOL		MAN-MADE FIBERS					
								Cellulosic [1]		Non-cellulosic [2]	
		Total (mil. lb.)	Percent end-use	Total (mil. lb.)	Percent end-use	Total (mil. lb.)	Percent end-use	Total (mil lb.)	Percent end-use	Total (lb.)	Percent end-use
Total:											
1980	11,205	3,125	27.9	167	1.5	7,913	70.6	748	6.7	7,165	63.9
1981	10,812	2,910	26.9	195	1.8	7,707	71.3	725	6.7	6,982	64.6
1982	9,643	2,724	28.2	170	1.8	6,749	70.0	532	5.5	6,217	64.5
1983	11,220	2,933	26.1	204	1.8	8,083	72.1	576	5.2	7,507	66.9
1984	11,298	3,056	27.1	231	2.0	8,011	70.9	577	5.1	7,434	65.8
1985	11,532	3,182	27.6	194	1.7	8,156	70.7	542	4.7	7,614	66.0
1986	12,640	3,661	29.0	216	1.7	8,763	69.3	606	4.8	8,157	64.5
Apparel:											
1980	4,696	1,652	35.2	125	2.7	2,919	62.1	297	6.3	2,622	55.8
1981	4,431	1,595	36.0	149	3.4	2,687	60.6	311	7.0	2,376	53.6
1982	4,027	1,557	38.6	127	3.2	2,343	58.2	213	5.3	2,130	52.9
1983	4,565	1,646	36.1	153	3.4	2,766	60.6	228	5.0	2,538	55.5
1984	4,389	1,718	39.1	171	3.9	2,500	57.0	239	5.5	2,261	51.5
1985	4,318	1,802	41.7	141	3.3	2,375	55.0	208	4.8	2,167	50.2
1986	4,920	2,125	43.2	158	3.2	2,637	53.6	250	5.1	2,387	48.5
Home furnishings:											
1980	1,717	787	45.8	15	.9	915	53.3	169	9.9	746	43.4
1981	1,672	733	43.8	17	1.0	922	55.2	155	9.3	767	45.9
1982	1,425	665	46.7	16	1.1	744	52.2	104	7.3	640	44.9
1983	1,730	798	46.1	19	1.1	913	52.8	134	7.7	779	45.1
1984	1,837	863	47.0	21	1.1	953	51.9	134	7.3	819	44.6
1985	1,864	893	47.9	18	1.0	953	51.1	125	6.7	828	44.4
1986	1,919	1,012	52.8	18	.9	889	46.3	131	6.8	758	39.5
Floor coverings:											
1980	1,926	15	.8	10	.5	1,901	98.7	–	–	1,901	98.7
1981	1,838	12	.7	12	.6	1,814	98.7	1	.1	1,813	98.6
1982	1,711	10	.6	11	.6	1,690	98.8	1	.1	1,689	98.7
1983	2,207	14	.6	13	.6	2,180	98.8	1	.1	2,179	98.7
1984	2,287	14	.6	14	.6	2,259	98.8	1	.1	2,258	98.7
1985	2,568	18	.7	12	.5	2,538	98.8	1	–	2,537	98.8
1986	2,803	20	.7	16	.6	2,767	98.7	2	.1	2,765	98.6
Exports of domestic products:											
1980	617	259	42.0	6	1.0	352	57.0	31	5.0	321	52.0
1981	490	166	33.9	5	1.0	319	65.1	28	5.7	291	59.4
1982	339	115	33.9	6	1.8	218	64.3	19	5.6	199	58.7
1983	284	93	32.7	5	1.8	186	65.5	17	6.0	169	59.5
1984	280	85	30.4	4	1.4	191	68.2	16	5.7	175	62.5
1985	328	108	32.9	10	3.0	210	64.1	16	4.9	194	59.1
1986	384	143	37.3	9	2.3	232	60.4	19	4.9	213	55.5
Industrial: [3]											
1980	2,249	412	18.3	11	.5	1,826	81.2	251	11.2	1,575	70.0
1981	2,381	404	17.0	12	.5	1,965	82.5	230	9.7	1,735	72.8
1982	2,141	377	17.6	10	.5	1,754	81.9	195	9.1	1,559	72.8
1983	2,434	382	15.7	14	.6	2,038	83.7	196	8.1	1,842	75.7
1984	2,505	376	15.0	21	.8	2,108	84.2	187	7.5	1,921	76.7
1985	2,454	361	14.7	13	.5	2,080	84.8	192	7.9	1,888	76.9
1986	2,614	361	13.8	15	.6	2,238	85.6	204	7.8	2,034	77.8

– Represents zero. [1] Rayon and acetate. [2] Nylon, polyester, acrylic, olefin, except as noted. [3] Includes consumer-type products.

Source: Textile Economics Bureau, Inc., Roseland, NJ, *Textile Organon*, monthly. (Copyright.)

No. 1293. U.S. Exports and Imports of Textiles and Apparel Products: 1980 to 1987

[**In millions of dollars.** Excludes glass fibers, linoleum, rubber and leather apparel and clothing donated for charity. Minus sign (–) indicates deficit]

PRODUCT	1980	1985	1987	PRODUCT	1980	1985	1987
Exports	**4,458**	**2,712**	**3,619**	**Imports**	**8,139**	**18,309**	**24,812**
Textile mill products	3,457	2,112	2,671	Textile mill products	2,372	4,714	6,229
Yarn and thread	642	569	526	Yarn and thread	168	506	679
Cotton broad woven fabric	546	203	292	Cotton broad woven fabric	433	837	1,288
Other broad woven and knit fabric	809	477	579	Other broad woven and knit fabric	784	1,353	1,564
Narrow fabric	106	160	174	Narrow fabric	43	93	141
Special fabric	709	284	570	Special fabric	299	361	470
Made-up articles	318	222	283	Made-up articles	362	1,019	1,365
Textile floor coverings	327	197	247	Textile floor coverings	283	545	697
				Apparel	5,767	13,595	18,583
Apparel	1,001	600	948	**Trade balance**	**–3,681**	**–15,597**	**–21,193**

Source: U.S. Bureau of the Census, *U.S. General Imports, Schedule A Commodity by Country*, Report FT135, and *U.S. Exports, Schedule E Commodity by Country*, Report FT410, monthly.

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No. 1294. MALE AND FEMALE CLOTHING—PRODUCTION: 1980 TO 1987

[**In millions of units, except as indicated.** See also *Historical Statistics, Colonial Times to 1970*, series P 242 and 243]

ITEM	1980	1984	1985	1986	1987
MALE CLOTHING					
Men's suits	14.6	12.5	10.8	10.6	10.6
Boys' suits [1]	3.4	2.9	2.5	2.0	2.5
Separate trousers (men's)	125.1	123.0	116.5	113.8	110.1
Separate coats [2]	17.9	22.3	20.6	20.8	18.9
Woven shirts, men's [3] (mil. doz.)	13.1	11.2	12.7	12.5	11.4
Casual slacks	89.0	54.7	49.8	42.7	42.6
Jeans	242.7	202.1	210.5	219.3	206.4
Work shirts (incl. flannels) (mil. doz.)	3.6	3.6	3.5	3.4	2.5

ITEM	1980	1984	1985	1986	1987
FEMALE CLOTHING					
Blouses [4] and shirts (mil. doz.)	25.6	22.0	21.3	21.5	19.7
Dresses	176	162	151	133.4	131.9
Suits [5]	17.6	11.3	12.3	10.8	6.5
Slacks	159.8	162.0	160.1	133.4	128.0
Jeans	98.2	88.9	90.1	92.7	87.4
Skirts	98.9	97.5	95.4	98.9	104.7
Coats	17.0	11.9	10.7	11.2	11.2
Knit outerwear:					
Sweaters (mil. doz.)	4.1	6.6	7.6	6.3	5.3
Sport shirts [6] (mil. doz.)	10.0	13.5	9.6	7.9	8.1

[1] Includes uniform suits and coats. [2] Includes men's and boys' coats. [3] Includes knit and woven dress and woven sport. [4] Includes only woven blouses. [5] Includes pant suits. [6] Includes blouses.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA23A.

No. 1295. NONRUBBER FOOTWEAR—SUMMARY: 1970 TO 1986

[**In millions of pairs, except as indicated.** See *Historical Statistics, Colonial Times to 1970*, series P 260-261, for men's and women's shoes]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Apparent consumption	**801.7**	**727.9**	**787.7**	**793.4**	**734.5**	**729.8**	**829.7**	**911.9**	**1,020.1**	**1,095.4**	**1,168.7**
Production, shoes and slippers	562.3	413.1	418.9	398.9	386.3	372.0	359.1	339.2	303.2	265.1	240.9
Percent exported	.4	1.1	1.6	2.3	3.3	3.0	2.5	2.2	2.9	4.3	5.2
Value (bil. dol.)	2.9	3.1	3.8	4.3	4.7	4.5	4.8	4.8	4.0	4.0	3.6
Shoes, sandals, playshoes (production) [1]	460.8	339.1	335.6	320.6	323.5	302.2	305.1	281.5	243.8	210.4	185.0
Imports	241.5	319.4	375.7	403.6	361.0	369.0	479.5	580.2	725.8	842.6	940.4
Percent of total consumption	30.1	43.9	47.7	50.9	49.1	50.6	57.8	63.6	71.1	76.9	80.5

[1] Beginning 1980, includes items not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M31A.

No. 1296. CHEMICALS AND ALLIED PRODUCTS—INDUSTRY SUMMARY: 1972 TO 1986

[**In millions of dollars, except as noted**]

ITEM	1972	1975	1977	1980	1981	1982	1983	1984	1985	1986
Employment, total (1,000)	837	842	880	910	892	873	851	843	826	802
Salaries and wages	8,731	11,227	13,839	18,269	19,723	20,836	21,411	22,665	23,345	23,711
Production workers (1,000)	525	510	544	545	533	509	496	491	476	458
Work-hours (million)	1,054	1,001	1,090	1,080	1,067	1,004	981	979	951	928
Value added	32,414	44,976	56,721	74,384	80,032	77,315	86,473	94,728	95,258	100,013
Value of shipments [1]	57,350	89,721	118,154	162,517	180,459	170,737	183,206	198,233	197,311	197,091
Assets, total	38,812	50,565	65,300	82,112	88,769	95,125	102,226	106,331	111,945	(NA)
Rents, total	293	453	513	597	659	644	734	779	767	(NA)
Export value [2]	4,183	8,655	10,700	21,589	21,970	20,388	20,099	22,626	21,797	22,562
Import value [2]	1,749	3,098	4,414	6,977	7,772	7,572	9,314	11,910	12,708	13,191

NA Not available. [1] Value of products and services sold by 28 group industries. [2] Source: U.S. International Trade Administration, *U.S. Industrial Outlook*, annual.

Source: Except as noted, U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977*, and *1982;* and *Annual Survey of Manufactures*.

No. 1297. RUBBER—NEW SUPPLY, DISTRIBUTION, AND STOCKS: 1970 TO 1987

[**In thousands of long tons.** Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises SBR (including weight of oil content), neoprene, butyl, butadiene-acrylonitrile, polyisobutylene, chlorosulfonated polyethylene, and polysulfide, silicone, acrylic, stereo, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New supply	**3,042**	**2,826**	**3,772**	**3,816**	**3,137**	**3,147**	**2,649**	**2,996**	**3,308**	**3,057**	(NA)	(NA)
Domestic production [1]	2,398	2,077	2,830	2,889	2,294	2,277	1,861	2,030	2,248	1,993	2,140	2,284
Synthetic	2,197	1,958	2,705	2,764	2,209	2,190	1,788	1,956	2,177	1,932	2,093	2,251
Imports [2]	644	749	943	927	843	870	788	966	1,060	1,064	(NA)	(NA)
Natural	550	658	771	769	650	700	640	766	793	779	(NA)	(NA)
Exports [1]	**324**	**250**	**302**	**437**	**494**	**405**	**338**	**304**	**382**	**345**	**390**	**509**
Synthetic	299	226	284	416	472	389	325	289	376	343	387	506
Stocks, end of year [1]	**645**	**528**	**606**	**370**	**279**	**299**	**235**	**220**	**248**	**244**	**285**	**276**

NA Not available. [1] Includes reclaimed and synthetic. [2] Natural, synthetic and reclaimed.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-30A.

No. 1298. Iron and Steel Industry—Summary: 1975 to 1987

[The universe for financial data for 1982 represents companies who produced 82 percent of the reported raw steel production
financial data represents the operations of the steel segment of companies. Minus sign (–) indicates net loss]

ITEM	Unit	1975	1979	1980	1981	1982	1983	1984	1985	1986
Steel mill products, apparent supply	Mil. tons [1]	89.0	115.0	95.2	105.4	76.4	83.5	98.9	96.4	90.0
Net shipments	Mil. tons [1]	80.0	100.3	83.9	88.5	61.6	67.6	73.7	73.0	70.3
Exports	Mil. tons [1]	3.0	2.8	4.1	2.9	1.8	1.2	1.0	1.0	1.0
Imports	Mil. tons [1]	12.0	17.5	15.5	19.9	16.7	17.1	26.2	24.3	20.7
Percent of total supply	Percent	13.5	15.2	16.3	18.9	21.8	20.5	26.4	25.2	23.0
Japan	Percent	6.6	5.5	6.3	5.9	6.8	5.1	6.7	6.2	4.8
EEC [2]	Percent	4.6	4.7	4.1	6.1	7.3	4.9	6.4	7.2	7.3
Canada	Percent	1.1	2.0	2.5	2.7	2.4	2.9	3.2	3.0	3.6
Scrap consumed	Mil. tons [1]	62.8	77.2	66.6	68.3	43.7	49.0	51.8	53.2	49.7
Scrap inventory	Mil. tons [1]	7.6	7.4	6.9	7.1	5.5	5.0	4.4	4.0	3.4
Iron and steel products: Exports	Mil. tons [1]	4.1	3.8	5.1	3.8	2.6	1.8	1.7	1.6	1.5
Imports	Mil. tons [1]	13.9	20.3	17.9	22.6	18.8	19.3	29.5	27.6	24.2
Revenue	Bil. dol	(NA)	40.8	37.7	43.8	28.7	25.0	30.3	28.4	25.0
Net income	Bil. dol		.8	.7	1.7	–3.4	–2.2	–(Z)	–1.8	–4.1
Stockholders' equity	Bil. dol		14.3	14.5	15.4	11.3	8.2	9.4	6.9	2.4
Total assets	Bil. dol		29.3	30.8	31.7	27.9	25.5	26.2	24.0	21.0
Net fixed assets	Bil. dol		16.8	17.7	18.2	17.8	15.9	16.6	15.7	13.4
Capital expenditures	Bil. dol		2.5	2.7	2.4	2.3	1.9	1.2	1.6	.9
Working capital ratio [3]	Ratio		1.7	1.6	1.7	1.5	1.3	1.4	1.3	1.8
Inventories	Bil. dol		5.0	4.7	5.4	4.0	3.3	4.2	3.5	3.0
Average employment	1,000	457	453	399	391	289	243	236	208	175
Hours worked	Million	855	894	758	753	526	475	474	419	356
Index of output, all employees [4]	1977=100	93	107	103	112	91	116	131	139	142
Capacity by steelmaking process	Mil. net tons	153.1	155.3	153.7	154.3	154.0	150.6	135.3	133.6	127.9

NA Not available. Z Less than $50 million. [1] In millions of short tons. [2] European Economic Community; incl
Belgium, Denmark, France, West Germany, Ireland, Italy, Luxembourg, The Netherlands, and the United Kingdom; Spain
Portugal in 1986 and 1987. [3] Current assets to current liabilities. [4] Index of output per employee hour.

Source: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report.* (Copyright.)

No. 1299. Mill and Foundry Products—Shipments: 1970 to 1987

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Ferrous castings (1,000 sh. tons): [1]									
Gray iron castings [2] [3]	13,945	13,328	11,799	11,801	8,215	9,247	10,520	8,701	8,620
Pressure pipe and fittings	1,691	1,380	1,396	1,249	1,100	1,268	1,538	1,535	1,683
Soil pipe and fittings	953	449	375	410	353	358	393	376	373
All other	11,301	11,499	10,028	10,142	6,762	6,049	8,589	6,790	6,564
Malleable iron castings [2]	852	770	450	422	284	291	380	376	320
For sale	521	484	206	200	119	98	180	198	154
For own use	331	286	244	222	166	193	200	178	166
Standard malleable	628	534	312	291	191	191	241	233	165
Pearlitic malleable	224	236	138	129	94	100	139	143	135
Steel castings [2] [3]	1,724	2,026	1,878	1,743	1,017	729	940	939	826
Carbon	1,147	1,758	1,225	1,102	609	420	581	573	507
Alloy	577	268	653	641	408	309	359	366	232
Nonferrous castings (1,000 sh. tons): [2] [3]									
Copper and copper-base alloy	391	315	285	283	222	249	252	235	239
Aluminum and aluminum-base alloy	771	728	845	910	803	949	1,116	1,114	1,138
Zinc and zinc-base alloy	398	356	243	236	208	245	272	255	248
Magnesium and magnesium-base alloy	18	19	13	11	9	13	14	12	20
Lead and lead-base alloy die [4]	28	21	23	19	19	28	25	23	26
Copper-based products (mil. lb.)	**5,624**	**4,715**	**5,820**	**5,955**	**4,774**	**4,827**	**5,283**	**4,657**	**4,588**
Brass mill products	2,513	2,025	2,467	2,622	2,014	2,116	2,717	2,363	2,318
Alloyed [5]	1,542	1,324	1,508	1,695	1,247	1,245	1,661	1,366	1,359
Unalloyed	971	701	959	927	767	871	1,056	997	959
Copper wire mill products [6]	2,329	2,056	2,783	2,767	2,316	2,213	2,062	1,824	1,792
Brass and bronze foundry products	782	631	570	566	444	498	504	470	478
Aluminum mill products (mil. lb.) [7]	**7,358**	**7,427**	**10,485**	**10,329**	**9,116**	**10,624**	**11,076**	**11,092**	**11,416**
Plate, sheet, and foil	4,247	4,664	6,692	6,829	6,060	7,171	7,195	7,255	7,490
Extruded shapes and tubing	1,823	1,643	2,329	2,104	1,961	1,980	2,583	2,794	2,944
Rolled structural shapes, rod, bar, cable [8]	963	924	1,213	1,150	862	936	995	787	744
Powder, flake and paste	205	99	117	108	80	79	99	107	86
Forgings and impacts	120	97	134	139	[9] 152	173	[9] 204	149	164

NA Not available. [1] Based on a sample of foundries. [2] Includes shipments "for own use." [3] Includes ductile (nodular
iron castings. [4] Excludes lead die castings for battery plates and parts. [5] Excludes webbing scrap (military ammunition cup
and discs). [6] Copper content. [7] Producers' net shipments consist of total shipments less shipments to other metal mills fo
further fabrication into other forms of mill products. [8] Includes wire. [9] Includes welded tubes.

Source: U.S. Bureau of the Census, *Current Industrial Reports,* series M33-2, M33A, M33E, and U.S. Bureau of the Census an
U.S. International Trade Administration, *Current Industrial Reports,* series ITA-9008, annual.

No. 1300. RAW STEEL, PIG IRON AND FERROALLOYS PRODUCTION: 1970 TO 1987

[**In millions, except percent.** See also *Historical Statistics, Colonial Times to 1970*, series P 265-269]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
RAW STEEL (net tons)												
World production	654.2	712.0	790.6	824.5	790.4	779.4	710.7	730.9	782.2	791.6	788.9	812.6
U.S. production	131.5	116.6	137.0	136.3	111.8	120.8	74.6	84.6	92.5	88.3	81.6	89.2
Percent of world	20.1	16.4	17.3	16.5	14.2	15.5	10.5	11.6	11.8	11.1	10.3	11.0
Basic oxygen process	63.3	71.8	83.5	83.3	67.6	73.2	45.3	52.1	52.8	51.9	47.9	[1] 61.9
Electric	20.2	22.7	32.2	33.9	31.2	34.1	23.2	26.6	31.4	29.9	30.4	28.1
Open hearth	48.0	22.2	21.3	19.1	13.0	13.5	6.1	5.9	8.3	6.4	3.3	(2)
Carbon	117.4	100.4	116.9	116.2	94.7	101.5	64.1	73.8	79.9	76.7	71.4	87.5
Alloy and stainless	14.1	16.3	20.1	20.1	17.1	19.3	10.5	10.8	12.6	11.6	10.2	12.5
Pig iron and ferroalloys, production (sh. tons) [3]	93.5	79.9	87.7	87.0	68.7	73.6	43.3	48.7	51.9	50.4	44.0	48.4

[1] Includes open hearth. [2] Included in basic oxygen process. [3] Beginning 1975, includes blast furnace ferroalloys.

No. 1301. STEEL PRODUCTS—NET SHIPMENTS, BY MARKET CLASSES: 1970 TO 1987

[**In thousands of short tons.** Comprises carbon, alloy, and stainless steel. "N.e.c." means not elsewhere classified]

MARKET CLASS	1970	1975	1980	1982	1983	1984	1985	1986	1987
Total [1]	**90,798**	**79,957**	**83,853**	**61,567**	**67,583**	**73,739**	**73,043**	**70,263**	**76,654**
Automotive	14,475	15,214	12,124	9,288	12,320	12,882	12,950	11,889	11,343
Steel service centers, distributors	16,025	12,700	16,172	13,067	16,710	18,364	18,439	17,478	19,840
Construction, incl. maintenance	8,913	8,119	8,742	6,283	7,271	7,522	7,900	7,336	7,681
Containers, packaging, shipping	7,775	6,053	5,551	4,470	4,532	4,352	4,089	4,113	4,372
Machinery, industrial equipment, tools	5,169	5,173	4,543	2,584	2,484	2,886	2,271	2,076	2,277
Steel for converting and processing	3,443	3,255	4,117	3,222	4,403	5,136	5,484	5,635	7,195
Rail transportation	3,098	3,152	3,155	1,020	937	1,436	1,061	798	758
Contractors' products	4,440	3,927	3,148	2,287	2,703	2,631	3,330	3,278	3,337
Oil and gas industries	3,550	4,171	5,371	2,745	1,296	2,003	2,044	1,023	1,489
Electrical equipment	2,694	2,173	2,441	2,003	2,337	2,385	1,869	2,113	2,373
Appliances, utensils, and cutlery	2,160	1,653	1,725	1,337	1,618	1,635	1,486	1,648	1,633

[1] Includes other classes not shown and nonclassified shipments.

Source of tables 1300 and 1301: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report.* (Copyright.)

No. 1302. MACHINE TOOL ORDERS AND SHIPMENTS: 1970 TO 1987

[**In millions of dollars.** These data represent total industry volume based on reports from members of the National Machine Tool Builders' Association. The reporting companies produce about 90 percent of the U.S. machine tool output]

YEAR	METAL CUTTING TYPE TOOLS					METAL FORMING TYPE TOOLS				
	New orders (net)		Shipments		Order backlog, end of period	New orders (net)		Shipments		Order backlog, end of period
	Total	Domestic	Total	Domestic		Total	Domestic	Total	Domestic	
1970	651	507	993	827	471	261	227	450	412	235
1975	916	781	1,879	1,548	1,062	361	213	573	485	219
1977	2,202	1,981	1,651	1,470	1,794	793	731	630	560	384
1978	3,373	3,043	2,189	1,960	2,981	973	897	825	729	518
1979	4,495	3,866	2,930	2,606	4,546	1,126	920	947	860	619
1980	3,885	3,496	3,681	3,208	4,750	870	665	1,011	879	385
1981	2,228	1,946	4,105	3,552	2,873	717	617	981	824	427
1982	1,064	890	2,895	2,590	1,043	433	372	710	600	151
1983	1,152	1,069	1,372	1,200	823	545	489	474	430	222
1984	1,916	1,700	1,607	1,484	1,132	1,000	932	679	609	542
1985	1,853	1,652	1,742	1,549	1,243	675	610	803	743	414
1986	1,544	1,377	1,890	1,686	897	581	507	688	621	307
1987	1,451	1,294	1,677	1,498	672	667	536	647	537	327

Source: National Machine Tool Builders Association, McLean, VA; data published in U.S. Bureau of Economic Analysis, *Business Statistics, 1979*, for 1970-1978; thereafter, *Survey of Current Business*, monthly.

No. 1303. U.S. FACTORY SALES OF ELECTRONICS SHIPMENTS: 1975 TO 1987

[In millions of dollars]

TYPE OF ELECTRONICS	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total value [1]	**42,269**	**101,087**	**117,729**	**128,683**	**139,704**	**197,088**	**204,540**	**205,836**	**222,965**
Computers and industrial electronics	13,457	39,530	47,835	54,855	58,067	69,576	70,065	68,390	73,320
Communications equip. and systems	14,302	30,772	35,659	39,130	42,119	49,529	57,095	57,392	60,750
Electronic components	9,286	25,571	28,784	29,561	33,856	43,306	39,457	37,113	40,215
Consumer electronics (excl. imports)	5,224	5,205	5,451	5,137	5,662	6,375	5,457	5,500	5,585

[1] Beginning 1984, includes other products and related services not shown separately.

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

NO. 1304. ROBOTS, ACCESSORIES, AND COMPONENTS—UNITS SHIPPED AND VALUE: 1985 TO 19

[Based on a survey of all known manufacturers of robots, robot accessories, and components. Shipment value represents the sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, fr charges, and returns. A robot is a reprogrammable multi-functional manipulator designed to move materials, parts, too specialized devices through variable programmed motions for the performance of a variety of tasks. Robots are pres classified in the Standard Industrial Classification (SIC) based on their primary industrial function]

ITEM	UNITS SHIPPED (number)			VALUE OF SHIPMENTS ($1,000)		
	1985	1986	1987	1985	1986	19
Robots, robot accessories, and components	(x)	(x)	(x)	**345,239**	**345,938**	**249,**
Robots, complete	5,466	6,673	4,273	275,721	274,556	187,3
Servo-controlled robots	2,978	3,165	2,459	254,926	255,876	175,8
Point-to-point type:						
Welding, soldering, brazing, and/or cutting (welding type)	839	969	476	74,646	86,047	43,9
Foundry, forging, and/or heat treating [1]	65	63	28	4,530	6,885	3,4
Assembly for non-electronic and electronic products	547	443	535	17,761	19,091	19,5
Material handling and/or parts transfer	463	741	713	44,863	45,117	43,0
Continuous-path type:						
Welding, soldering, brazing, and/or cutting	287	198	110	22,352	13,768	9,0
Spraying, painting, gluing, and/or sealing	339	296	297	41,416	36,864	41,3
Fettling, grinding, polishing, and/or deburring [2]	438	455	300	49,358	48,104	15,6
Nonservo-controlled robots	460	451	215	18,015	15,691	8,1
Other robots	2,028	3,057	1,599	2,780	2,989	3,3
Robot accessories, subassemblies, etc	(x)	(x)	(x)	69,518	71,383	62,4
Miscellaneous receipts	(x)	(x)	(x)	9,161	16,833	8,4

X Not applicable. [1] Combined with inspection, measuring, guaging, and/or sorting, machine tool loading and unloadin robots. [2] Includes other continuous-path type, not elsewhere classified.

Source: U.S. Bureau of the Census, *Current Industrial Reports,* series MA 35X(87-1).

NO. 1305. SELECTED ELECTRONIC AND ASSOCIATED PRODUCTS—VALUE OF SHIPMENTS, BY CLASS O PRODUCT: 1980 TO 1986

[**In millions of dollars.** Based on a survey of all establishments with 20 or more employees for industries 3661, 3662, 3671, 3674-3679, and 3693; includes all known manufacturers of telephone and telegraph apparatus, communications systems and equipment, and electronic equipment. See source for details. N.e.c. means not elsewhere classified]

Product code	PRODUCT DESCRIPTION	1980	1981	1982	1983	1984	1985	198
(x)	**Selected electronic and associated products**	**60,450**	**71,373**	**77,568**	**83,030**	**101,697**	**104,873**	**102,77**
36611	Telephone switching and switchboard equipment	4,254	4,363	4,448	4,651	5,871	7,714	7,114
36612	Other telephone and telegraph (wire) apparatus, equipment, and components	6,893	7,501	6,980	6,792	8,370	8,348	7,249
36621	Communication systems and equipments [1]	5,139	5,722	6,854	7,557	9,259	10,706	10,599
36622	Broadcast, studio, related electronic equipment	1,187	1,446	1,544	1,464	1,476	1,562	1,537
36624	Alarm systems	1,193	761	834	880	1,045	1,114	1,039
36625	Search and detection systems and navigation and guidance system and equipment	12,139	15,040	17,733	19,962	22,823	27,057	29,280
36629	Electronic systems and equipment, n.e.c.[2]	2,490	2,900	3,111	3,120	3,361	3,549	3,502
36741	Integrated microcircuits (semiconductor networks)	6,606	6,976	7,322	8,903	13,324	10,910	10,626
36749	Other semiconductor devices	1,393	2,079	2,317	2,411	2,586	2,483	2,064
36750	Capacitors for electronic applications	1,184	1,277	1,209	1,266	1,604	1,327	1,270
36792	Magnetic recording tape [3]	9,619	1,053	964	959	1,748	1,306	1,474
36797	Printed circuit boards		1,664	2,147	2,553	3,565	3,490	3,617
36798	Complex components		2,320	2,502	2,635	3,418	3,310	3,343
36799	All other electronic components, n.e.c		4,302	3,973	4,277	5,692	5,022	4,308
36931	X-ray and other irradiation equipment	800	1,004	1,342	1,544	1,758	1,675	1,806
36933	Electromedical equipment	1,613	1,937	2,419	2,557	2,675	2,720	2,703

X Not applicable. [1] Excludes broadcast. [2] Effective for 1981, product class 36627 has been changed to 36629 to improve comparability with the 1982 Census of Manufactures. [3] Similar products are collected on the *Current Industrial Repor* MA35R, Computers and Office and Accounting Machines, and the data were added together to form the complete produc classification.

Source: U.S. Bureau of the Census, *Current Industrial Reports,* MA-36A; MA-36D; MA-36Q; and MA-36R.

NO. 1306. COMPUTERS AND OFFICE AND ACCOUNTING MACHINES—VALUE OF SHIPMENTS: 1975 TO 1987

[**In millions of dollars.** Based on a survey of all known producers of these products except the very small firms (generally less than 10 employees). Includes approximately 740 companies. For details, see source]

Product code	PRODUCT DESCRIPTION	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
35731	Electronic computers	2,123	6,908	8,077	10,786	11,356	12,702	17,063	19,293	20,026	23,262
35732	Peripheral equipment	3,732	8,976	11,730	14,015	14,853	16,749	19,299	18,253	19,866	18,465
35734(pt)	Parts and attachments [1]	1,622	3,782	4,513	4,298	7,008	7,519	9,992	9,128	8,897	8,125
35743	Accounting machines and cash registers	259	636	709	767	901	1,026	1,129	903	879	872
35793	Duplicating machines	103	248	199	193	156	170	188	157	169	202
35795	Mailing, letter-handling, etc	172	313	361	405	387	508	562	596	769	764

[1] For electronic computers and peripheral equipment, produced by complete machine manufactures.

Source: U.S. Bureau of the Census, *Current Industrial Reports,* series MA35R(85)-1.

No. 1307. Computer Shipments and Revenues: 1982 to 1987

[Revenue is in if-sold, end-user dollars]

ITEM	Unit	1982	1983	1984	1985	1986	1987
Computer outlays, total [1]	Bil. dol	21.6	29.8	30.0	42.7	44.8	50.0
Percent change	Percent	34.2	38.0	30.9	9.5	5.0	11.5
Mainframe computers, units shipped [2]	1,000	2.1	2.3	2.4	2.4	2.4	2.6
Revenues	Bil. dol	7.0	8.0	8.8	8.7	8.8	9.6
Super minicomputers, units shipped [3]	1,000	4.6	5.2	6.4	7.4	8.2	8.9
Revenues	Bil. dol	3.0	3.3	3.7	3.9	4.4	4.9
Departmental computers, units shipped [4]	1,000	64.5	75.6	90.1	106.8	113.7	127.7
Revenues	Bil. dol	5.7	7.0	8.1	9.1	10.1	9.1
Multiuser microcomputers [5]	1,000	106.9	146.4	196.7	210.4	218.1	246.3
Revenues	Bil. dol	2.0	2.8	3.7	4.0	4.0	4.5
Engineering and technical systems shipped [6]	1,000	.6	3.3	7.5	19.1	35.1	62.0
Revenues	Bil. dol	-	.1	.4	.8	1.2	1.5
Personal computers shipped [7]	1,000	2,587	6,186	7,740	6,386	7,026	8,668
Revenues	Bil. dol	3.9	8.6	14.3	16.2	16.3	20.4
Local area network sales	Mil. dol	62.5	150.0	326.0	593.0	913.0	1,535.0
Number of connections [8]	1,000	77.9	150.0	340.0	690.0	1,100.0	1,802.0

- Represents zero. [1] Shipments into the U.S. market from any manufacturing country. [2] Units costing more than $1.5 million. [3] Units costing $250,000 to $1.5 million. [4] Units costing $25,000 to $250,000. [5] Units priced below $25,000. [6] Single-user systems for technical and engineering applications, excluding CAD/CAM workstations from turnkey vendors. [7] Units costing less than $10,000. [8] Number of new connections of devices, including terminals, computers, and workstations.

Source: Dataquest Inc., San Jose, CA, *Consolidated Data Base*, April 1988.

No. 1308. Domestic Personal Computer Sales and Use: 1981 to 1987

[In mil. units, except as indicated]

ITEM	1981	1982	1983	1984	1985	1986	1987
Personal computers (PC's) sold	1.11	3.53	6.90	7.61	6.75	7.04	8.34
Value (mil. dol.)	3,143	5,925	9,779	14,269	17,077	18,888	23,458
Personal computers in use, total [1]	**2.12**	**5.53**	**12.17**	**19.18**	**25.27**	**31.15**	**37.75**
Workplace	1.24	2.26	4.00	6.44	9.26	12.22	15.82
Business: 1-49 employees	.30	.55	.99	1.71	2.57	3.47	4.55
50-999 employees	.24	.44	.77	1.26	1.82	2.46	3.25
Over 999 employees	.47	.88	1.61	2.65	3.73	4.82	6.14
Government	.24	.40	.62	.82	1.14	1.47	1.88
Education	.13	.27	.54	.78	1.15	1.55	1.96
Kindergarten through grade 12	.10	.21	.40	.59	.87	1.17	1.48
College/university	.03	.06	.14	.20	.28	.38	.49
Homes	.75	3.00	7.64	11.95	14.86	17.38	19.97
Personal computer-related equipment in use:							
Impact printers	.72	1.90	4.25	8.70	12.80	17.21	22.49
Nonimpact printers	.02	.10	.31	.68	1.19	1.83	2.76
Plotters	.02	.06	.12	.22	.39	.61	.88
Monochrome monitors	.97	2.24	4.68	7.00	9.74	12.56	15.59
Color monitors	.13	.48	1.20	2.98	5.01	7.73	11.68
Modems	.18	.53	1.41	3.00	4.66	6.55	8.91
Add-in-boards [2]	2.41	5.68	11.43	19.36	29.62	41.22	56.17
PC hardware maintenance (mil. dol.) [3]	76	166	279	568	951	1,061	1,750

[1] Excluding multiuser personal computers. [2] Excluding add-in modem boards. [3] Excluding education and home.

Source: Future Computing/Datapro, Inc., Dallas, TX, unpublished data.

No. 1309. Telecommunications Revenue: 1981 to 1987

[In millions of dollars]

ITEM	1981	1982	1983	1984	1985	1986	1987
Total	**105,839**	**118,932**	**126,770**	**124,860**	**135,701**	**143,344**	**153,830**
Public markets	98,229	110,644	117,696	114,266	124,357	131,361	140,838
Transmission equipment [1]	1,587	1,788	2,188	2,425	2,712	2,991	3,072
Switching equipment [2]	333	809	1,286	2,218	3,221	3,373	3,438
Public services [3]	96,309	108,047	114,095	109,154	117,622	123,760	131,905
Cellular mobile radio [4]	-	-	127	469	802	1,238	2,422
On-premises markets	7,610	8,288	9,074	10,595	11,344	11,984	12,992
Terminal equipment [5]	1,567	1,683	1,857	2,216	2,571	2,676	2,865
Data communications equipment [6]	904	1,121	1,810	2,194	2,493	2,841	2,913
Local area network connections	28	62	150	326	593	913	1,535
Switching equipment [7]	6,280	6,857	6,766	7,443	7,298	7,202	7,009
Attached network functions [8]	131	164	232	291	463	559	763

- Represents zero. [1] Includes multiplex, carrier, microwave radio, and satellite earth station equipment. [2] Includes central office, OCC, and private packet switching equipment. [3] Includes local and long distance telephone services, and public data network services. [4] Includes cellular telephone equipment and cellular network services. [5] Includes single-line telephone equipment and integrated V/D work-stations, and facsimile equipment. [6] Includes data network control systems, and modem, statistical and T-1 multiplexer, front-end processor, and DSU/CSU equipment. [7] Includes data PBX systems, key, PBX, and centrex telephone systems, and automatic call distributors. [8] Includes call accounting equipment, and voice messaging and video teleconferencing systems.

Source: Dataquest Inc., San Jose, CA, *Consolidated Data Base*, April 1988.

No. 1310. Semiconductors and Related Devices: 1980 to 1987

[In million of dollars, except percent. Semiconductors and related devices represent SIC 3674]

ITEM	1980	1981	1982	1983	1984	1985	1986
SEMICONDUCTORS [1]							
Sales	6,053	6,529	6,970	9,092	13,006	9,420	[illegible]
Capital expenditures (North America)	1,438	1,348	1,210	1,452	3,039	2,072	1,580
Percent of sales	22.6	20.7	17.4	16.0	23.4	22.0	15.9
Japanese capital expenditures as a percent of revenues	17.2	15.9	16.5	21.5	43.0	40.0	16.0
R&D (North America)	563	777	885	1,092	1,724	1,786	1,970
SEMICONDUCTOR IMPORTS [2]							
Imports, total	**2,223**	**3,346**	**3,895**	**4,523**	**6,899**	**4,870**	**5,044**
Integrated circuits, monolithic	1,790	2,838	3,365	3,977	5,980	4,237	4,205
Linear (367410 10)	224	325	388	482	715	576	596
Bipolar, transistor-transistor logic (367410 20)	351	375	513	715	1,055	653	712
Bipolar, emitter coupled logic (367410 30)	60	47	71	70	114	60	70
Not bipolar, metal oxide silicon (367410 40)	932	1,801	2,085	2,368	3,619	2,598	2,418
Integrated circuits, NSPF (367410 50)	224	290	309	343	457	350	409
Integrated circuits, other than monolithic (367410 60)	119	100	96	98	95	128	254
Transistors	193	259	260	248	332	242	279
Less than 1 watt (367420 20)	116	129	125	114	136	90	111
With l watt or greater (367420 40)	77	130	135	134	196	152	168
Diodes and rectifiers	121	149	174	200	312	263	306
Diodes and rectifiers, photo sensitive (36749c 10)	9	21	22	24	39	39	47
Diodes, zener (36749c 20)	11	15	15	19	36	29	34
Diodes and rectifiers, microwave (36749c 30)	1	2	3	3	3	3	5
Thyristors (36749c 40)	27	43	39	46	60	42	44
Diodes and rectifiers, NSPF [3] (36749c 50)	73	68	95	108	174	150	176
SEMICONDUCTORS AND RELATED DEVICES							
Shipments	9,455	10,369	11,215	12,801	17,819	15,253	14,930
Integrated microcircuits	6,768	6,793	7.298	8,647	13,484	10,872	10,925
Transistors	607	633	596	602	797	681	697
Diodes and rectifiers	514	636	506	572	686	700	672
Semiconductor devices, n.e.c.[4]	1,398	2,092	2,335	2,484	2,543	2,569	2,303
Semiconductors and related devices	168	215	480	496	309	431	332
Assets, beginning of year	4,014	5,547	6,953	8,400	9,789	12,200	(NA)
New capital expenditures	1,596	1,493	1,614	1,832	2,818	2,832	(NA)
Used capital expenditures	40	21	37	65	96	390	(NA)
Retirements	230	358	423	562	543	896	(NA)
Assets, end of year	5,420	6,703	8,181	9,735	12,159	14,526	(NA)
Depreciation charges	601	786	841	1,014	1,309	1,512	(NA)
Rental payments	74	110	121	147	173	184	(NA)

NA Not available. [1] Source: Dataquest Inc., San Jose, CA, *Consolidated Data Base*, April 1988. [2] Imports for consum tion by SIC group. Includes imports not shown separately. [3] NSPF = Not specifically provided for. [4] N.e.c. = Not elsewh classified.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-36Q; *U.S. Imports, FT 210 S Based Products*, annual; and *Annual Survey of Manufacturers*.

No. 1311. Microcontrollers and Chip Shipments: 1982 to 1987

ITEM	Unit	1982	1983	1984	1985	1986
Microcontrollers, worldwide:						
Units, number	Mil. units	212.4	262.6	357.0	340.8	490.3
8-bit	Mil. units	54.1	90.6	163.5	163.6	218.0
4-bit	Mil. units	158.2	171.9	193.4	177.0	271.9
16-bit	Mil. units	.05	.09	.06	.23	.40
Revenue	Mil. dol	427.0	526.3	1,406.7	1,114.3	1,392.2
8-bit	Mil. dol	173.2	267.3	930.3	728.0	830.6
4-bit	Mil. dol	253.0	257.9	475.8	382.3	554.7
16-bit	Mil. dol	.9	1.1	.7	4.0	7.0
32-bit processor:						
Units, number:						
RISC [1]	Mil. units	(NA)	(NA)	(NA)	.005	.017
CISC [2]	Mil. units	(NA)	(NA)	.010	.095	.453
Revenue	Mil. dol	(NA)	(NA)	3.0	19.0	88.0
RISC [1]	Mil. dol	(NA)	(NA)	(NA)	3.0	4.0
CISC [2]	Mil. dol	(NA)	(NA)	3.0	16.0	84.0
256K RAM [3] chips	Mil. units	1.0	18.0	200.0	297.9	620.0
Price	Dollars	100.00	50.00	25.00	3.65	2.31
1-Megabit chips	Mil. units	(NA)	(NA)	(NA)	-	4.3
Price	Dollars	(NA)	(NA)	(NA)	182.50	31.11

- Represents zero. NA Not available. [1] RISC = Reduced [illegible]truction Set Computer. [2] CISC = Complex Instruction S Computer. [3] RAM = Random Access Memory.

Soruce: Dataquest, Inc., San Jose, CA, *Consolidated Data Base*, April 1988.

No. 1312. COMPUTERS AND INDUSTRIAL ELECTRONIC EQUIPMENT—SHIPMENTS, BY TYPE: 1975 TO 1987

[In millions of dollars]

TYPE OF EQUIPMENT	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total [1]	**13,457**	**25,990**	**32,851**	**39,539**	**47,835**	**54,855**	**58,067**	**69,576**	**70,065**	**68,390**	**73,320**
Computer and peripheral equipment	7,478	15,111	19,666	24,320	29,099	33,286	37,131	46,486	47,629	46,384	50,100
Computers	2,123	5,248	6,908	8,077	10,786	11,356	12,702	17,063	19,292	19,526	21,700
Peripheral equipment [1]	3,732	7,116	8,976	11,730	14,015	14,922	16,910	19,430	19,209	17,679	18,975
Auxiliary storage equipment	937	2,472	3,090	3,956	4,724	4,067	4,318	5,424	5,494	5,331	5,775
Serial access storage	387	723	667	743	777	812	772	891	1,111	918	950
Magnetic storage media:											
Disks: Rigid	(2)	98	141	217	235	739	1,054	1,017	822	772	800
Flexible (floppy)	(2)	74	138	212	277	458	690	562	454	369	350
Computer tape, cassette, etc.	260	47	53	115	108	80	204	251	395	459	530
Computer terminals:											
General purpose:											
Single CRT	413	685	1,303	2,035	1,892	2,138	2,080	1,985	1,052	729	750
Teleprinters	277	332	360	491	638	605	573	441	214	186	205
Special purpose, including graphic	103	196	267	325	553	707	1,019	1,194	930	1,056	1,110
Parts for electronic computers	479	1,288	1,586	1,503	1,652	3,201	3,586	5,469	4,509	4,986	5,000
Parts for peripheral equipment	1,144	1,459	2,196	3,010	2,646	3,807	3,933	4,523	4,819	4,193	4,425
Controlling, processing equipment	2,492	4,092	4,856	5,627	6,717	6,523	6,186	7,294	7,410	7,406	7,600
Testing, measuring equipment	1,552	2,483	3,125	3,584	4,144	4,695	5,200	6,279	6,008	5,602	5,900
Medical electronic equipment	829	2,189	2,481	2,703	3,380	4,402	4,845	5,148	5,028	5,183	5,700
Nuclear electronic equipment	292	427	419	384	447	546	490	480	519	533	570

[1] Includes other types of equipment not shown separately. [2] Combined with "Computer tape, cassette, cartridge, drum, etc."

No. 1313. FACTORY SALES OF CONSUMER ELECTRONIC PRODUCTS, BY TYPE: 1975 TO 1987

[In millions of dollars. Includes imports]

PRODUCT	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**5,224**	**9,107**	**9,359**	**10,891**	**12,453**	**12,516**	**14,575**	**17,774**	**19,955**	**22,052**	**21,870**
Color TV receivers	2,268	3,674	3,685	4,210	4,349	4,253	5,002	5,538	5,562	6,024	6,271
Video cassette recorders	34	326	389	621	1,127	1,303	2,162	3,585	4,738	5,258	5,093
Car audio [1]	355	582	623	1,368	2,000	2,100	1,900	2,500	3,000	3,500	3,800
Separate audio components	652	1,143	1,178	1,424	1,363	1,181	1,268	913	1,132	1,358	1,400
Portable audio tape equipment [2]	653	1,649	1,739	1,403	1,157	971	1,102	1,191	1,140	1,389	1,431
Audio systems [3]	474	748	748	809	720	573	630	976	1,372	1,370	1,048
Blank video cassettes	(NA)	(NA)	(NA)	(NA)	(NA)	357	580	931	1,285	1,480	1,188
Home radios	372	436	436	468	501	530	565	661	379	408	409
Monochrome TV receivers	416	549	561	588	505	507	465	419	309	328	287
Color cameras	(NA)	(NA)	(NA)	(NA)	147	232	303	355	228	59	35
Projection TV	(NA)	(NA)	(NA)	(NA)	287	236	268	385	488	529	527
Blank audio cassettes	(NA)	(NA)	(NA)	(NA)	242	219	249	275	277	304	326
Video disc players	(NA)	(NA)	(NA)	(NA)	55	54	81	45	45	45	55

NA Not available. [1] Prior to 1980, data reflects factory installed products only. [2] Prior to 1980, data includes some tape equipment other than portable. [3] Prior to 1981, data include console phonographs.

Source of tables 1312 and 1313: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

No. 1314. MACHINERY (EXCEPT ELECTRICAL)—INDUSTRY SUMMARY: 1977 TO 1986

SIC [1] code	INDUSTRY	1977			1982				1986		
		Employees		Value of shipments (mil. dol.)	Employees		Value of shipments (mil. dol.)	New capital expenditures (mil. dol.)	Employees		Value of shipments (mil. dol.)
		Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)	
35	**Total**	**2,083**	**30,558**	**122,188**	**2,189**	**46,911**	**187,896**	**8,537**	**1,863**	**49,645**	**208,529**
351	Engines and turbines	130	2,238	10,426	112	2,850	13,040	728	90	2,925	14,116
352	Farm and garden machinery	151	2,197	11,857	114	2,386	13,108	392	79	1,814	10,392
353	Constr. and related machinery	333	5,097	23,682	326	7,332	32,038	1,578	209	5,535	25,935
354	Metalworking machinery	298	4,514	13,283	283	6,086	18,150	713	253	6,624	20,476
355	Special industry machinery	185	2,616	9,128	183	3,748	13,128	393	158	4,141	14,926
356	General industrial machinery	313	4,451	16,542	314	6,493	24,459	904	258	6,534	24,751
357	Office and comput. machines	259	3,949	16,842	404	9,437	43,028	2,648	363	11,414	58,830
358	Refrig. and service machinery	192	2,516	12,416	172	3,344	16,450	415	180	4,381	21,118
359	Miscellaneous machinery, except electrical	223	2,980	8,012	282	5,235	14,497	767	273	6,277	17,985

[1] Standard Industrial Classification.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, and *Annual Survey of Manufactures*.

No. 1315. Electric and Electronic Equipment—Industry Summary: 1977 to 1986

SIC[1] code	INDUSTRY	1977			1982				1986	
		Employees		Value of shipments (mil. dol.)	Employees		Value of shipments (mil. dol.)	New capital expenditures (mil. dol.)	Employees	
		Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)
36	**Total**	**1,723**	**22,544**	**86,433**	**1,915**	**38,414**	**147,944**	**7,542**	**1,941**	**49,214**
361	Electric distributing equipment	115	1,431	5,772	105	1,995	8,108	220	90	2,019
362	Electrical industrial apparatus	198	2,543	9,591	191	3,706	13,825	680	171	4,022
363	Household appliances	162	1,898	10,737	129	2,223	12,644	305	123	2,674
364	Electric lighting and wiring equipment	165	1,925	8,357	159	2,718	12,048	340	161	3,474
365	Radio and TV receiving equipment	98	1,097	6,913	68	1,154	7,833	141	59	1,368
366	Communication equipment	459	6,995	22,744	601	13,979	46,426	2,298	666	19,699
367	Electronic components and accessories	374	4,557	15,390	516	9,770	34,517	3,013	517	12,306
369	Miscellaneous electrical equipment and supplies	152	2,098	8,930	147	2,869	12,544	510	155	3,651

[1] Standard Industrial Classification.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, and *Annual Survey of Manufactures.*

No. 1316. Electronic Computing Equipment Industry—Summary: 1975 to 1986

[**In millions of dollars, except as indicated.** Data for the noncensus years (all years except 1977 and 1982) are based on sample surveys and are therefore subject to sampling errors. Included in SIC 3573. See source for further detail]

ITEM	1975	1977	1979	1980	1981	1982	1983	1984	1985	1986
Employment, total (1,000)	162.5	192.7	273.9	304.6	320.7	337.9	354.4	373.7	355.5	315.0
Salaries and wages	2,292	3,004	4,777	5,916	6,951	8,053	9,130	10,471	10,669	10,051
Production workers (1,000)	73.8	85.5	122.0	134.7	136.0	140.9	150.1	157.7	133.4	114.2
Work-hours (million)	145.9	172.4	243.8	268.7	263.0	274.5	298.2	309.6	262.0	225.6
Workers wages	731	978	1,546	1,875	2,116	2,352	2,695	3,026	2,726	2,418
Value added	4,960	7,624	12,465	14,717	17,746	19,598	20,878	25,868	23,418	24,303
Supplemental labor cost	343	528	904	1,097	1,296	1,605	1,834	2,110	2,110	1,987
Cost of materials	3,705	5,701	9,985	12,787	14,774	17,481	21,418	29,379	30,834	27,350
Value of shipments	8,560	12,924	21,466	26,594	32,032	36,767	41,977	53,524	55,315	[illegible]
New capital expenditures	292	652	1,317	1,706	2,125	2,381	2,341	3,037	3,140	2,210
Inventories	2,264	3,008	5,524	6,879	7,863	8,446	9,085	11,719	10,320	[illegible]
Assets, total	2,232	3,042	5,196	6,790	8,451	10,250	12,169	14,074	15,814	(NA)
Rents, total	82	112	204	251	292	356	434	499	585	(NA)
Ratio of—										
Cost of materials to value of shipments	.433	.441	.485	.481	.461	.476	.510	.549	.557	.520
Value added to value of shipments	.548	.590	.581	.553	.554	.533	.497	.483	.423	.482
Value added to work-hours	32.15	44.22	51.13	54.77	67.48	71.40	70.01	83.55	89.38	107.73

NA Not available.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982*, and *Annual Survey of Manufactures*

No. 1317. Electronic Components and Accessories Industry—Summary: 1975 to 1986

[**In millions of dollars, except as indicated.** Included in SIC 367. See headnote, table 1316]

ITEM	1975	1977	1979	1980	1981	1982	1983	1984	1985	1986
Employment, total (1,000)	302.3	373.5	467.6	498.6	503.5	515.8	515.0	582.3	558.1	517.0
Salaries and wages	3,358	4,557	6,461	7,780	8,664	9,770	10,605	12,648	12,352	12,306
Production workers (1,000)	197.6	257.9	324.5	336.6	325.5	324.8	329.0	374.7	345.2	313.0
Work-hours (million)	389.3	508.7	635.2	650.1	631.3	626.3	642.4	736.7	667.0	613.0
Workers wages	1,705	2,457	3,484	4,050	4,366	4,645	5,015	6,018	5,808	5,546
Value added	5,954	9,260	14,213	16,902	18,537	21,214	23,610	30,427	26,388	25,861
Supplemental labor cost	536	811	1,232	1,497	1,723	2,065	2,294	2,752	2,639	[illegible]
Cost of materials	3,984	6,390	9,206	11,434	12,159	13,584	13,912	18,190	16,414	15,843
Value of shipments	10,089	15,390	22,708	27,647	30,421	34,517	37,194	47,963	42,921	[illegible]
New capital expenditures	536	783	1,591	2,616	2,459	3,013	2,897	4,410	4,495	3,410
Inventories	2,050	2,773	4,376	5,388	5,745	6,436	6,841	8,037	7,621	7,827
Assets, total	4,868	6,026	8,142	10,615	12,567	15,489	17,609	21,699	25,123	(NA)
Rents, total	108	107	145	189	247	284	315	373	391	(NA)
Ratio of—										
Cost of materials to value of shipments	.395	.415	.405	.414	.400	.394	.374	.379	.382	.377
Value added to value of shipments	.593	.602	.627	.611	.609	.615	.635	.634	.614	.616
Value added to work-hours	15.37	18.20	22.38	26.00	29.36	33.87	36.75	41.30	39.53	42.17

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982*, and *Annual Survey of Manufactures*

No. 1318. Factory Sales of Electronic Components by Type: 1975 to 1987

[In millions of dollars]

TYPE OF COMPONENT	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	**9,286**	**13,518**	**17,076**	**21,334**	**25,571**	**28,784**	**29,561**	**33,856**	**43,306**	**39,457**	**37,113**	**40,245**
Solid state products	2,580	4,363	5,511	7,201	9,089	10,309	10,729	12,570	17,032	14,650	13,932	15,740
Parts	2,593	3,534	4,313	6,030	7,060	7,647	7,403	8,318	10,155	9,329	8,840	9,379
Connectors	734	986	1,286	1,674	2,018	2,203	2,148	2,586	3,200	2,901	2,877	2,990
Wire and cable	(¹)	(¹)	(¹)	789	1,068	1,176	1,304	1,386	1,613	1,475	1,448	1,520
Capacitors	470	744	897	1,050	1,299	1,297	1,169	1,277	1,619	1,198	1,218	1,382
Coils and transformers	489	560	654	776	852	952	842	966	1,055	1,179	977	1,035
Resistors [2]	447	477	504	647	653	636	583	636	698	587	586	658
Relays	(NA)	174	177	199	243	245	282	296	552	631	570	580
Switches	141	182	303	386	349	377	446	512	548	577	510	530
Quartz crystals	209	197	227	201	277	413	266	257	340	336	245	260
Filters	71	81	99	126	121	124	142	167	232	178	174	185
Passive networks	32	61	82	111	118	139	138	153	226	193	159	168
TV and FM antennas, parts	(¹)	72	84	91	84	85	83	60	72	72	76	71
Electron tubes	1,071	1,276	1,426	1,554	1,744	1,959	1,885	2,049	2,137	2,055	2,125	2,176
Receiving tubes	152	144	134	105	91	100	76	62	36	32	30	26
Power, special purpose	420	519	585	682	738	858	925	1,007	1,059	1,061	1,067	1,119
TV tubes	499	613	707	767	915	1,001	884	980	1,042	962	1,028	1,029
Other components [3]	3,042	4,345	5,826	6,549	7,658	8,869	9,544	10,919	13,982	13,423	12,216	12,950

NA Not available. [1] Included in "Other components." [2] U.S. consumption. [3] Includes sockets, delay lines, loudspeakers, magnetic components, transducers, printed circuit boards, microwave components, assemblies, and parts.

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual. (Copyright.)

No. 1319. Transportation Equipment—Value of Shipments: 1975 to 1986

[In millions of dollars. "N.e.c." means not elsewhere classified]

TYPE OF EQUIPMENT	1975	1977	1980	1981	1982	1983	1984	1985	1986
Aircraft [1]	10,881	12,053	23,386	25,109	24,235	26,377	24,978	34,977	38,184
Aircraft engines and engine parts	4,488	4,995	10,010	11,556	11,641	11,516	12,641	15,390	18,214
Aircraft equipment, n.e.c	4,842	5,762	9,946	10,509	10,789	13,171	15,227	15,692	17,905
Boat building and repairing	1,290	1,822	2,129	2,249	2,307	2,594	3,322	3,496	4,049
Motor homes built on purchased chassis	(NA)	1,495	836	1,169	1,036	1,693	1,911	1,872	1,887
Motor vehicles and car bodies	43,394	72,979	61,428	60,457	66,706	90,935	112,358	122,327	125,870
Motor vehicle parts and accessories	23,023	37,842	35,627	40,215	38,414	46,776	55,805	57,931	57,394
Motorcycles, bicycles, and parts	705	847	1,160	1,160	1,143	1,151	1,263	1,044	1,032
Railroad equipment	3,885	4,002	7,173	4,597	2,879	1,946	2,671	2,736	2,613
Ship building and repairing [2]	5,513	6,270	8,889	10,690	10,655	9,342	9,483	9,358	8,840

NA Not available. [1] See table 1051 for number of civil aircraft shipments. [2] Value of work done.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, and *1982*, and *Annual Survey of Manufactures.*

No. 1320. Home Appliances and Home Auto Electronics—Imports: 1984 to 1987

ITEM	NUMBER (1,000)				RETAIL VALUE ($1,000)			
	1984	1985	1986	1987	1984	1985	1986	1987
Major appliances:								
Freezers	96	35	198	167	21,973	4,129	42,400	43,074
Microwave ovens	4,471	12,681	8,787	8,724	559,142	775,578	769,169	674,290
Refrigerator/freezer combination	1,072	1,213	1,545	1,708	94,955	105,383	120,540	139,574
Audio:								
Antennas, CB	632	696	1,019	575	3,315	3,102	5,702	2,832
Antennas, radio	9,745	9,844	11,583	8,229	52,203	46,182	63,465	38,386
Audio frequency elec. amplifiers	3,628	4,519	4,384	5,497	188,879	263,473	248,356	282,867
Headphones [1]	30,199	26,395	25,682	52,860	119,357	101,976	104,697	142,932
Loudspeakers	44,290	64,237	71,165	124,569	278,226	365,889	391,394	301,514
Microphones	2,249	2,175	5,924	18,172	25,240	26,925	34,596	47,133
Radios, total	49,625	47,156	43,282	43,679	696,278	814,802	716,393	773,281
Auto transistors	539	2,941	2,826	2,323	30,665	208,783	183,406	159,367
Clock transistor	15,571	13,031	13,996	12,856	196,932	156,914	138,661	122,040
AM transistor (not battery)	867	695	532	541	15,195	26,706	26,619	19,774
AM transistor (battery)	5,784	4,854	3,073	2,492	30,326	25,238	10,006	8,335
FM AM/FM multi-band transistor radios (not battery)	3,007	3,358	2,656	2,871	192,642	190,007	172,715	253,222
FM AM/FM multi-band transistor radios (battery operated)	23,857	22,277	20,199	22,596	230,516	205,154	184,986	210,543
Radio/phone combination [2]	49	56	46	123	2,334	3,668	7,942	25,832
Radio/phone/tape player combination	426	1,795	1,132	718	29,611	118,272	74,611	42,529
Record changers, auto	175	285	15	15	3,500	14,305	2,837	3,919
Stereo phonos	247	354	51	108	14,990	18,653	4,306	6,660
Video:								
Antennas, TV	8,855	6,532	4,412	4,325	12,536	8,525	6,427	6,363
TV, black and white	5,340	4,188	5,314	4,404	283,386	215,205	250,711	217,311
TV, color	6,368	8,146	9,447	6,272	1,022,740	965,200	1,375,935	908,840
Videotape recorders	9,387	16,765	18,216	19,840	2,862,407	4,304,000	4,543,425	2,984,039
Home video camera, B and W	119	196	233	328	38,503	52,044	77,535	79,221
Home video camera, color	730	690	327	144	395,429	367,384	263,851	135,975
Picture tubes, B and W and color	1,226	2,359	2,895	1,248	63,423	103,999	132,306	86,283

[1] Electric sound amplifier sets. [2] Includes consoles.

Source: Dealerscope Merchandising, Philadelphia, PA, *Merchandising*, 66th Annual Statistical and Marketing Report.

NO. 1321. HOME APPLIANCES AND HOME AND AUTO ELECTRONICS—SHIPMENTS AND RETAIL V
1983 TO 1987

[Compiled from report of associations and manufacturers. Retail value represents median price of product times the num units shipped. Except as indicated, covers electric appliances only]

PRODUCT	MANUFACTURES SHIPMENTS (1,000 units)					RETAIL VALUE (mil. dol)			
	1983	1984	1985	1986	1987	1983	1984	1985	1986
Major appliances	**34,421**	**41,370**	**43,963**	**48,092**	**50,739**	**14,439**	**16,906**	**17,537**	**18,453**
Air treatment	2,462	3,736	3,712	3,555	4,638	966	1,495	1,491	1,328
Air conditioners	1,829	2,929	2,900	2,765	3,659	805	1,294	1,286	1,130
Dehumidifiers	437	587	586	553	706	80	107	106	90
Air cleaners, electronic	196	220	226	237	271	82	95	99	106
Kitchen appliances:									
Refrigerators [1]	5,255	5,731	5,874	6,284	6,724	3,607	4,001	4,121	4,299
Microwave ovens	6,006	9,020	10,633	12,658	12,741	2,585	3,362	3,468	3,600
Ranges, electric	2,839	3,164	3,218	3,532	3,618	1,299	1,477	1,517	1,589
Dishwashers	3,054	3,428	3,512	3,874	3,974	1,205	1,368	1,416	1,541
Freezers [2]	1,166	1,114	1,140	1,154	1,180	568	545	546	517
Ranges, gas	1,578	1,736	1,807	1,896	2,132	695	785	821	880
Disposers	3,514	4,052	4,068	4,196	4,175	395	466	469	494
Home laundry	7,426	8,195	8,626	9,544	10,064	3,034	3,414	3,556	3,831
Dryers	3,111	3,484	3,701	4,114	4,421	1,102	1,259	1,326	1,451
Washers	4,315	4,711	4,925	5,430	5,643	1,932	2,154	2,231	2,379
Compact appliances [3]	1,259	1,325	1,512	1,400	1,493	334	356	399	374
Video	**24,584**	**29,021**	**33,393**	**37,131**	**37,751**	**10,360**	**12,041**	(NA)	**15,111**
TV, color	13,939	15,946	16,894	18,855	19,774	6,695	7,297	7,250	7,632
Videocassette recorders	4,020	7,143	11,912	12,685	12,304	2,303	3,444	(NA)	5,067
TV, black and white	5,761	5,068	3,745	3,730	3,506	614	518	367	364
Camcorders	(NA)	(NA)	(NA)	1,090	1,438	(NA)	(NA)	(NA)	1,213
TV projection	142	192	261	315	295	285	347	437	664
Video cameras	410	484	402	181	110	358	380	266	118
Video cassette players	(NA)	(NA)	(NA)	150	182	(NA)	(NA)	(NA)	28
Videodisc players	312	188	179	125	142	106	55	51	25
Audio/HiFi	**74,244**	**72,295**	**73,157**	**81,103**	**82,245**	**4,846**	**4,807**	**4,983**	**5,542**
Components [4]	8,599	8,378	8,800	10,914	11,270	1,518	1,510	1,653	2,041
Amps, pre-amps, tuners	581	549	537	597	609	167	153	151	166
Compact disc players	45	200	850	1,384	1,675	33	104	264	356
Speakers	3,237	3,302	3,345	3,789	3,971	452	465	474	535
Receivers	1,550	1,553	1,533	1,843	1,957	390	391	394	483
Turntables	2,120	1,696	1,442	1,565	1,382	280	213	172	187
Tape decks	880	890	908	1,506	1,458	172	161	176	284
Portable tape equipment	26,422	27,109	27,526	30,635	30,753	1,421	1,320	1,333	1,449
Racked systems	540	810	877	954	917	358	492	528	560
Radios	28,188	27,391	27,528	29,896	30,678	863	823	808	845
Compact systems	1,912	1,933	2,112	2,484	2,554	439	414	433	421
Headphones	2,809	3,090	3,167	3,425	3,534	125	134	134	140
Cartridges	3,774	3,585	3,047	2,795	2,539	122	114	94	86
Mobile electronics	**22,237**	**23,963**	**24,719**	**26,490**	**28,514**	**2,028**	**2,361**	**2,309**	**3,111**
Autosound [4]	19,935	21,299	21,763	21,625	22,981	1,793	1,936	1,987	2,022
UD [5] cassette player	694	615	554	466	423	59	45	38	30
UD [5] cassette/radio combo	519	426	371	303	274	59	40	31	24
ID [5] cassette/radio combo	3,641	3,932	4,030	3,989	4,053	676	754	789	814
Radios only	975	932	867	757	687	104	94	81	65
Car speakers (in pairs)	13,427	14,635	15,162	15,010	16,241	834	936	979	942
Radar detectors	710	942	1,227	1,688	1,834	110	137	187	263
Citizen band radios	1,592	1,637	1,729	1,884	1,997	125	126	135	148
Cellular telephones	(NA)	65	(NA)	265	331	(NA)	162	(NA)	423
Auto security systems	(NA)	(NA)	(NA)	1,028	1,371	(NA)	(NA)	(NA)	257
Home office	**35,745**	**37,050**	**38,041**	**39,339**	**42,727**	**1,034**	**1,100**	**1,115**	**6,240**
Calculators	30,895	31,400	33,166	31,318	33,827	925	946	930	727
Electronic typewriters	350	650	850	2,038	2,186	109	154	185	446
Personal computers	4,500	5,000	4,025	3,075	3,598	(NA)	(NA)	(NA)	2,983
Monitors	(NA)	(NA)	(NA)	950	998	(NA)	(NA)	(NA)	190
Printers	(NA)	(NA)	(NA)	1,568	1,599	(NA)	(NA)	(NA)	1,071
Personal copiers	(NA)	(NA)	(NA)	269	291	(NA)	(NA)	(NA)	239
Facsimile machines	(NA)	(NA)	(NA)	181	228	(NA)	(NA)	(NA)	584
Electronic furniture	**5,168**	**5,920**	**6,260**	**6,673**	**6,779**	**668**	**830**	**930**	**1,028**
Specialty radios	**8,107**	**8,279**	**8,186**	**8,154**	**8,408**	(NA)	(NA)	(NA)	477
Satellite earth stations	(NA)	**450**	**630**	**255**	**252**	(NA)	**1,310**	**1,386**	813
Software:									
Audio:									
Blank audiocassettes	251,855	260,969	266,168	268,500	327,570	587	585	570	451
Video:									
Blank videotape	61,690	98,353	156,088	[4] 276,438	[4] 280,551	725	925	1,132	[4] 1,161
Beta	15,870	25,392	27,897	34,795	29,576	175	224	210	145
VHS	45,820	72,961	128,191	240,643	249,475	550	700	923	1,003
Pre-recorded videotape	9,606	19,690	43,100	[4] 65,441	[4] 69,183	521	963	1,913	[4] 2,416
Beta	2,633	4,922	7,430	6,707	5,947	131	221	301	248
VHS	6,973	14,768	35,670	58,234	62,701	389	742	1,613	2,160
Blank floppy disks	193,000	241,250	205,063	425,000	545,403	(NA)	(NA)	(NA)	680
Telephone equipment:									
Corded telephones	15,058	22,930	22,403	23,768	24,046	1,168	894	983	1,006
Cordless telephones	4,468	5,500	4,076	4,279	4,841	610	598	380	410
Telephone answering equipment	2,094	2,628	3,306	4,856	5,555	264	298	371	536

NA Not available. [1] 6.5 cu. ft. and over. [2] 10 cu. ft. and over. [3] Refrigerators, freezers, washers, and dryers. [4] Includes others not shown separately. [5] UD=under dash, ID=in dash.

Source: Dealerscope Merchandising, Philadelphia, PA, *Merchandising*, 66th Annual Statistical and Marketing Report.

Section 28

Domestic Trade and Services

This section presents statistics relating to the distributive trades and service industries. Data shown for the trades, classified by kind of business, and for the various categories of services (e.g., personal, business, repair, hotel) cover sales or receipts, establishments, employees, payrolls, and other items. Also included are data for franchised businesses.

The principal sources of these data are census reports and survey reports of the Bureau of the Census. Data on gross product in trade and service industries appear in the monthly *Survey of Current Business,* issued by the U.S. Bureau of Economic Analysis. Financial data for firms engaged in retail, wholesale, or service activities appear in the annual *Statistics of Income,* published by the Internal Revenue Service.

Censuses.—Censuses of retail trade, wholesale trade, and the service industries have been taken at various intervals since 1929. Beginning with the 1967 Census, legislation provides for a census to be conducted every 5 years (for years ending in "2" and "7").

The establishments covered in the censuses and surveys of business are those classified in 3 divisions defined in the *Standard Industrial Classification Manual, 1972* (see text, section 13). *Retail trade* refers to places of business primarily engaged in selling merchandise for personal or household consumption; *wholesale trade,* to establishments primarily engaged in selling goods to dealers and distributors for resale or to purchasers who buy for business and farm uses; and *services,* to establishments primarily engaged in providing a wide range of services for individuals and for businesses.

Data from the 1958 Census of Retail Trade exclude nonemployer establishments which had annual receipts of less than $2,500. Beginning with the 1963 censuses, nonemployer establishments which did not operate the entire year were included if, during the period they operated, their receipts were at a rate which would have reached specified annual totals had they operated the entire year. Beginning with the 1972 Census of Retail Trade, nonemployer establishments are included if, on an annual basis, they reported sales volume of at least $1,000. The Census of Wholesale Trade excludes establishments with no paid employees. Beginning in 1977, sales taxes and finance charges are excluded in sales (or receipt) figures of the three censuses.

In 1977 the Census of Service Industries included for the first time health services (except dental laboratories), educational services, social services, membership organizations, and others performing a professional or scientific service (except engineering, architectural, and surveying services). Religious organizations and private households were not covered. While most of these industries were again included in the 1982 census, some were not. In 1982, data were not collected for hospitals, elementary and secondary schools, colleges and universities, labor unions and similar organizations, and political organizations. Also in 1977, tax-exempt service industries were covered for the first time.

The Census of Retail Trade beginning in 1977, excludes nonemployer direct sellers. In 1982, the census treated each leased department in a store as a separate establishment and classified it according to the kind-of-business it conducted. In prior years, data for leased departments were consolidated with the data for stores in which they were located.

In the retail and service censuses prior to 1982, combined data for all establishments (nonemployer firms plus establishments of employer firms) were presented for selected kind-of-business classifications. In 1982 these data could not be published by kind-of-business because many nonemployer firms were miscoded by the Internal Revenue Service (IRS) into miscellaneous categories rather than specific kind-of-business. For retail trade and services, total establishment summary data are available but kind-of-business detail are available only on a national level from the Bureau.

Current surveys.—Current sample surveys conducted by the Bureau of the Census cover various aspects of the retail and wholesale trade and selected service industries. Its *Monthly Retail Trade Report* contains monthly estimates of sales, inventories, and sales of organizations operating 11 or more retail stores (see table 1330), for the United States, by kind of business. In addition, monthly retail sales data for census regions and divisions, large States, metropolitan areas, cities are included. Annual figures on sales, yearend inventories, and sales/inventory ratios, by of business, appear in the *Annual Retail Trade Report*.

Statistics from the Bureau's monthly wholesale trade survey include national estimates of chant wholesalers' sales, inventories, and stock-sales ratios by major summary groups—du and nondurable—and selected kinds of businesses. Merchant wholesalers are those whole who take title to the goods they sell (e.g., jobbers, exporters, importers, major distributors). T data, based on reports submitted by a sample of firms, appear in the *Monthly Wholesale T Report*. Annual figures on sales, sales-inventory ratios, and yearend inventories appear in *Annual Wholesale Trade Report*.

The *Service Annual Survey* provides annual estimates of receipts for selected service estab ments for the United States as a whole.

For the current sample survey programs, retail trade coverage is the same as for the cen wholesale trade coverage is limited to merchant wholesalers; and selected services coverage less inclusive than the census.

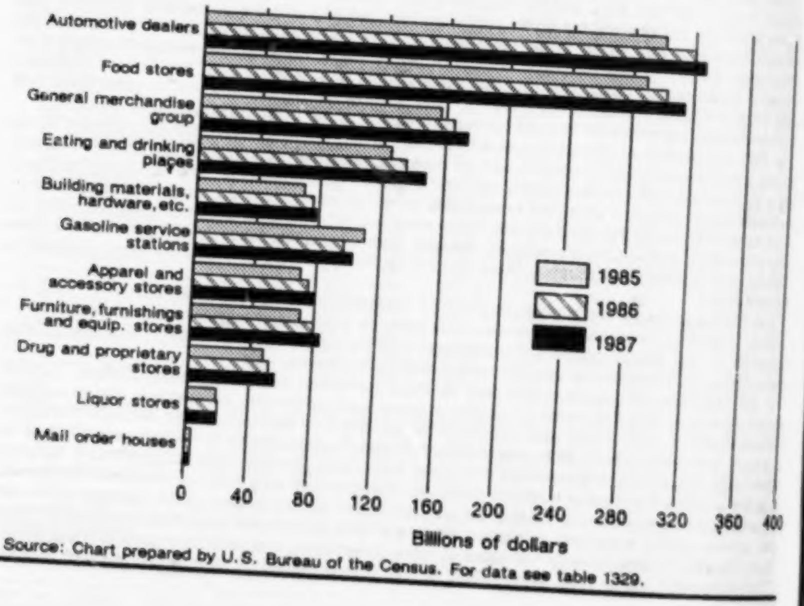
Estimates obtained from annual and monthly surveys are based on sample data and are not pected to agree exactly with results that would be obtained from a complete census of all est lishments. Data include estimates for establishments not reporting.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling pro dures, and measures of statistical reliability applicable to Census Bureau data, see Appendix cal Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Histo*

Figure 28.1

Retail Store Sales by Kind of Business: 1985 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1329.

NO. 1322. GROSS NATIONAL PRODUCT IN DOMESTIC TRADE AND SERVICE INDUSTRIES IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1987

[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
CURRENT DOLLARS										
Wholesale and retail trade	**168.7**	**273.7**	**438.9**	**483.1**	**506.5**	**542.9**	**613.9**	**658.2**	**698.4**	**740.4**
Percent of gross national product	16.6	17.1	16.1	15.8	16.0	15.9	16.3	16.4	16.5	16.4
Wholesale trade	68.2	117.5	193.9	214.0	219.0	226.5	263.1	280.8	294.8	313.0
Retail trade	100.5	156.2	245.0	269.1	287.5	316.4	350.8	377.4	403.6	427.4
Services	**120.2**	**199.8**	**374.0**	**422.6**	**463.6**	**515.5**	**580.2**	**648.1**	**716.3**	**793.5**
Percent of gross national product	11.8	12.5	13.7	13.8	14.6	15.1	15.4	16.1	16.9	17.5
Hotels and other lodging places	6.3	10.1	18.9	20.4	21.7	24.3	27.0	30.4	32.7	35.8
Personal services	9.3	11.4	18.6	19.5	21.3	23.1	25.0	29.7	32.2	34.4
Business services	18.0	30.6	68.8	79.9	90.7	104.8	125.3	145.8	161.6	179.3
Auto repair, services, and garages	6.3	11.2	21.1	23.1	23.5	26.1	29.2	33.2	36.1	38.9
Miscellaneous repair services	2.7	4.6	9.2	9.2	9.6	10.8	12.8	12.4	13.4	13.9
Motion pictures	2.3	3.1	5.0	5.5	6.3	6.6	7.3	9.0	9.5	10.7
Amusement and recreation services	4.8	7.7	12.4	14.0	15.1	16.8	17.8	19.9	21.8	24.0
Health services	31.4	57.8	108.1	124.7	142.0	156.1	169.0	184.6	199.1	223.7
Legal services	7.3	12.5	23.3	25.9	30.6	35.0	41.6	46.3	53.7	62.3
Educational services	7.1	11.4	16.0	17.5	19.1	21.0	23.5	25.8	27.2	29.6
Social services and membership organizations	10.0	15.9	26.3	28.4	30.5	32.8	35.7	38.3	41.7	45.3
Miscellaneous professional services	10.3	18.8	39.6	47.5	45.7	49.9	56.9	63.6	78.3	86.4
Private households	4.5	4.6	6.6	7.0	7.6	8.2	8.9	9.0	9.1	9.2
CONSTANT (1982) DOLLARS										
Wholesale and retail trade	**367.6**	**433.1**	**500.4**	**507.3**	**506.5**	**529.0**	**578.9**	**610.3**	**642.9**	**660.0**
Percent of gross national product	15.2	16.1	15.7	15.6	16.0	16.1	16.5	16.9	17.3	17.2
Wholesale trade	152.0	185.6	213.5	218.4	219.0	222.0	250.6	268.5	282.7	291.7
Retail trade	215.6	247.5	286.9	288.9	287.5	307.0	328.3	341.8	360.2	368.3
Services	**295.7**	**352.4**	**442.6**	**462.5**	**463.6**	**486.6**	**514.0**	**546.4**	**578.9**	**610.8**
Percent of gross national product	12.2	13.1	13.9	14.2	14.6	14.8	14.7	15.1	15.6	15.9
Hotels and other lodging places	17.1	19.2	22.6	22.3	21.7	22.5	22.9	23.5	23.4	24.3
Personal services	22.9	21.1	22.2	21.0	21.3	21.8	22.4	25.4	26.4	27.1
Business services	47.5	57.1	84.0	88.5	90.7	100.0	111.0	120.8	129.8	139.7
Auto repair, services, and garages	14.9	19.2	24.4	24.5	23.5	25.2	27.3	30.1	31.7	32.9
Miscellaneous repair services	5.9	7.4	8.8	9.7	9.6	9.7	10.2	10.3	10.1	10.2
Motion pictures	4.8	5.2	5.7	5.8	6.3	6.2	6.3	7.5	7.7	7.6
Amusement and recreation services	9.2	11.3	13.7	14.7	15.1	16.1	16.4	17.9	18.9	20.3
Health services	77.8	103.5	129.4	137.7	142.0	146.7	153.1	158.9	165.7	176.9
Legal services	23.2	24.7	28.9	30.6	30.6	31.6	32.8	35.0	36.3	37.9
Educational services	14.6	16.8	18.1	18.6	19.1	19.8	20.6	21.5	21.6	22.4
Social services and membership organizations	22.1	25.7	30.2	30.5	30.5	31.1	32.3	33.3	34.7	35.9
Miscellaneous professional services	24.4	33.0	47.1	51.3	45.7	47.7	48.9	53.6	63.8	66.7
Private households	11.3	8.2	7.4	7.3	7.6	8.1	8.8	8.8	8.8	8.8

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 1323. PERSONS WORKING IN DOMESTIC TRADE AND SERVICE INDUSTRIES: 1970 TO 1987

[In thousands. Data represent worker-years of full-time equivalent employment by persons working for wages or salaries and number of active partners and proprietors of unincorporated businesses who devote a majority of their working hours to their unincorporated businesses. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Wholesale and retail	**14,889**	**16,500**	**19,395**	**19,604**	**19,419**	**19,815**	**21,038**	**21,747**	**22,215**	**22,941**
Wholesale trade	4,123	4,521	5,396	5,522	5,409	5,409	5,697	5,804	5,838	5,998
Retail trade	10,766	11,979	13,999	14,082	14,010	14,406	15,341	15,943	16,377	16,943
Services	**13,380**	**15,650**	**19,526**	**20,230**	**20,729**	**21,571**	**22,895**	**23,939**	**24,807**	**26,107**
Hotels and other lodging places	1,003	1,117	1,261	1,310	1,340	1,382	1,481	1,571	1,602	1,670
Personal services	1,341	1,182	1,330	1,337	1,334	1,379	1,443	1,503	1,528	1,595
Business services	1,668	2,054	3,077	3,251	3,345	3,703	4,273	4,650	5,010	5,483
Auto repair, services, garages	506	638	836	865	909	927	1,022	1,090	1,129	1,156
Miscellaneous repair services	316	399	475	519	515	523	546	565	544	546
Motion pictures	181	217	249	268	266	274	280	283	296	304
Amusement, recreation services	402	520	683	695	702	717	747	751	764	789
Health services	2,905	4,114	5,218	5,461	5,677	5,821	5,972	6,142	6,356	6,647
Legal services	401	501	690	732	786	830	863	921	952	1,048
Educational services	1,001	1,151	1,241	1,277	1,311	1,360	1,414	1,470	1,480	1,532
Social services and membership organizations	1,756	2,025	2,361	2,373	2,382	2,470	2,546	2,607	2,722	2,856
Miscellaneous professional services	746	939	1,348	1,402	1,435	1,447	1,541	1,633	1,671	1,741
Private households	1,154	793	755	740	727	738	766	753	753	740

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 1324. RETAIL TRADE—SUMMARY: 1954 TO 1982

[Prior to 1958 and as noted, excludes Alaska and Hawaii. 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47 and T 79-91]

ITEM	Unit	1954	1958	1963	1967	1972	1977	1982
Firms, total	1,000	(NA)	(NA)	1,532	1,577	1,665	1,567	1,573
Multiunit establishments [1]	1,000	167	[2] 183	220	220	301	343	415
Establishments, total	1,000	1,722	1,795	1,708	1,763	1,780	1,855	1,923
With payroll	1,000	1,124	1,185	1,206	1,192	1,265	1,304	1,330
With sales of $1,000,000 or more	1,000	(NA)	(NA)	(NA)	(NA)	74	119	193
Consumer Price Index: [3]								
All items	1982-84=100	26.9	28.9	30.6	33.4	41.8	60.6	96.5
All commodities	1982-84=100	31.6	33.3	34.4	36.8	44.5	64.2	97.0
Sales	Bil. dol	170.0	200.4	244.2	310.2	457.4	723.1	1,065.9
By establishments with payroll	Bil. dol	157.9	187.8	233.1	295.2	440.2	699.6	1,039.0
By multiunit establishments [1]	Bil. dol	51.2	[2] 67.2	89.5	123.5	201.8	340.7	568.7
Percent of total sales	Percent	30.1	33.5	36.6	39.8	44.0	47.1	53.2
Percent of multiunit sales by 101-or-more establishment multiunits [1] [4]	Percent	41.8	42.4	43.1	46.7	55.8	55.8	54.5
In 1982 dollars [5]	Bil. dol	(NA)	(NA)	645.0	763.9	943.3	1,054.2	1,065.9
Percent of sales by corporations	Percent	48.4	53.0	61.9	67.4	76.4	79.8	84.6
Per capita sales: [6]								
Current dollars	Dollars	1,055	1,156	1,296	1,571	2,186	3,291	4,599
Constant (1982) dollars [5]	Dollars	(NA)	(NA)	3,423	3,869	4,508	4,798	4,599
Sales as percent of personal income	Percent	58.6	[2] 55.5	52.4	49.3	48.1	46.9	41.5
Sales, inside SMSAs [7]	Bil. dol	(NA)	[2] 133.0	169.8	221.4	(NA)	551.8	845.0
Percent of total sales	Percent	(NA)	66.4	69.5	71.4	(NA)	76.3	79.3
Payroll, entire year	Bil. dol	18.2	21.7	27.6	36.2	55.4	85.9	123.6
Percent of sales	Percent	11.5	[2] 11.5	11.3	11.7	12.1	11.9	11.6
Paid employees, March 12 workweek [8]	1,000	7,124	7,942	8,410	9,381	11,211	13,040	14,468

NA Not available. [1] Establishments operated by firms which operate at two or more locations. Beginning 1982, includes single units operated by multiunit establishments. 1972 and 1977 data revised since originally published. [2] Excludes Alaska and Hawaii. [3] Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*. For 1982, CPI-U, see text, section 14. [4] For 1982, data provided for percent of multiunit sales by 100-or-more establishment units. [5] Based on implicit price deflators for retail sales supplied by U.S. Bureau of Economic Analysis. [6] Based on estimated resident population as of July 1. [7] For definition of SMSA, see Appendix II. [8] 1954-1963 data for week including November 15.

Source: Except as noted, U.S. Bureau of the Census, *U.S. Census of Business: 1954*, vol. I; *1958*, vol. I; *1963*, vol. I; *1967*, vol. I; and *Census of Retail Trade, 1972*, RC 72-S-1, *1977*, RC 77-52 and *1982*, RC 82-A-52 and RC 82-I-1.

NO. 1325. RETAIL TRADE ESTABLISHMENTS—NUMBER, SALES, AND EMPLOYEES, BY KIND OF BUSINESS: 1977 AND 1982

[Data for 1977 are adjusted for comparable treatment of leased departments between 1977 and 1982. Each kind-of-business classification includes leased departments classified in that kind of business as if they were separate establishments. See *Historical Statistics, Colonial Times to 1970*, series T 79-196 for similar but not comparable data]

KIND OF BUSINESS	ESTABLISHMENTS (1,000)		SALES (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES [1] (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Retail trade, total	**1,870.4**	**1,923.2**	**720,459**	**1,065,917**	**85,417**	**123,619**	**12,968**	**14,468**
Building materials, hardware, garden supply, and mobile home dealers [2]	90.6	88.5	38,914	50,993	4,372	6,221	471	504
Building materials, supply stores	40.6	40.1	27,123	35,144	2,993	4,179	294	307
General merchandise group stores [2]	48.9	44.7	87,825	120,414	11,906	14,822	1,885	1,830
Department stores (incl. leased depts.) [3]	8.8	10.0	76,909	107,163	10,743	(NA)	1,644	(NA)
Department stores (excl. leased depts.) [3]	8.8	10.0	71,053	99,170	9,966	12,495	1,519	1,515
Food stores [2]	252.9	241.7	158,444	246,121	14,777	23,530	1,964	2,348
Grocery stores	179.0	168.0	148,116	230,696	13,370	21,364	1,604	2,031
Automotive dealers [2]	139.7	129.3	150,130	193,515	13,338	16,882	1,119	1,051
Motor vehicle dealers:								
New and used cars	30.8	27.2	121,828	154,726	10,274	12,309	790	698
Used cars only	37.0	34.6	6,945	8,207	374	450	42	38
Auto and home supply stores	47.7	48.8	13,095	21,156	1,968	3,223	210	245
Gasoline service stations	177.6	135.5	56,638	97,440	3,834	4,768	673	604
Apparel and accessory stores [2]	147.8	159.0	37,164	57,816	5,207	7,565	866	979
Women's clothing and specialty stores and furriers	55.1	58.8	13,629	22,264	1,902	2,758	353	397
Family clothing stores	21.6	23.7	7,972	13,660	1,033	1,671	183	219
Shoe stores	33.4	38.4	7,058	11,419	969	1,571	148	189
Furniture, home furnishings, and equipment stores	139.1	131.7	33,315	46,761	4,583	6,287	515	540
Radio, television, and music stores	38.6	35.2	8,180	13,813	1,023	1,662	124	146
Eating and drinking places [2]	369.0	381.7	63,371	104,592	15,437	25,708	3,765	4,666
Eating places	275.2	301.7	55,670	95,091	14,040	23,987	3,431	4,341
Drug and proprietary stores	50.3	52.0	23,381	36,440	3,154	4,605	463	496
Miscellaneous retail stores [2]	454.7	559.0	71,279	111,824	8,810	13,232	1,246	1,438
Liquor stores	44.6	41.5	13,031	18,146	916	1,310	148	167
Fuel and ice dealers	20.3	15.7	10,168	17,059	1,026	1,405	101	95

NA Not available. [1] For pay period including March 12. [2] Includes other kinds of businesses, not shown separately. [3] Includes sales from catalog order desks.

Source: U.S. Bureau of the Census, *1982 Census of Retail Trade*, RC82-A-52 (change sheet, June 1985).

No. 1326. RETAIL TRADE—ESTABLISHMENTS, EMPLOYEES, AND PAYROLL: 1980 TO 1986

[Excludes government employees, railroad employees, self employed persons, etc. For statement on methodology, see Appendix III]

C¹ de	KIND OF BUSINESS	ESTABLISHMENTS (1,000)			EMPLOYEES (1,000)			Payroll, 1986 (bil. dol.)
		1980	1985	1986	1980	1985	1986	
(G)	**Retail trade, total**	**1,222.9**	**1,406.8**	**1,441.2**	**15,047**	**16,852**	**17,550**	**193**
52	Building materials and garden supplies ²	62.4	66.5	69.6	535	585	626	9
521	Lumber and other building materials	24.2	26.3	26.9	269	322	347	6
523	Paint, glass, and wallpaper stores	8.6	9.3	9.5	44	46	49	1
525	Hardware stores	18.4	19.5	19.4	129	134	143	2
526	Retail nurseries and garden stores	6.3	8.5	8.8	43	56	61	1
53	General merchandise stores ²	36.9	35.3	36.0	1,965	1,942	1,954	19
531	Department stores	9.2	10.0	10.3	1,591	1,615	1,630	16
533	Variety stores	12.4	10.7	10.5	195	153	144	1
539	Misc. general merchandise stores	14.9	13.8	14.2	178	170	174	2
54	Food stores ²	157.6	182.7	187.4	2,225	2,595	2,723	29
541	Grocery stores	115.0	130.3	133.1	1,917	2,241	2,358	26
546	Retail bakeries	15.7	19.0	19.9	149	174	176	1
55	Automotive dealers and service stations ²	202.3	200.9	201.6	1,745	1,856	1,930	34
551	New and used car dealers	27.2	26.1	26.2	793	839	884	21
553	Auto and home supply stores	35.2	41.2	41.9	225	264	271	4
554	Gasoline service stations	116.9	105.8	103.9	601	609	614	6
56	Apparel and accessory stores ²	124.6	139.3	141.8	944	1,034	1,081	10
561	Men's and boys' clothing and furnishings	18.1	15.9	15.4	140	118	117	1
562	Women's ready-to-wear stores	40.0	44.4	45.1	350	387	414	3
565	Family clothing stores	14.5	16.6	15.8	184	221	228	2
566	Shoe stores	32.5	37.3	37.4	178	194	195	2
57	Furniture and home furnishings stores ²	84.4	98.0	101.4	577	631	668	10
571	Furniture and home furnishings stores	50.4	54.3	55.5	362	363	376	6
712	Furniture stores	29.1	29.3	29.7	238	225	230	4
572	Household appliance stores	10.0	9.8	10.1	65	63	66	1
732	Radio and television stores	14.3	23.2	24.0	88	140	153	2
58	Eating and drinking places ²	282.5	351.3	362.8	4,492	5,302	5,577	38
812	Eating places	217.3	281.4	289.5	4,053	4,879	5,087	34
813	Drinking places	54.0	52.6	50.2	319	277	266	2
59	Miscellaneous retail ²	260.3	317.8	327.2	1,914	2,133	2,205	26
591	Drug stores and proprietary stores	46.8	50.7	50.9	498	539	542	6
592	Liquor stores	26.7	32.5	32.4	140	154	153	1
941	Sporting goods and bicycle shops	15.8	18.3	18.8	96	104	109	1
944	Jewelry stores	20.2	23.4	24.5	140	133	136	2
947	Gift, novelty, and souvenir stores	16.5	23.0	23.4	84	120	123	1
961	Mail order houses	6.4	7.1	6.2	134	114	111	2
992	Florists	18.8	23.5	24.4	99	114	121	1
	Administrative and auxiliary	11.9	13.0	13.1	650	775	785	18

¹ Standard Industrial Classification; see text, section 13. ² Includes industries not shown separately.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 1327. LARGEST RETAILING COMPANIES—SALES, ASSETS, NET INCOME, AND EMPLOYEES, BY SALES GROUP: 1980 TO 1986

ales, assets, and net income in billions of dollars; employees in thousands; except percent. Excludes large privately owned companies that do not publish sales. Includes all reported data for fiscal years ending not later than January following year stated]

RANK BY SALES GROUP	SALES¹			ASSETS²			NET INCOME³			EMPLOYEES⁴		
	1980	1985	1986	1980	1985	1986	1980	1985	1986	1980	1985	1986
0 largest	**200.8**	**319.3**	**325.6**	**96.3**	**195.0**	**188.4**	**3.9**	**7.6**	**7.8**	**3,240**	**3,887**	**3,763**
Top 10	109.3	168.4	179.9	56.0	114.8	122.2	1.9	3.4	3.9	1,614	1,821	1,950
11th-20th	40.6	63.4	66.7	16.4	34.0	23.6	.5	1.3	1.6	591	720	859
21st-30th	23.8	41.8	38.0	12.3	25.5	24.7	.7	1.5	1.2	569	784	551
31st-40th	15.7	26.7	23.7	7.3	12.5	9.8	.5	.6	.5	324	317	199
41st-50th	11.5	19.1	17.3	4.3	8.2	8.1	.3	.8	.3	143	245	205
ercent of total:												
Top 10	54.4	52.7	55.3	58.2	58.9	64.9	48.7	44.3	51.3	49.8	46.8	51.8
11th-20th	20.2	19.9	20.5	17.0	17.4	12.5	12.3	17.0	21.1	18.2	18.5	22.8
21st-30th	11.8	13.1	11.7	12.7	13.1	13.1	18.5	20.2	15.8	17.6	20.2	14.6
31st-40th	7.8	8.4	7.3	7.6	6.4	5.2	13.8	8.3	6.6	10.0	8.1	5.3
41st-50th	5.7	6.0	5.3	4.5	4.2	4.3	6.8	10.2	3.9	4.4	6.3	5.4

¹ Includes sales of subsidiaries when they are consolidated and sales from discontinued operations. ² Total assets employed business at end of fiscal year. ³ After taxes, and extraordinary charges and credits. ⁴ As of year end, or yearly average.

Source: Time, Inc., New York, NY, adapted from *The Fortune Directories*. (Copyright.)

No. 1328. Retail Trade Sales—Summary: 1970 to 1987

[Data reflect use of a new sample of retail stores, based on kind-of-business classifications from the 1982 Census of Retail Trade, which was selected and implemented during 1986. Sales and inventory estimates from the old sample were converted to a level comparable with the new sample. Sales and inventories for leased departments and concessions are tabulated in the kind-of-business category of the leased department or concession. Based on Current Business Survey, see Appendix III. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series T 245, 246, and 255]

YEAR	CURRENT DOLLARS							CONSTANT (1982) dollars[4]		
	Total sales (bil. dol.)	Annual percent change[1]	Per capita[2] (dol.)	Index of sales (1982=100)	Durable goods (bil. dol.)	Nondurable goods (bil. dol.)		Total sales (bil. dol.)	Annual percent change[1]	Per capita[2] (dol.)
						Total	Dept. stores[3]			
1970	375.2	6.4	1,839	35.1	114.8	280.3	37.4	822.7	2.5	4,033
1971	414.2	10.4	2,002	38.7	135.4	278.8	41.8	874.7	6.3	4,229
1972	458.5	10.7	2,191	42.9	156.3	302.2	45.9	945.6	8.1	4,518
1973	511.9	11.6	2,422	47.9	177.2	334.7	51.0	990.7	4.8	4,687
1974	542.0	5.9	2,541	50.7	172.9	369.1	53.8	937.4	-5.4	4,394
1975	588.1	8.5	2,730	55.0	185.9	402.2	57.5	944.0	.7	4,381
1976	656.4	11.6	3,017	61.4	220.4	436.0	63.5	1,007.2	6.7	4,629
1977	722.5	10.1	3,288	67.6	249.4	473.1	71.1	1,053.3	4.6	4,793
1978	804.2	11.3	3,621	75.2	281.4	522.7	78.0	1,096.0	4.1	4,935
1979	896.8	11.5	3,993	83.9	307.5	589.2	82.5	1,112.8	1.5	4,955
1980	957.3	6.8	4,212	89.5	300.2	657.1	86.2	1,073.3	-3.5	4,723
1981	1,038.7	8.5	4,523	97.1	326.2	712.4	95.8	1,077.4	.4	4,682
1982	1,069.3	2.9	4,609	100.0	338.0	731.2	99.2	1,069.3	-.8	4,609
1983	1,168.4	9.3	4,987	109.3	391.0	777.4	112.0	1,147.1	7.3	4,896
1984	1,282.6	9.8	5,424	119.9	454.0	828.6	123.8	1,226.5	6.9	5,187
1985	1,367.3	6.6	5,727	127.9	497.0	870.3	129.4	1,278.8	4.3	5,357
1986	1,437.5	5.1	5,962	134.4	538.6	898.9	137.2	1,350.3	5.6	5,601
1987	1,510.6	5.1	6,206	141.3	559.1	951.5	146.5	1,359.2	.7	5,584

[1] Change from immediate prior year. [2] Based on Bureau of the Census estimates of resident population as of July 1. [3] Excludes leased departments. [4] Based on implicit price deflators for retail sales supplied by U.S. Bureau of Economic Analysis.

Source: U.S. Bureau of the Census, *Current Business Reports, Revised Monthly Retail Sales and Inventories, January 1978 through December 1987*, (BR-13-87S) and unpublished data.

No. 1329. Retail Trade—Sales, by Kind of Business: 1970 to 1987

[In **billions of dollars.** Based on 1972 Standard Industrial Classification. See headnote, table 1328. Based on Current Business Survey, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 245-271]

SIC[1] code	KIND OF BUSINESS	1970	1975	1980	1982	1983	1984	1985	1986	1987
	Retail trade, total	**375.2**	**588.1**	**957.3**	**1,069.3**	**1,168.4**	**1,282.6**	**1,367.3**	**1,437.5**	**1,510.6**
	Durable goods stores, total[2]	**114.8**	**185.9**	**300.2**	**338.0**	**391.0**	**454.0**	**497.0**	**538.6**	**559.1**
55 exc. 554	Automotive dealers	65.2	107.3	164.7	193.5	229.2	271.2	299.5	320.3	326.9
551,2,5,6,7,9	Motor vehicle, misc. automotive dealers	59.2	97.3	146.2	172.4	206.9	247.7	273.6	294.4	299.8
551,2	Motor vehicle dealers	57.2	89.5	137.7	162.9	197.0	234.1	258.7	277.7	280.3
551	Motor vehicle dealers, franchised	54.3	84.9	130.5	154.7	187.0	224.2	248.7	266.0	267.1
553	Auto and home supply stores	6.0	10.1	18.5	21.2	22.3	23.6	25.9	25.9	27.0
52	Building materials, hardware, garden supply, mobile home dealers[2]	18.1	27.3	50.8	51.0	58.5	66.6	70.4	75.8	78.0
521,3	Building materials, supply stores	11.3	17.9	35.0	35.1	40.8	46.1	49.1	54.1	57.9
525	Hardware stores	3.0	5.2	8.3	8.7	9.5	11.0	11.6	12.3	14.1
57	Furniture, home furnishings, equipment[2]	17.0	27.0	44.2	46.8	55.3	63.0	71.3	80.3	84.1
571	Furniture, home furnishings stores	10.4	16.5	26.3	27.1	31.1	35.2	37.6	41.9	44.2
5722,32	Household appliance, radio, TV	5.6	8.2	14.0	15.8	20.1	23.7	29.2	33.3	34.5
	Nondurable goods stores, total[2]	**280.3**	**402.2**	**657.1**	**731.2**	**777.4**	**828.6**	**870.3**	**898.9**	**951.5**
56	Apparel and accessory stores[2]	22.1	32.4	50.4	57.8	60.0	64.0	69.6	74.8	79.1
561	Men's, boys' clothing, furnishings	4.5	6.6	7.7	7.8	8.0	8.4	8.7	9.0	9.0
562,3,8	Women's clothing, specialty stores, furriers	8.2	12.4	18.7	22.3	22.0	24.2	26.9	29.7	31.2
562	Women's ready-to-wear stores	7.1	11.4	17.0	20.4	20.1	21.6	24.3	26.7	28.2
565	Family clothing stores	4.4	6.7	10.8	13.7	15.1	15.8	16.8	17.8	19.5
566	Shoe stores	4.5	5.8	10.5	11.4	11.8	12.1	12.7	13.4	14.6
591	Drug and proprietary stores	14.6	20.0	31.0	36.4	40.8	44.5	47.9	51.6	56.0
58	Eating and drinking places	30.5	51.1	90.1	104.6	112.5	119.6	125.1	135.3	147.6
5812	Eating places	25.5	44.4	80.4	95.1	102.7	109.4	114.2	123.6	135.1
54	Food stores	90.0	138.7	220.2	246.1	257.1	274.2	288.6	301.8	314.3
541	Grocery stores	82.6	129.1	205.6	230.7	241.1	258.0	271.9	284.1	296.1
554	Gasoline service stations	28.9	47.6	94.1	97.4	101.8	105.2	109.6	97.3	103.2
53	General merchandise group stores	49.1	73.7	106.6	120.4	135.1	148.7	155.9	165.1	175.9
531	Department stores[3]	37.4	57.5	86.2	99.2	112.0	123.8	129.4	137.2	146.5
533	Variety stores	6.1	7.9	7.8	8.2	8.6	9.1	9.1	8.3	8.4
539	Misc. gen. merchandise group stores[4]	5.7	8.3	12.6	13.0	14.5	15.8	17.3	19.6	20.9
592	Liquor stores	8.4	11.9	16.9	18.1	19.1	18.1	19.3	19.6	19.5
596	Non-store retailers	9.1	13.4	22.8	23.8	24.3	25.7	25.0	25.7	26.5
5961 pt.	Mail-order houses (department store merchandise)	1.8	2.8	4.3	4.3	4.3	4.8	4.2	3.7	3.6

[1] Standard Industrial Classification; see text, section 13. [2] Includes kinds of business, not shown separately. [3] Excludes leased departments. [4] Includes catalog showroom stores.

Source: U.S. Bureau of the Census, *Current Business Reports, Revised Monthly Retail Sales and Inventories, January 1978 through December 1987*, (BR-13-87S) and unpublished data.

No. 1330. Retail Trade—Sales of Multiunit Organizations, by Kind of Business: 1980 to 1987

Data based on sales of companies which had 11 or more retail establishments according to the most recent update of multiestablishment files selected with certainty (i.e., their sales size exceeded specified dollar volume cutoffs which varied by kind of business). For details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 197-219]

SIC[1] code	KIND OF BUSINESS	SALES (bil. dol.)						PERCENT OF TOTAL RETAIL SALES		
		1980	1983	1984	1985	1986	1987	1980	1985	1987
	Total sales	**357.2**	**448.4**	**485.5**	**512.0**	**534.1**	**569.1**	**37.3**	**37.4**	**37.7**
	Durable goods stores	**34.2**	**45.1**	**51.3**	**55.2**	**59.8**	**67.7**	**11.4**	**11.1**	**12.1**
553	Auto and home supply stores	4.7	5.1	5.4	6.0	6.7	7.2	26.2	23.3	26.6
	Nondurable goods stores[2]	**322.9**	**403.3**	**434.1**	**456.8**	**474.4**	**501.4**	**49.1**	**52.5**	**52.7**
56	Apparel and accessory stores[2]	21.1	29.2	31.8	35.4	39.0	42.4	42.7	50.9	53.6
562,3,8	Women's ready-to-wear, accessory and fur	8.3	10.9	12.0	14.0	15.8	17.1	47.1	52.0	54.8
566	Shoe stores	5.3	6.8	7.1	7.5	8.3	8.9	50.8	59.2	60.9
591	Drug and proprietary stores	16.8	23.6	26.6	28.4	30.0	32.9	54.3	59.4	58.7
54	Food stores	119.8	146.0	155.3	164.3	171.1	179.6	54.4	56.9	57.2
541	Grocery stores	118.1	143.6	152.9	161.6	168.3	176.9	57.4	59.4	59.7
53	General merchandise group	98.5	124.9	137.8	144.2	153.1	162.3	90.6	92.5	92.3
531	Department stores	85.0	108.3	119.8	125.3	133.1	142.1	96.1	96.8	97.0
533	Variety stores	6.3	7.1	7.5	7.5	6.6	6.7	80.9	82.9	79.7
539	Misc. general merchandise group stores	7.3	9.5	10.5	11.3	13.3	13.5	58.1	65.3	64.4
5812	Eating places	22.6	29.3	31.5	32.8	35.0	37.5	28.1	26.7	27.7

[1] Standard Industrial Classification; see text, section 13. [2] Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Revised Monthly Retail Sales and Inventories, January 978 through December 1987*, (BR-13-87S).

No. 1331. Retail Trade—Merchandise Inventories and Sales-Inventory Ratios, by Kind of Business: 1980 to 1987

[As of **Dec. 31.** Includes warehouses. See headnote, table 1328]

SIC[1] code	KIND OF BUSINESS	INVENTORIES AT COST[2] (bil. dol.)				SALES-INVENTORY RATIOS[3]			
		1980	1985	1986	1987	1980	1985	1986	1987
	Total	**117.8**	**176.2**	**180.5**	**205.1**	**8.1**	**7.8**	**8.0**	7.4
	Total (excluding automotive dealers)	**92.1**	**130.3**	**135.0**	**147.4**	**8.6**	**8.2**	**8.3**	**8.0**
	Durable goods stores[4]	**55.5**	**87.8**	**89.8**	**106.7**	**5.4**	**5.7**	**6.0**	**5.2**
5 exc. 554	Automotive dealers	25.8	45.9	45.5	57.7	6.4	6.5	7.0	5.7
51,2,5,6,7,9	Motor vehicle and misc. automotive dealers	22.1	41.1	40.8	52.9	6.6	6.7	7.2	5.7
551,2	Motor vehicle dealers	19.8	37.4	36.9	(NA)	7.0	6.9	7.5	(NA)
551	Motor vehicle dealers (franchised)	19.0	36.0	35.2	(NA)	6.9	6.9	7.5	(NA)
553	Automotive and home supply stores	3.6	4.8	4.8	4.9	5.1	5.4	5.4	5.7
52	Building materials, hardware, garden supplies, mobile home dealers	9.3	13.0	13.3	14.5	5.5	5.4	5.7	5.4
521,3,5	Building materials, supply, hardware stores	7.9	11.2	11.7	(NA)	5.5	5.4	5.7	(NA)
521,3	Building materials and supply stores	5.7	8.1	8.4	(NA)	6.1	6.0	6.4	(NA)
525	Hardware stores	2.2	3.1	3.2	(NA)	3.8	3.8	3.8	(NA)
57	Furniture, home furnishings, equipment stores[4]	9.1	14.3	15.2	16.9	4.9	5.0	5.3	5.0
571	Furniture, home furnishings	5.2	7.0	7.3	(NA)	5.0	5.4	5.7	(NA)
5712	Furniture stores	3.9	4.8	5.0	(NA)	4.6	4.9	5.1	(NA)
5722,32	Household appliance, radio, TV	2.8	6.1	6.5	(NA)	5.0	4.8	5.2	(NA)
5722	Household appliance stores	1.0	1.5	1.8	(NA)	5.7	5.9	5.8	(NA)
5944	Jewelry stores	3.6	4.4	4.5	(NA)	2.3	2.4	2.5	(NA)
	Nondurable goods stores[4]	**62.4**	**88.4**	**90.7**	**98.4**	**10.5**	**9.8**	**9.9**	**9.7**
56	Apparel and accessory stores[4]	10.6	14.5	14.6	17.5	4.8	4.8	5.1	4.5
561	Men's, boys' clothing, furnishings	1.9	2.2	2.2	(NA)	4.0	4.0	4.2	(NA)
562	Women's ready-to-wear stores	2.5	3.9	4.1	(NA)	6.4	6.2	6.5	(NA)
565	Family clothing stores	2.3	3.4	3.5	(NA)	4.8	4.8	5.1	(NA)
566	Shoe stores	2.8	3.1	3.1	(NA)	3.8	4.1	4.3	(NA)
591	Drug and proprietary stores	5.6	8.8	9.8	10.2	5.6	5.4	5.3	5.5
58	Eating and drinking places	2.0	3.3	3.5	(NA)	44.2	37.7	38.4	(NA)
54	Food stores	13.6	19.7	20.0	20.6	16.2	14.7	15.1	15.3
541	Grocery stores	13.0	18.9	19.2	19.7	15.8	14.4	14.8	15.0
554	Gasoline service stations	3.0	3.4	3.0	3.1	31.7	32.3	32.4	33.1
53	General merchandise group stores	20.4	30.6	31.3	33.4	5.2	5.1	5.3	5.3
531,9	Dept. stores, misc. general merchandise stores	18.4	28.3	29.2	(NA)	5.4	5.2	5.4	(NA)
531	Department stores	15.4	23.8	24.6	26.0	5.6	5.4	5.6	5.6
533	Variety stores	2.0	2.3	2.1	(NA)	3.9	4.0	3.9	(NA)
592	Liquor stores	2.0	2.3	2.3	(NA)	8.4	8.4	8.5	(NA)

NA Not available. [1] Standard Industrial Classification; see text, section 13. [2] Excludes supplies and equipment used in ore and warehouse operations that are not for resale. Not adjusted for seasonal variation. [3] Relates annual sales to yearend ventories. [4] Includes kinds of businesses not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual* and *Monthly Retail Trade Reports*.

NO. 1332. RETAIL FOODSTORES—NUMBER AND SALES, BY TYPE: 1972 TO 1987

TYPE OF FOODSTORE	NUMBER (1,000)					SALES [2] (bil. dol.)					PERCENT DISTRIBUTION			
											Number		Sales	
	1972	1980	1985 [1]	1986 [1]	1987 [1]	1972	1980	1985	1986	1987	1972	1986	1972	198
Total	**267.4**	**245.8**	**238.1**	**236.9**	**235.8**	**99.0**	**220.2**	**288.6**	**301.8**	**314.3**	**100.0**	**100.0**	**100.0**	**100.0**
Grocery stores	194.4	172.5	166.8	166.3	165.9	92.2	205.6	271.9	284.1	296.1	72.7	70.2	93.2	94.1
Supermarkets [3]	27.2	26.3	27.3	27.0	(NA)	63.8	157.0	201.5	210.5	(NA)	10.2	11.4	64.4	69.7
Convenience stores [4]	21.0	35.8	45.4	47.0	(NA)	4.1	18.9	33.7	32.3	(NA)	7.9	19.8	4.2	10.7
Mom and pop stores	146.2	110.4	94.1	92.3	(NA)	24.3	29.7	36.7	41.3	(NA)	54.6	39.0	24.5	13.7
Specialized food stores [5]	73.0	73.3	71.3	70.6	69.9	6.8	14.6	16.7	17.6	18.2	27.3	29.8	6.9	5.8

NA Not available. [1] Estimated. [2] Includes nonfood items; 1972 data include sales taxes. [3] A grocery store, primarily self-service in operation, providing a full range of departments, and having at least $2.5 million in annual sales in 1985 dollars. [4] A small grocery store selling a limited variety of food and nonfood products, typically open extended hours. [5] Primarily engaged in the retail sale of a single food category such as meat and seafood stores and retail bakeries.

NO. 1333. SUPERMARKETS—NUMBER AND SALES, BY TYPE OF FORMAT: 1980 TO 1986

[For definition of supermarket, see footnote 3, table 1332]

SUPERMARKET FORMAT	NUMBER			SALES (bil. dol.)			PERCENT DISTRIBUTION			
							Number		Sales	
	1980	1984	1986	1980	1984	1986	1980	1986	1980	198
Supermarkets, total	**26,321**	**26,947**	**27,005**	**157.0**	**192.8**	**210.5**	**100.0**	**100.0**	**100.0**	**100.0**
Conventional	21,009	17,644	17,169	114.7	95.8	99.8	79.8	63.6	73.1	47.4
Superstore [1]	3,150	4,608	4,994	27.8	54.6	57.9	12.0	18.5	17.7	27.5
Warehouse [2]	1,670	3,584	3,332	6.6	22.9	25.9	6.3	12.3	4.2	12.3
Combination food and drug [3]	475	943	1,133	6.3	15.4	16.8	1.8	4.2	4.0	8.0
Superwarehouse [4]	7	108	297	1.6	3.3	6.7	(Z)	1.1	1.0	3.2
Hypermarket [5]	10	60	80	(NA)	.8	3.4	(Z)	.3	(NA)	1.6

NA Not available. Z Less than .05 percent. [1] Contains greater variety of products than conventional supermarkets, including specialty and service departments, and considerable nonfood (general merchandise) products. [2] Contains limited product variety and fewer services provided, incorporating case lot stocking and shelving practices. [3] Contains a pharmacy, a nonprescription drug department, and a greater variety of health and beauty aids than that carried by conventional supermarkets. [4] A larger warehouse store that offers expanded product variety and often service meat, deli, or seafood departments. [5] A very large store offering a greater variety of general merchandise—like clothes, hardware, and seasonal goods—and personal care products than other grocery stores.

Source of tables 1332 and 1333: U.S. Dept. of Agriculture, Economic Research Service, *Food Marketing Review*, annual.

NO. 1334. COMMERCIAL AND INSTITUTIONAL GROUPS—FOOD AND DRINK SALES: 1970 TO 1988

[Excludes military. Data refer to sales to consumers of food and alcoholic beverages. Sales are estimated. For details, see source]

TYPE OF GROUP	Number, 1986	SALES (mil. dol.)							
		1970	1980	1983	1984	1985	1986	1987 [1]	1988 [1]
Total	**625,031**	**42,199**	**119,004**	**151,355**	**164,126**	**173,889**	**186,171**	**198,384**	**212,476**
Commercial foodservice [2] [3]	453,762	34,829	101,529	131,266	143,265	152,864	164,510	176,107	189,331
Eating places [2]	270,698	21,614	72,276	95,267	104,521	111,598	120,124	128,568	138,211
Restaurants, lunchrooms	126,514	13,348	39,307	50,530	55,112	58,444	62,301	66,143	70,574
Limited menu restaurants [4]	126,125	6,190	28,699	39,494	43,719	47,191	51,485	55,672	60,425
Bars and taverns [5]	32,308	5,008	7,785	8,157	8,255	8,428	8,976	9,212	9,626
Food contractors [2]	9,026	2,442	6,816	8,242	8,907	9,460	10,095	10,774	11,550
Manufacturing and industrial plants	(NA)	915	2,121	2,394	2,616	2,721	2,824	2,966	3,132
Colleges and universities	(NA)	496	1,140	1,494	1,612	1,738	1,882	2,033	2,202
Lodging places [2]	26,385	2,585	6,768	9,165	10,026	10,699	11,383	12,340	13,303
Hotel restaurants	15,704	1,554	4,964	7,302	8,110	8,748	9,404	10,260	11,154
Retail hosts [2]	105,650	1,652	3,264	4,690	5,395	6,196	7,052	7,953	8,907
Grocery store restaurants	41,867	189	830	1,554	1,955	2,466	2,988	(NA)	(NA)
Gasoline service stations	30,490	109	492	860	1,048	1,291	1,527	(NA)	(NA)
Recreation and sports	6,607	514	1,452	1,822	1,906	1,957	2,055	2,149	2,270
Institutional foodservice [2]	171,269	7,370	17,475	20,089	20,861	21,025	21,661	22,277	23,145
Employee foodservice	8,212	688	1,635	1,767	1,904	1,971	1,976	2,021	2,113
Industrial and commercial organizations	3,573	561	1,377	1,505	1,630	1,682	1,694	(NA)	(NA)
Educational foodservice	94,484	2,102	4,610	5,509	5,749	5,978	6,253	6,486	6,716
Elementary and secondary schools	91,776	1,163	2,312	2,577	2,780	2,919	3,060	3,169	3,295
Hospitals	6,791	2,991	6,666	7,375	7,391	7,104	7,170	7,196	7,368
Miscellaneous [2]	28,326	646	1,521	1,885	1,991	2,077	2,197	2,221	2,348
Clubs	10,310	525	1,056	1,391	1,467	1,537	1,620	(NA)	(NA)

NA Not available. [1] Projection. [2] Includes other types of groups, not shown separately. [3] Data for establishments with payroll. [4] Fast-food restaurants. [5] For establishments serving food.

Source: National Restaurant Association, Washington, DC, *Foodservice Numbers: A Statistical Digest for the Foodservice Industry*, annual, and *1988 National Restaurant Association Foodservice Industry Forecast*, December 1987. (Copyright.)

No. 1335. Shopping Centers—Number, Gross Leasable Area, and Retail Sales, by Gross Leasable Area: 1986 and 1987

[As of **December 31.** A shopping center is a group of architecturally unified commercial establishments built on a site which is planned, developed, owned and managed as an operating unit related in its location, size, and type of shops to the trade area that the unit serves. The unit provides on-site parking in definite relationship to the types and total size of the stores. The data base attempts to include all centers with 30 or more stores. Estimates are based on a sample of data available on shopping center properties available; for details, contact source]

YEAR	Total	GROSS LEASABLE AREA (sq. ft.)					
		Less than 100,001	100,001-200,000	200,001-400,000	400,001-800,000	800,001-1,000,000	More than 1 million
NUMBER							
1986	28,496	18,230	6,692	2,083	918	261	312
1987	30,641	19,679	7,195	2,231	954	263	319
Percent distribution	100.0	64.2	23.5	7.3	3.1	.9	1.0
Percent change, 1986-1987	7.5	7.9	7.5	7.1	3.9	.8	2.2
GROSS LEASABLE AREA							
1986 (mil. sq. ft.)	3,523	901	917	555	522	234	393
1987 (mil. sq. ft.)	3,723	967	984	593	539	236	403
Percent distribution	100.0	26.0	26.4	15.9	14.5	6.3	10.8
Percent change, 1986-1987	5.7	7.3	7.4	7.0	3.3	.7	2.5
RETAIL SALES							
1986 (bil. dol.)	556.5	160.3	140.4	84.8	73.9	36.2	60.8
1987 (bil. dol.)	602.3	174.5	153.0	92.5	78.4	38.5	65.4
Percent distribution	100.0	29.0	25.4	15.3	13.0	6.4	10.9
Percent change, 1986-1987	8.2	8.9	8.9	9.0	6.2	6.2	7.6

Source: National Research Bureau, 310 South Michigan Avenue, Chicago, IL 60604. Data published by Communication Channels Inc., Atlanta, GA, in *Shopping Center World*, February 1988. (Copyright.)

No. 1336. Shopping Centers—Number, Gross Leasable Area, and Retail Sales by State: 1987

[See headnote, table 1335]

STATE	Number	Gross leasable area (mil. sq. ft.)	Retail sales (mil. dol.)	PERCENT CHANGE, 1986-1987		
				Number	Gross leasable area	Retail sales
U.S	**30,641**	**3,723.0**	**602,294**	**7.5**	**5.7**	**8.2**
N.E	**1,814**	**196.5**	**31,595**	**6.1**	**4.8**	**6.6**
ME	149	13.8	2,286	5.7	.9	3.6
NH	130	13.1	2,153	10.2	4.0	6.8
VT	62	5.6	934	3.8	1.9	3.8
MA	750	84.4	13,535	5.3	3.1	5.0
RI	160	14.0	2,250	8.1	5.3	7.4
CT	543	65.6	10,436	6.1	8.2	9.5
M.A	**3,008**	**431.4**	**68,186**	**6.5**	**5.1**	**7.2**
NY	1,228	171.6	27,314	4.6	2.6	5.2
NJ	677	101.5	16,198	6.8	8.9	11.0
PA	1,103	158.3	24,674	8.5	5.5	7.0
E.N.C	**4,309**	**568.3**	**89,793**	**8.2**	**4.7**	**6.8**
OH	1,158	167.9	26,215	6.6	3.5	5.3
IN	669	85.0	13,565	4.7	4.2	6.5
IL	1,271	159.9	25,382	12.5	6.4	8.6
MI	730	100.3	15,788	6.6	4.4	6.1
WI	481	55.1	8,842	9.2	4.9	8.2
W.N.C	**1,960**	**249.7**	**39,829**	**7.0**	**4.2**	**6.9**
MN	366	51.8	8,303	6.7	3.0	6.3
IA	229	30.6	4,835	7.0	3.4	6.4
MO	696	87.3	13,869	7.2	5.1	7.6
ND	62	8.2	1,297	6.9	3.1	6.2
SD	36	5.0	799	12.5	5.7	9.7
NE	176	22.5	3,582	8.6	4.4	7.4
KS	393	44.3	7,125	5.7	4.2	6.5
S.A	**6,689**	**805.4**	**131,814**	**10.6**	**8.7**	**11.5**
DE	89	15.2	2,415	4.7	3.1	7.2
MD	624	90.8	14,453	7.8	7.7	9.7
DC	51	6.6	1,066	4.1	-	2.9
S.A.—Con.						
VA	835	110.7	17,762	9.3	8.5	10.5
WV	125	16.2	2,548	6.8	9.5	10.9
NC	976	103.5	16,935	15.6	11.8	14.5
SC	555	56.3	9,258	8.2	7.1	10.1
GA	1,065	107.7	17,903	10.3	8.7	11.6
FL	2,369	298.4	49,474	11.2	8.9	12.2
E.S.C	**2,154**	**232.4**	**37,498**	**6.7**	**6.3**	**8.3**
KY	501	54.3	8,712	6.6	5.2	7.3
TN	787	85.5	13,795	9.2	9.5	11.2
AL	524	60.4	9,671	5.4	5.0	6.8
MS	342	32.2	5,320	3.6	2.7	5.4
W.S.C	**4,014**	**452.3**	**74,468**	**4.3**	**3.3**	**6.1**
AR	311	29.1	4,730	2.6	1.7	3.8
LA	590	71.3	11,530	2.8	2.4	4.8
OK	503	51.1	8,355	3.1	1.8	4.6
TX	2,610	300.8	49,851	5.2	3.9	6.9
Mt	**2,158**	**248.1**	**40,984**	**7.7**	**4.9**	**8.3**
MT	74	7.5	1,231	4.2	.2	3.3
ID	101	12.7	2,046	5.2	1.7	5.1
WY	43	5.4	858	4.9	-	3.0
CO	616	77.8	12,660	5.3	4.3	7.0
NM	228	22.4	3,709	4.6	3.7	6.4
AZ	741	77.3	13,102	9.3	5.6	9.8
UT	153	23.9	3,851	10.1	4.3	8.2
NV	202	21.1	3,526	15.4	12.2	15.7
Pac	**4,535**	**538.9**	**88,130**	**7.1**	**6.0**	**8.7**
WA	500	63.8	10,172	8.9	8.0	10.2
OR	306	34.6	5,548	5.5	5.8	7.4
CA	3,561	421.8	69,283	7.1	5.8	8.6
AK	45	5.9	1,003	7.1	9.0	13.0
HI	123	12.7	2,124	5.1	3.1	6.5

- Represents zero.

Source: National Research Bureau, 310 South Michigan Avenue, Chicago, IL 60604. Data published by Communication Channels Inc., Atlanta, GA, in *Shopping Center World*, February 1988. (Copyright.)

No. 1337. Retail Sales—by Type of

[In millions of dollars.

DIVISION AND STATE	TOTAL [1]		FOOD STORES				GENERAL MERCHANDISE STORES				AUTOMOTIVE DEALERS	
	1982	1987	Total		Supermarkets		Total		Department stores		1982	1987
			1982	1987	1982	1987	1982	1987	1982	1987		
U.S.	**1,065,918**	**1,545,097**	**246,458**	**321,934**	**231,000**	**302,727**	**120,528**	**180,569**	**99,185**	**150,506**	**193,896**	**338,082**
N.E	**62,093**	**102,961**	**13,629**	**20,266**	**12,465**	**18,624**	**6,174**	**10,670**	**5,179**	**9,038**	**10,359**	**22,254**
ME	5,332	8,943	1,311	1,912	1,247	1,828	465	779	341	583	933	1,969
NH	5,354	9,725	1,278	2,086	1,209	1,964	527	1,034	415	820	962	2,154
VT	2,601	4,344	612	934	585	897	173	282	120	199	473	1,014
MA	28,816	46,908	6,006	8,895	5,371	7,992	3,000	4,963	2,538	4,236	4,651	9,980
RI	4,163	6,751	923	1,369	802	1,193	448	769	387	666	633	1,337
CT	15,829	26,310	3,500	5,070	3,251	4,730	1,561	2,843	1,379	2,534	2,706	5,800
M.A	**159,349**	**236,256**	**38,078**	**52,694**	**34,220**	**47,466**	**17,381**	**25,630**	**14,742**	**22,075**	**24,938**	**48,106**
NY	72,267	108,682	17,446	24,799	15,361	21,885	7,612	11,550	6,296	9,730	9,955	19,520
NJ	36,307	54,844	8,610	12,012	7,839	10,986	3,637	5,496	3,163	4,847	6,208	12,306
PA	50,776	72,730	12,022	15,883	11,020	14,595	6,131	8,584	5,283	7,498	8,774	16,280
E.N.C	**180,556**	**255,551**	**40,116**	**48,999**	**37,456**	**45,930**	**22,119**	**32,680**	**19,081**	**28,450**	**32,365**	**57,698**
OH	46,315	65,173	11,145	13,358	10,447	12,564	6,156	9,146	5,360	8,028	7,981	14,242
IN	23,724	34,272	5,299	6,600	5,023	6,287	2,678	3,981	2,252	3,357	4,410	8,153
IL	50,747	71,233	10,561	13,058	9,844	12,221	5,921	8,535	5,061	7,385	8,959	15,711
MI	39,216	57,406	8,518	10,456	7,835	9,651	4,944	7,448	4,437	6,768	7,521	13,473
WI	20,554	27,467	4,594	5,527	4,307	5,207	2,420	3,570	1,970	2,912	3,494	6,119
W.N.C	**78,094**	**109,600**	**16,879**	**21,780**	**16,034**	**20,777**	**9,103**	**14,389**	**7,399**	**11,864**	**14,940**	**25,723**
MN	19,599	28,903	3,922	5,326	3,675	5,012	2,259	3,901	1,894	3,312	3,542	6,417
IA	12,646	16,425	3,012	3,615	2,877	3,470	1,366	2,080	1,066	1,630	2,374	3,752
MO	21,655	31,999	4,888	6,393	4,658	6,117	2,790	4,527	2,402	3,941	4,063	7,684
ND	3,367	4,337	579	746	547	708	349	539	285	446	829	1,243
SD	2,989	4,106	617	805	586	769	256	431	189	319	589	973
NE	6,995	9,473	1,459	1,839	1,387	1,757	797	1,130	598	839	1,321	2,152
KS	10,842	14,357	2,402	3,056	2,304	2,944	1,286	1,781	966	1,377	2,222	3,502
S.A	**176,375**	**272,740**	**41,345**	**56,094**	**39,223**	**53,465**	**19,521**	**31,872**	**15,412**	**25,590**	**33,357**	**62,957**
DE	3,131	4,652	679	871	620	797	418	650	360	564	525	1,022
MD	20,983	32,241	4,696	6,142	4,344	5,705	2,458	3,553	2,117	3,095	3,781	7,467
DC	2,654	3,403	495	601	450	548	225	270	189	232	127	168
VA	24,706	40,131	5,843	8,199	5,580	7,859	2,881	5,022	2,237	3,963	4,599	9,075
WV	7,521	10,247	2,022	2,416	1,954	2,344	1,006	1,461	797	1,176	1,351	2,261
NC	25,005	37,613	6,207	8,278	6,010	8,054	2,508	4,273	1,668	2,972	4,779	8,468
SC	12,498	19,006	3,190	4,473	3,099	4,366	1,244	2,013	905	1,494	2,218	3,978
GA	24,408	39,656	5,582	8,151	5,368	7,866	2,764	4,746	2,200	3,868	4,626	9,176
FL	55,469	85,791	12,631	16,963	11,799	15,926	6,017	9,884	4,938	8,226	11,348	21,344
E.S.C	**57,701**	**81,880**	**14,460**	**16,724**	**13,973**	**16,228**	**6,959**	**10,724**	**5,115**	**8,084**	**11,003**	**19,981**
KY	14,572	20,622	3,665	4,331	3,506	4,160	1,757	2,580	1,369	2,064	2,511	4,526
TN	19,605	28,652	4,720	5,480	4,567	5,325	2,363	3,914	1,828	3,085	3,832	7,327
AL	14,480	20,161	3,708	4,141	3,595	4,033	1,663	2,473	1,190	1,811	2,874	5,146
MS	9,044	12,445	2,367	2,772	2,304	2,710	1,177	1,757	728	1,124	1,786	2,982
W.S.C	**127,444**	**163,317**	**30,030**	**38,044**	**28,877**	**36,748**	**14,440**	**19,149**	**11,419**	**15,446**	**27,341**	**35,407**
AR	9,114	12,130	2,130	2,852	2,065	2,778	1,154	1,612	967	1,363	1,979	2,474
LA	19,986	25,161	5,039	6,455	4,854	6,245	2,326	2,918	1,733	2,235	3,770	4,633
OK	16,071	19,473	3,805	4,264	3,693	4,157	1,812	2,198	1,294	1,645	3,713	4,418
TX	82,274	106,553	19,056	24,473	18,265	23,568	9,148	12,421	7,424	10,203	17,880	23,882
Mt	**59,298**	**80,943**	**14,086**	**18,352**	**13,539**	**17,718**	**5,859**	**9,069**	**4,621**	**7,219**	**11,253**	**16,024**
MT	3,955	4,654	955	1,070	918	1,033	306	443	199	294	746	902
ID	4,060	5,253	1,065	1,291	1,037	1,262	310	465	203	311	815	1,179
WY	2,819	3,809	636	780	617	760	191	325	87	151	496	745
CO	16,581	22,021	3,764	4,802	3,612	4,629	1,666	2,655	1,423	2,284	3,150	4,100
NM	6,319	8,561	1,523	1,936	1,455	1,858	587	899	413	645	1,274	1,910
AZ	13,894	20,435	3,423	4,775	3,292	4,613	1,491	2,297	1,188	1,848	2,620	4,003
UT	6,327	8,183	1,513	1,961	1,448	1,865	711	1,036	579	838	1,196	1,554
NV	5,343	8,027	1,207	1,737	1,160	1,678	597	949	530	848	957	1,631
Pac	**165,008**	**241,829**	**37,836**	**48,981**	**35,212**	**45,771**	**18,972**	**26,386**	**16,219**	**22,740**	**28,340**	**49,932**
WA	20,008	27,613	4,896	6,126	4,669	5,867	2,178	2,966	1,838	2,519	3,250	5,575
OR	12,634	16,183	2,738	3,233	2,597	3,081	1,787	2,401	1,394	1,890	2,258	3,432
CA	123,946	186,413	28,393	37,285	26,285	34,668	14,012	19,664	12,327	17,411	21,861	39,218
AK	3,227	4,227	709	939	685	910	335	498	216	333	419	860
HI	5,193	7,393	1,101	1,398	976	1,245	659	857	445	587	551	1,047

[1] Includes other types of stores, not shown separately. [2] Includes hardware dealers. [3] Includes home furnishings stores.

STORE AND STATE: 1982 AND 1987

Data are estimates]

EATING AND DRINKING PLACES		GASOLINE SERVICE STATIONS		APPAREL AND ACCESSORIES STORES		BUILDING MATERIALS DEALERS [2]		FURNITURE AND APPLIANCE STORES [3]				DIVISION AND STATE
								Total		Furniture		
1982	1987	1982	1987	1982	1987	1982	1987	1982	1987	1982	1987	
103,982	**150,554**	**97,840**	**101,940**	**57,838**	**81,110**	**51,146**	**82,163**	**47,141**	**84,022**	**17,951**	**27,073**	**U.S.**
6,046	**10,748**	**5,299**	**6,085**	**3,540**	**5,335**	**2,850**	**5,603**	**2,406**	**4,647**	**873**	**1,431**	**N.E.**
425	786	408	550	216	318	311	594	144	264	57	90	ME
428	788	411	522	249	417	337	762	200	447	60	116	NH
223	409	226	282	109	159	176	333	81	163	29	49	VT
3,108	5,439	2,387	2,610	1,793	2,595	1,176	2,322	1,170	2,128	447	696	MA
404	720	380	446	237	370	176	318	145	287	50	83	RI
1,457	2,606	1,489	1,675	938	1,476	675	1,274	666	1,358	230	397	CT
15,096	**21,777**	**12,328**	**12,171**	**10,341**	**15,325**	**6,097**	**10,465**	**7,352**	**14,539**	**2,570**	**4,282**	**M.A.**
7,420	10,995	4,625	4,581	5,295	7,866	2,591	4,395	3,608	6,963	1,242	2,011	NY
3,227	4,518	3,251	3,301	2,287	3,541	1,361	2,260	1,743	3,601	585	1,019	NJ
4,449	6,264	4,452	4,289	2,759	3,918	2,145	3,810	2,002	3,975	744	1,252	PA
18,183	**24,823**	**19,154**	**19,457**	**9,426**	**12,796**	**7,982**	**13,435**	**7,473**	**13,314**	**2,717**	**4,075**	**E.N.C.**
4,683	6,484	5,408	5,324	1,956	2,704	1,837	2,999	1,808	3,156	692	1,022	OH
2,333	3,186	2,790	3,008	1,079	1,638	1,166	1,939	902	1,636	338	524	IN
5,138	6,831	4,716	4,607	3,291	4,296	2,143	3,486	2,203	3,872	829	1,233	IL
3,819	5,371	4,069	4,405	2,249	2,977	1,790	3,417	1,683	3,132	577	900	MI
2,211	2,951	2,171	2,113	851	1,181	1,046	1,594	877	1,518	281	396	WI
7,183	**10,201**	**8,436**	**8,933**	**3,773**	**4,916**	**4,657**	**6,463**	**3,143**	**4,685**	**1,282**	**1,652**	**W.N.C.**
1,801	2,701	2,108	2,354	922	1,327	1,221	1,636	776	1,205	292	385	MN
1,137	1,502	1,416	1,432	618	776	798	962	485	692	206	256	IA
2,037	3,012	2,299	2,581	1,015	1,360	1,100	1,853	822	1,250	308	397	MO
291	347	371	354	174	193	246	296	138	180	67	77	ND
275	385	370	357	147	189	204	262	114	162	53	66	SD
687	977	769	768	352	440	449	620	342	535	185	264	NE
956	1,277	1,104	1,087	544	631	638	834	467	661	171	207	KS
16,667	**25,469**	**16,282**	**17,952**	**9,227**	**12,723**	**8,757**	**14,144**	**8,299**	**15,878**	**3,448**	**5,655**	**S.A.**
266	387	274	282	169	211	158	253	136	258	52	84	DE
1,944	2,904	2,037	2,104	1,126	1,639	791	1,560	951	1,802	335	521	MD
563	740	185	158	241	293	40	48	132	198	58	74	DC
2,152	3,435	2,451	2,656	1,245	1,873	1,083	2,012	1,168	2,497	499	921	VA
544	721	738	863	338	392	455	601	291	435	140	183	WV
2,172	3,334	2,006	2,326	1,390	1,879	1,523	2,275	1,219	2,177	584	903	NC
1,114	1,751	1,250	1,367	692	979	728	1,143	585	1,070	278	444	SC
2,293	3,755	2,457	2,794	1,261	1,782	1,319	2,109	1,050	2,134	441	767	GA
5,619	8,442	4,883	5,402	2,766	3,675	2,661	4,143	2,767	5,307	1,061	1,758	FL
4,741	**6,653**	**5,646**	**6,038**	**2,936**	**3,641**	**2,893**	**3,881**	**2,286**	**4,192**	**1,055**	**1,679**	**E.S.C.**
1,277	1,877	1,628	1,774	642	790	758	1,022	538	1,013	241	391	KY
1,708	2,371	2,048	2,145	989	1,318	900	1,252	825	1,557	361	585	TN
1,126	1,563	1,237	1,308	857	1,012	753	1,021	583	1,029	282	435	AL
630	842	733	811	449	521	482	586	339	593	172	268	MS
11,410	**15,059**	**10,410**	**9,695**	**7,446**	**8,922**	**6,963**	**11,422**	**5,717**	**8,146**	**2,350**	**2,860**	**W.S.C.**
657	887	808	819	476	598	486	952	338	520	165	226	AR
1,843	2,284	1,601	1,563	1,147	1,358	1,171	1,811	932	1,302	404	492	LA
1,440	1,816	1,174	1,133	958	1,152	945	1,434	730	1,067	303	377	OK
7,470	10,072	6,827	6,180	4,864	5,814	4,361	7,225	3,717	5,257	1,478	1,765	TX
6,059	**8,059**	**5,874**	**6,136**	**2,752**	**3,444**	**3,429**	**5,329**	**2,672**	**4,365**	**1,038**	**1,447**	**Mt.**
424	464	403	352	201	231	272	354	173	260	61	79	MT
375	456	368	418	179	190	263	370	173	254	80	108	ID
284	375	407	449	139	172	201	289	98	153	36	48	WY
1,854	2,441	1,472	1,394	785	992	966	1,559	796	1,295	276	378	CO
629	857	632	611	328	400	398	620	251	393	115	156	NM
1,428	2,072	1,342	1,553	558	723	695	1,170	657	1,132	246	356	AZ
511	634	675	670	297	368	369	554	315	496	152	215	UT
553	760	575	689	264	368	265	413	209	382	71	107	NV
18,596	**27,765**	**14,411**	**15,473**	**8,396**	**14,008**	**7,518**	**11,421**	**7,793**	**14,256**	**2,617**	**3,992**	**Pac.**
2,268	3,091	1,737	1,717	986	1,580	1,101	1,533	845	1,391	297	413	WA
1,353	1,728	1,147	1,122	601	800	565	721	517	749	173	209	OR
13,684	21,055	10,901	12,034	6,297	10,816	5,354	8,616	6,131	11,714	2,047	3,255	CA
411	539	215	188	130	178	344	337	133	170	42	44	AK
880	1,352	411	412	383	634	154	214	167	232	59	71	HI

Source: Market Statistics, New York, NY, *The Survey of Buying Power Data Service*, annual (copyright).

No. 1338. Domestic and International Franchising—Summary: 1970 to 1988

[Franchising is a form of marketing or distribution in which a parent company customarily grants an individual or a company the right, or privilege, to do business in a prescribed manner over a certain period of time in a specified place. The parent company is termed the franchisor; the receiver of the privilege the franchisee; and the right, or privilege, the franchise]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987 [1]	1988 [1]
DOMESTIC [2]											
Number of franchised establishments	1,000	396	435	442	439	442	444	455	462	479	509
Company-owned [3]	1,000	72	81	85	87	86	87	86	88	89	92
Franchisee-owned	1,000	324	354	357	352	355	357	369	374	390	417
Sales of products and services	Bil. dol.	120	191	336	376	423	492	543	569	599	640
Company-owned [3]	Bil. dol.	23	29	47	55	59	64	68	85	90	97
Franchisee-owned	Bil. dol.	96	162	289	321	364	428	475	484	509	543
Average sales per establishment	$1,000	302	439	760	856	958	1,108	1,193	1,231	1,251	1,256
Employment	1,000	(NA)	3,511	4,668	4,927	5,165	5,671	6,283	6,501	(NA)	(NA)
INTERNATIONAL											
U.S. companies operating foreign outlets	Number	[4] 156	222	279	295	305	328	342	354	(NA)	(NA)
Foreign outlets	1,000	[4] 3.4	11.0	20.4	23.5	25.7	27.0	30.2	31.6	(NA)	(NA)

NA Not available. [1] Estimated by respondents to annual survey of franchisors. [2] Excludes foreign outlets of U.S. companies. [3] Represents establishments owned by the parent company. [4] 1971 data.

No. 1339. Domestic Franchising—Number of Establishments and Sales, by Kind of Franchised Business: 1970 to 1988

[See headnote, table 1338, for definition of franchising. Excludes foreign outlets of U.S. companies]

KIND OF FRANCHISED BUSINESS	NUMBER OF ESTABLISHMENTS (1,000)							SALES (bil. dol.)						
	1970	1975	1980	1985	1986	1987 [1]	1988 [1]	1970	1975	1980	1985	1986	1987 [1]	1988 [1]
All franchising, total	396.3	434.5	442.4	455.2	462.1	479.1	509.3	119.8	190.9	336.2	543.0	569.1	599.4	639.5
Auto and truck dealers [2]	37.2	31.8	29.4	27.5	27.6	27.6	27.8	58.8	94.5	143.9	282.6	307.3	319.7	335.4
Percent	9.4	7.3	6.6	6.0	6.0	5.8	5.5	49.1	49.5	42.8	52.0	54.0	53.3	52.4
Restaurants (all types)	32.6	43.0	60.0	73.9	78.2	83.3	90.8	4.6	12.3	27.9	47.7	52.3	56.8	63.2
Percent	8.2	9.9	13.6	16.2	16.9	17.4	17.8	3.8	6.4	8.3	8.8	9.2	9.5	9.9
Gasoline service stations [2]	222.0	189.5	158.5	124.6	120.5	115.9	112.0	29.3	47.4	94.5	100.8	86.6	89.2	91.9
Percent	56.0	43.6	35.8	27.4	26.1	24.2	22.0	24.5	24.8	28.1	18.6	15.2	14.9	14.4
Retailing (nonfood)	30.7	37.2	35.2	45.1	45.5	47.9	52.9	13.1	9.0	10.5	20.6	23.1	25.4	28.5
Percent	7.7	8.6	8.0	9.9	9.8	10.0	10.4	11.0	4.7	3.1	3.8	3.7	4.2	4.5
Auto, truck rental services	[3] 10.7	6.5	7.3	11.2	9.5	10.0	10.6	1.2	1.5	3.1	5.7	6.2	6.5	7.0
Automotive products and services [4]	20.4	47.5	40.2	36.5	36.7	39.3	41.5	1.9	5.0	7.1	10.7	11.3	12.3	13.7
Business aids and services	10.5	22.2	40.7	49.8	52.7	56.7	63.0	.7	1.4	6.7	12.0	13.3	14.7	16.8
Employment services	2.9	2.7	4.4	4.8	5.6	6.1	6.9	.5	.6	1.6	2.7	3.2	3.7	4.2
Tax preparation services	4.7	7.5	9.2	8.1	8.3	8.5	8.6	.1	.2	.3	.4	.5	.5	.5
Accounting, credit, collection, and general	1.1	3.5	2.4	2.1	1.9	2.0	2.2	(Z)	.2	.1	.2	.2	.2	.2
Real estate [5]	(NA)	3.8	17.3	13.9	14.0	15.2	16.9	(NA)	.2	3.6	4.6	5.1	5.6	6.4
Printing and copying	.3	1.1	2.8	4.5	4.9	5.6	6.4	.1	.1	.4	.9	1.0	1.2	1.4
Other	1.4	3.4	4.8	16.4	18.0	19.4	22.0	.1	.2	.8	3.1	3.3	3.5	4.1
Construction, home improvement, maintenance, and cleaning	.7	10.8	14.3	17.5	18.9	21.7	25.5	.1	.6	1.5	4.1	4.6	5.2	6.2
Convenience stores	8.8	13.5	15.6	15.1	15.5	16.3	17.2	1.7	3.9	7.8	10.8	11.3	12.3	13.6
Educational products and services	4.9	1.3	3.2	8.2	8.6	9.6	10.6	.1	.2	.3	.8	.9	1.0	1.2
Equipment rental services	(³)	1.4	2.2	2.5	2.7	2.8	3.3	(³)	.2	.4	.7	.7	.7	.8
Food retailing [6]	(NA)	11.6	15.5	18.7	19.9	20.5	23.6	(NA)	1.4	7.4	10.1	10.7	11.1	12.1
Hotels and motels [7]	3.4	6.4	6.4	7.5	8.2	9.3	10.4	3.5	4.6	9.5	14.8	16.0	17.7	19.7
Laundry, dry cleaning services	4.1	3.2	3.4	2.3	2.3	2.2	2.6	.1	.2	.3	.3	.3	.3	.4
Recreation, entertainment, travel	2.7	3.4	4.6	7.8	7.9	8.2	8.9	.1	.2	.5	2.3	3.5	4.0	5.0
Soft drink bottlers [2] [8]	2.7	2.4	1.9	1.4	1.2	1.1	1.1	4.1	8.2	14.4	18.3	19.7	20.9	22.1
Miscellaneous	4.8	2.7	3.6	5.5	6.1	6.8	7.7	.3	.4	.4	.9	1.3	1.5	1.9

NA Not available. Z Less than $50 million. [1] Estimated by respondents. [2] Estimated by source on basis of Bureau of the Census and trade association data. [3] Equipment rental services included with auto, truck rental services. [4] Includes some establishments with significant sales of nonautomotive products such as household appliances, garden supplies, etc. [5] Gross commissions. [6] Excludes convenience stores. [7] Beginning 1975, includes campgrounds. [8] Includes soft drinks, fruit drinks and ades, syrups, flavoring agents and bases. Excludes independent private label and contract-filler bottling companies, which accounted for 22 percent of the value of shipments of the total industry in recent years.

Source of tables 1338 and 1339: U.S. Dept. of Commerce, International Trade Administration, *Franchising in the Economy, 1986–88.*

NO. 1340. FRANCHISED NEW CAR DEALERSHIPS—SUMMARY: 1970 TO 1987

[Calendar year, except as indicated]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Dealerships, total [1]	**Number**	**30,800**	**29,600**	**28,250**	**26,800**	**25,700**	**24,725**	**24,725**	**24,725**	**25,100**	**25,150**
Handling—											
Domestic only [2]	Number	22,500	18,500	11,600	10,000	14,450	14,675	14,625	12,300	7,150	8,175
Imports only [2]	Number	4,500	4,600	4,550	4,550	4,000	3,950	3,875	3,825	4,425	4,750
Both	Number	3,800	6,500	12,100	12,050	7,250	6,100	6,225	8,600	13,525	12,225
Sales	Bil. dol	51.8	84.2	130.5	144.5	154.7	187.0	224.2	248.7	266.0	267.1
New cars	1,000	8,393	8,633	8,979	8,533	7,980	9,182	10,390	11,042	11,455	10,278
Used vehicles	1,000	11,283	11,281	9,717	10,187	9,940	10,805	12,289	13,026	13,216	13,144
Employment	1,000	702.9	728.0	753.7	705.1	702.3	748.8	813.8	856.5	884.2	894.6
Annual payroll	Bil. dol	5.5	8.4	11.2	11.6	12.6	15.0	18.2	20.0	21.2	21.6
Advertising expenses	Bil. dol	.4	.6	1.2	1.3	1.4	1.7	2.1	2.8	3.2	3.5
Inventory: [3]											
Domestic: [2]											
Total	1,000	1,409	1,514	1,506	1,457	1,294	1,209	1,413	1,510	1,687	1,723
Days' supply	Days	60	67	71	74	71	55	55	58	63	76
Imported: [2]											
Total	1,000	(NA)	407	458	427	381	260	216	271	392	566
Days' supply	Days	(NA)	80	55	52	54	34	26	30	37	59

NA Not available. [1] At beginning of year. [2] Classification based on where automobiles are produced (i.e., automobiles manufactured by foreign companies but produced in the U.S. are classified as domestic). [3] Annual average.

Source: National Automobile Dealers Association, McLean, VA, *NADA Data*, annual.

NO. 1341. WHOLESALE TRADE—SUMMARY: 1954 TO 1982

[Prior to 1958, excludes Alaska and Hawaii. Data for 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47, and T 274-279]

ITEM	Unit	1954	1958	1963	1967	1972	1977	1982
Firms, total	1,000	(NA)	(NA)	232	233	276	289	321
Establishments, total	1,000	250	287	308	311	370	383	416
With sales of $1,000,000 or more	1,000	(NA)	(NA)	62	75	103	152	190
Sales, all establishments	Bil. dol	234.0	285.7	358.4	459.5	695.2	1,258.4	1,997.9
Merchant wholesalers	Bil. dol	100.1	122.1	157.4	206.1	353.9	677.5	1,159.3
Inventories, end of year	Bil. dol	13.0	15.0	20.1	28.1	45.7	82.3	130.7
Payroll, entire year	Bil. dol	10.9	13.2	18.1	23.9	36.9	58.3	95.2
Paid employees, Mar. 12 workweek [1]	1,000	2,555	2,808	3,089	3,519	4,026	4,397	4,985
Active proprietors of unincorporated businesses	1,000	150	158	133	122	(NA)	(NA)	(NA)

NA Not available. [1] 1954-1963 data for workweek including Nov. 15.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1954*, vol. III; *1958*, vol. III; *1963*, vol. IV; *1967*, vol. III; and *Census of Wholesale Trade: 1972*, vol. I; *1977*, WC 77-A-52 and *1982*, WC 82-A-52.

NO. 1342. WHOLESALE TRADE, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1977 AND 1982

[See *Historical Statistics, Colonial Times to 1970*, series T 274-287 and T 352-369 for similar but not comparable data]

TYPE OF OPERATION AND KIND OF BUSINESS	ESTABLISHMENTS (1,000)		SALES (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES [1] (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Wholesale trade	**382.8**	**415.8**	**1,258,400**	**1,997,895**	**58,290**	**95,209**	**4,397**	**4,985**
Merchant wholesalers	307.2	337.9	677,550	1,159,334	42,067	69,936	3,368	3,918
Other operating types	75.6	77.9	580,851	838,561	16,223	25,273	1,029	1,067
Durable goods	**226.2**	**256.1**	**608,756**	**881,212**	**34,998**	**57,368**	**2,539**	**2,913**
Motor vehicles, automotive equipment	38.9	39.5	147,112	187,607	5,148	7,524	423	433
Furniture, home furnishings	11.1	12.5	22,032	32,452	1,445	2,367	110	126
Lumber, construction materials	15.7	17.0	46,179	50,694	2,502	3,429	180	184
Sporting, recreational, photographic goods [2]	6.6	7.3	16,521	26,980	1,024	1,646	77	85
Metals and minerals, except petroleum	9.4	10.1	80,298	102,690	2,178	3,359	133	148
Electrical goods	24.9	29.2	69,999	120,062	3,922	7,462	277	357
Hardware, plumbing, heating equipment	18.6	20.8	30,605	43,529	2,576	4,051	194	217
Machinery, equipment, supplies	84.0	99.2	165,057	263,309	14,350	24,804	986	1,192
Miscellaneous	17.1	20.5	30,952	53,869	1,852	2,726	160	171
Nondurable goods	**156.6**	**159.7**	**649,644**	**1,116,683**	**23,292**	**37,841**	**1,858**	**2,072**
Paper, paper products	11.7	13.9	32,509	53,493	2,103	3,586	149	187
Drugs, drug proprietaries [3]	3.6	3.9	19,445	33,987	1,148	1,975	89	106
Apparel, piece goods, notions	13.0	14.3	39,895	55,897	1,830	2,897	131	144
Groceries and related products	38.0	38.5	182,905	288,659	7,469	12,269	602	674
Farm-product raw materials	14.8	13.9	110,332	153,419	1,273	1,839	135	136
Chemicals, allied products	8.5	10.7	51,661	76,103	1,603	2,902	100	124
Petroleum, petroleum products	22.6	18.7	116,780	296,995	2,249	3,433	179	168
Beer, wines, distilled alcoholic beverages	6.7	6.4	26,979	42,122	1,841	3,091	122	141
Miscellaneous	37.8	39.4	69,138	116,008	3,778	5,849	351	372

[1] For pay period including March 12. [2] Includes toys, hobby goods, and supplies. [3] Includes druggists sundries.

Source: U.S. Bureau of the Census, *Census of Wholesale Trade, 1977*, Geographic Area Series, WC 77-A-52, and *1982*, Geographic Area Series, WC 82-A-52.

No. 1343. Merchant Wholesalers—Summary: 1980 to 1987

[Data reflect latest revision. Based on Current Business Survey; see Appendix III. See *Historical Statistics, Colonial Times to 1970*, series T 280-371, for related sales data]

SIC [1] code	KIND OF BUSINESS	1980	1981	1982	1983	1984	1985	1986	1987
	SALES (bil. dol.)								
	Merchant wholesalers	**1,124.5**	**1,224.2**	**1,155.5**	**1,203.9**	**1,360.7**	**1,375.7**	**1,392.3**	**1,520.8**
50	**Durable goods [2]**	**483.1**	**523.4**	**480.3**	**522.6**	**622.0**	**651.7**	**681.2**	**739.3**
501	Motor vehicles and automotive equipment	83.1	89.6	91.4	103.0	123.4	136.2	148.7	153.2
502	Furniture and home furnishings	16.3	17.9	17.7	19.7	22.7	22.4	23.2	24.7
503	Lumber and other construction material	36.4	34.9	33.1	41.6	46.7	49.9	54.2	62.4
504	Sporting, recreational, photographic, and hobby goods, toys and supplies	(S)	(S)	(S)	(S)	(S)	(S)	20.7	20.8
505	Metals and minerals, except petroleum	63.4	70.4	52.5	50.9	61.3	55.3	51.6	60.1
506	Electrical goods	48.9	53.8	55.8	67.5	87.2	89.4	92.0	96.0
507	Hardware, plumbing and heating equipment	29.1	31.0	29.3	31.7	36.3	39.0	41.1	47.5
508	Machinery, equipment, and supplies	140.7	157.2	140.9	141.0	167.1	172.6	175.4	192.2
509	Miscellaneous durable goods	52.5	55.1	46.0	53.3	61.8	68.7	74.3	82.4
51	**Nondurable goods [2]**	**641.4**	**700.8**	**675.2**	**681.2**	**738.7**	**724.1**	**711.1**	**781.6**
511	Paper and paper products	22.6	25.1	25.9	28.2	33.6	35.3	38.2	44.7
512	Drugs, drug proprietaries and druggists' sundries	13.6	15.9	18.6	20.1	22.9	26.4	29.4	33.0
513	Apparel, piece goods and notions	28.5	29.4	(S)	33.4	37.6	40.3	41.6	45.3
514	Groceries and related products	155.4	165.4	174.7	187.6	203.1	207.7	221.9	235.0
515	Farm-product raw materials	125.4	126.9	114.6	126.5	133.2	103.7	94.1	103.3
516	Chemicals and allied products	(S)	(S)	(S)	21.2	22.2	22.6	22.7	23.4
517	Petroleum and petroleum products	171.5	200.3	(S)	(S)	(S)	(S)	124.6	149.0
518	Beer, wine, and distilled beverages	31.9	34.7	36.5	36.8	37.6	39.2	40.6	42.3
519	Miscellaneous nondurable goods	77.5	86.4	88.5	87.8	95.4	94.7	98.2	105.5
	INVENTORIES [3] (bil. dol.)								
	Merchant wholesalers	**123.0**	**130.3**	**128.2**	**130.4**	**142.6**	**147.1**	**152.9**	**165.1**
50	**Durable goods [2]**	**78.7**	**85.4**	**84.9**	**84.5**	**94.6**	**96.2**	**100.9**	**108.0**
501	Motor vehicles and automotive equipment	12.4	12.9	14.3	13.6	15.7	16.8	18.9	21.6
502	Furniture and home furnishings	2.5	2.5	2.5	2.6	3.0	3.2	3.3	4.0
503	Lumber and other construction material	(S)	(S)	(S)	4.2	4.6	4.9	5.3	6.2
504	Sporting, recreational, photographic, and hobby goods, toys and supplies	(S)	(S)	(S)	(S)	(S)	(S)	4.0	4.1
505	Metals and minerals, except petroleum	10.6	12.5	11.5	9.6	9.4	7.9	7.2	7.5
506	Electrical goods	7.6	8.9	9.0	9.5	12.7	12.5	13.4	13.6
507	Hardware, plumbing and heating equipment	5.3	5.5	5.2	5.5	6.3	6.4	6.8	6.9
508	Machinery, equipment, and supplies	29.3	32.3	31.7	31.7	33.8	34.8	34.8	36.2
509	Miscellaneous durable goods	(S)	(S)	(S)	5.1	6.0	6.4	7.1	7.9
51	**Nondurable goods [2]**	**44.3**	**44.9**	**43.3**	**46.0**	**48.1**	**50.9**	**52.0**	**57.1**
511	Paper and paper products	2.0	2.3	2.2	2.7	3.0	3.3	3.6	3.8
512	Drugs, drug proprietaries and druggists' sundries	(S)	(S)	(S)	(S)	(S)	(S)	4.2	5.1
513	Apparel, piece goods and notions	(S)	(S)	(S)	5.7	6.3	6.5	7.3	8.1
514	Groceries and related products	7.8	7.8	8.2	8.9	9.7	10.9	12.2	13.0
515	Farm-product raw materials	7.6	6.1	6.4	7.6	7.3	7.9	6.2	6.9
516	Chemicals and allied products	(S)	(S)	(S)	(S)	(S)	(S)	2.2	2.6
517	Petroleum and petroleum products	(S)	(S)	(S)	(S)	(S)	(S)	3.9	3.4
518	Beer, wine, and distilled beverages	3.2	3.5	3.6	3.4	3.7	4.0	4.1	4.3
519	Miscellaneous nondurable goods	7.2	7.8	7.6	7.8	8.6	8.1	8.5	9.9
	SALES/INVENTORY RATIO [3]								
	Merchant wholesalers	**9.14**	**9.40**	**9.01**	**9.23**	**9.54**	**9.35**	**9.11**	**9.21**
50	**Durable goods [2]**	**6.14**	**6.13**	**5.66**	**6.18**	**6.58**	**6.77**	**6.75**	**6.85**
501	Motor vehicles and automotive equipment	6.73	6.96	6.37	7.57	7.86	8.11	7.87	7.09
502	Furniture and home furnishings	6.51	7.06	7.15	7.57	7.57	7.00	7.03	6.18
503	Lumber and other construction material	(S)	(S)	(S)	9.90	10.15	10.18	10.23	10.06
505	Metals and minerals, except petroleum	5.97	5.66	4.57	5.30	6.52	7.00	7.17	8.01
506	Electrical goods	6.40	6.02	6.18	7.11	6.87	7.15	6.87	7.06
507	Hardware, plumbing and heating equipment	5.53	5.93	5.58	5.76	5.76	6.09	6.04	6.88
508	Machinery, equipment, and supplies	4.81	4.87	4.45	4.45	4.94	4.96	5.04	5.31
509	Miscellaneous durable goods	9.85	11.19	9.77	10.45	10.30	10.73	10.46	10.43
51	**Nondurable goods [2]**	**14.49**	**15.61**	**15.59**	**14.81**	**15.36**	**14.23**	**13.68**	**13.69**
511	Paper and paper products	11.18	10.92	11.60	10.44	11.20	10.70	10.61	11.76
514	Groceries and related products	19.81	21.15	21.41	21.08	20.94	19.05	18.19	18.08
515	Farm-product raw materials	16.57	20.86	17.95	16.64	18.25	13.13	15.18	14.97
518	Beer, wine, and distilled beverages	9.89	9.99	10.18	10.82	10.16	9.80	9.90	9.84
519	Miscellaneous nondurable goods	10.71	11.10	11.59	11.26	11.09	11.69	11.60	10.66

S Data do not meet publication standards. [1] Standard Industrial Classification; see text, section 13.
[2] Includes kinds of businesses, not shown separately. [3] End of year inventories; seasonally adjusted.

Source: U.S. Bureau of the Census, *Current Business Reports, Revised Monthly Wholesale Trade Sales and Inventories, December 1980 Through December 1987,* (BR-13-87S) and earlier reports, and unpublished data.

NO. 1344. WHOLESALE TRADE—SUMMARY, BY STATE: 1982

DIVISION AND STATE	Establishments	Sales (bil. dol.)	Paid employees[1] (1,000)	MERCHANT WHOLESALERS	
				Establishments	Sales (bil. dol.)
U.S.	**415,829**	**1,997.9**	**4,985**	**337,943**	**1,159.3**
N. Eng.:					
ME	1,654	4.2	18	1,465	3.1
NH	1,487	4.1	16	1,220	2.8
VT	800	1.9	9	720	1.6
MA	9,709	49.8	132	7,637	26.3
RI	1,549	5.0	18	1,334	3.2
CT	5,329	32.7	69	4,241	19.8
Mid. Atl.:					
NY	39,106	261.2	430	32,622	176.3
NJ	14,739	89.4	211	11,789	46.2
PA	17,873	78.4	221	14,206	38.9
E. No. Cent.:					
OH	16,965	79.6	221	12,987	37.5
IN	8,953	31.5	99	7,458	19.1
IL	21,722	131.1	287	16,975	65.5
MI	12,999	59.8	146	10,159	27.6
WI	8,159	27.4	91	6,832	16.6
W. No. Cent.:					
MN	9,020	47.4	104	7,334	30.6
IA	7,393	25.8	69	6,507	19.2
MO	10,149	49.4	122	8,202	27.5
ND	2,109	6.0	19	1,880	4.7
SD	1,803	4.9	16	1,635	3.0
NE	4,073	17.4	42	3,565	10.1
KS	5,607	24.5	58	4,605	15.5
So. Atl.:					
DE	818	7.3	14	669	2.1
MD	5,507	25.8	77	4,333	13.3
DC	495	2.6	9	394	1.5
VA	6,960	28.7	91	5,687	14.8
So. Atl.—Con.					
WV	2,380	6.1	26	2,016	4.1
NC	10,234	39.6	116	8,219	18.9
SC	4,539	12.7	46	3,884	7.8
GA	11,322	56.1	140	8,651	22.2
FL	19,537	65.6	212	16,287	39.1
E. So. Cent.:					
KY	5,278	19.2	60	4,338	11.0
TN	7,853	37.8	102	6,329	19.4
AL	5,913	19.6	68	4,948	12.2
MS	3,633	10.8	38	3,189	8.5
W. So. Cent.:					
AR	3,769	10.7	39	3,319	7.3
LA	7,678	36.1	98	6,335	24.9
OK	6,167	28.1	71	5,176	18.5
TX	31,978	205.0	417	25,670	122.7
Mt.:					
MT	1,809	4.9	16	1,588	3.7
ID	2,026	5.1	22	1,773	3.7
WY	1,091	3.3	10	905	2.8
CO	6,357	26.9	77	4,940	15.2
NM	2,123	5.1	21	1,821	4.1
AZ	4,555	13.9	52	3,721	8.3
UT	2,585	8.7	31	2,085	5.3
NV	1,233	3.9	14	1,073	2.6
Pac.:					
WA	7,889	31.3	90	6,180	18.5
OR	5,180	26.9	58	4,221	18.9
CA	43,278	217.7	548	34,832	128.6
AK	706	2.7	7	552	1.6
HI	1,737	4.1	17	1,434	2.5

[1] For the pay period including March 12.

Source: U.S. Bureau of the Census, *1982 Census of Wholesale Trade,* Geographic Area Series, WC82-A-1 to 51.

NO. 1345. SELECTED SERVICE INDUSTRIES—SUMMARY: 1977 AND 1982

[For establishments with paid employees]

ITEM	Unit	FIRMS SUBJECT TO FEDERAL INCOME TAX			Firms exempt[2] 1982
		1977	1982		
			Original	Revised[1]	
Firms	1,000	654	1,154	740	121
Total establishments	1,000	725	1,262	827	147
Single unit	1,000	626	1,111	708	112
Multiunit	1,000	99	151	119	35
Receipts[3]	Bil. dol	164.2	427.0	310.7	61.5
Average receipts[3] per establishment	$1,000	226.5	338.4	375.7	418.1
Of multiunit establishments	Bil. dol	69.9	163.9	140.1	24.3
Percent of total[3]	Percent	42.6	38.4	45.1	39.5
Payroll, entire year	Bil. dol	56.1	158.6	107.9	23.1
Paid employees[4]	1,000	6,337	11,106	8,060	2,280

[1] Because of the differences in scope between 1977 and 1982, the 1982 data have been recomputed to be comparable to 1977 (Standard Industrial Classification codes 702, 704, 80 (except 8072); 823, 824, 829, 83, 892, 893, and 899 excluded).

[2] No similarly published data in 1977.

[3] Revenue for tax-exempt activity.

[4] For workweek including March 12.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1977,* vol. 1, and *1982,* SC 82-I-1.

No. 1346. Service Industries—Summary of Establishments by Tax Status: 1977 and 1982

[See *Historical Statistics, Colonial Times to 1970,* series T 391–443 for similar but not comparable data]

KIND OF BUSINESS	ESTABLISHMENTS [1] (1,000)		RECEIPTS OR EXPENSES [1] (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES [2] (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Firms subject to Federal income tax	**2,755.1**	(NA)	**248,813**	(NA)	**81,183**	**158,625**	**8,618.9**	**11,108.1**
Hotels, motels, and other lodging places	**79.7**	**69.1**	**18,755**	**34,057**	**5,190**	**9,289**	**918.7**	**1,102.1**
Hotels, motor hotels, and motels	51.9	47.6	17,719	32,675	5,027	9,067	894.1	1,078.2
Trailering parks and camps	18.9	15.3	734	1,044	103	151	11.9	15.2
Rooming, boarding, and membership lodgings	(X)	6.3	(X)	338	60	71	12.7	10.8
Personal services [3]	**512.1**	(NA)	**18,433**	(NA)	**5,478**	**7,956**	**910.4**	**970.5**
Laundry, cleaning, and garment services	75.4	66.2	6,829	9,913	2,288	3,225	361.0	354.5
Photographic studios, portrait	37.1	48.5	1,185	2,027	215	357	29.8	44.0
Beauty and barber shops	264.7	274.9	5,266	7,455	1,816	2,414	316.7	314.2
Shoe repair, shoe shine, etc	9.6	7.8	239	281	40	55	7.2	7.0
Funeral service, crematories	19.6	18.7	2,827	3,936	639	927	71.8	74.2
Business services	**458.2**	(NA)	**54,500**	(NA)	**20,852**	**42,416**	**2,297.4**	**3,151.7**
Advertising	32.9	41.7	4,983	9,288	1,921	3,392	118.8	145.9
Services to dwellings, other buildings	67.3	91.9	4,597	8,197	2,256	3,899	426.3	540.0
Computer, data processing services	16.1	40.9	7,576	22,217	2,833	7,843	203.9	353.5
Computer prog., other software services	(NA)	(NA)	(NA)	(NA)	957	3,336	51.3	126.6
Data processing services	(NA)	(NA)	(NA)	(NA)	1,614	3,448	135.7	183.4
Computer related services, n.e.c.[4]	(NA)	(NA)	(NA)	(NA)	262	1,060	16.8	43.5
Management, consulting, public relations	143.8	267.9	8,343	20,106	2,839	6,529	208.8	353.5
Equipment rental, leasing services	29.3	49.2	[5] 4,970	11,361	[5] 1,060	2,305	[5] 84.6	133.4
Other business services [3]	168.9	(NA)	23,898	(NA)	9,918	18,447	1,252.5	1,625.4
Credit reporting, collection agencies	(NA)	(NA)	(NA)	(NA)	539	808	64.2	60.5
Direct mail advertising services	(NA)	(NA)	(NA)	(NA)	276	560	31.5	43.7
Commercial photography, art, graphics	(NA)	(NA)	(NA)	(NA)	588	1,024	46.0	56.6
Personnel supply services	(NA)	(NA)	(NA)	(NA)	2,881	5,632	431.7	608.8
Research and development labs	(NA)	(NA)	(NA)	(NA)	843	1,579	48.5	64.1
Testing labs and facilities	(NA)	(NA)	(NA)	(NA)	308	643	25.3	35.0
Detective agencies, protective services	(NA)	(NA)	(NA)	(NA)	1,598	3,000	279.9	340.5
Automotive repair, services, garages	**200.2**	**227.6**	**21,576**	**33,782**	**4,456**	**7,057**	**483.2**	**553.2**
Automotive rental and leasing, without drivers	12.4	12.5	6,407	9,750	834	1,380	75.5	94.2
Automobile parking	8.9	8.8	1,008	1,592	211	323	33.9	34.9
Automotive repair shops	154.2	179.1	12,770	20,414	3,090	4,906	316.3	364.6
General auto repair	87.0	109.5	5,633	8,924	1,173	1,840	128.3	144.1
Top and body repair	38.8	40.8	3,246	5,398	874	1,439	87.9	103.4
Other auto repair	28.4	28.8	3,891	6,092	1,043	1,627	120.0	117.2
Automotive services, exc. repair	24.7	27.2	1,391	2,026	320	449	57.6	59.5
Miscellaneous repair services	**162.9**	**159.3**	**11,028**	**16,032**	**2,992**	**4,559**	**279.1**	**299.7**
Electrical, electronic repair shops	52.5	35.9	3,581	4,488	1,001	1,350	95.2	87.4
Reupholstery, furniture repair	24.6	21.3	694	825	[5] 147	192	[5] 20.9	19.8
Other repair shops, related services	85.8	102.0	6,726	10,719	1,833	3,017	161.8	192.5
Amusement, rec. serv., incl. motion pictures	**176.8**	**214.4**	**21,143**	**35,320**	**5,272**	**8,805**	**660.3**	**803.8**
Motion picture prod., distribution, services	10.7	15.9	5,412	10,354	1,377	2,451	88.4	127.2
Motion picture theaters	11.8	10.0	2,606	3,610	462	567	112.2	103.5
Producers, orchestras, entertainers	67.7	92.9	2,361	4,319	524	971	50.1	56.8
Bowling alleys, billiards, pool establishments	11.3	8.9	1,768	2,308	490	648	108.1	108.9
Commercial sports, other amusement, recreation services	75.2	86.7	8,997	14,730	2,419	4,168	301.5	407.4
Health services, except hospitals [3]	**443.1**	**542.6**	**54,386**	**101,220**	**20,952**	**42,632**	**1,821.0**	**2,433.1**
Offices of physicians	189.1	234.8	28,756	53,241	11,854	24,576	624.0	822.0
Offices of dentists	99.3	114.4	10,007	16,814	3,044	5,788	284.4	402.5
Medical and dental laboratories	15.7	17.2	2,459	4,245	960	1,620	87.9	103.7
Legal services	**167.9**	**203.0**	**18,696**	**36,930**	**5,217**	**12,554**	**392.0**	**569.4**
Selected educational services [3]	**81.8**	**107.6**	**1,836**	**3,228**	**493**	**822**	**61.2**	**68.5**
Correspondence and vocational schools	(NA)	(NA)	(NA)	(NA)	302	508	34.1	38.0
Schools and educational services, n.e.c.[4]	(NA)	(NA)	(NA)	(NA)	186	309	26.2	30.0
Engineering, architectural, surveying services	**75.6**	**96.9**	**14,737**	**35,557**	**6,292**	**14,717**	**373.2**	**581.5**
Accounting, auditing, bookkeeping services	**126.1**	**179.8**	**7,990**	**15,950**	**2,917**	**5,933**	**230.9**	**330.2**
Social and other services	**270.7**	(NA)	**5,732**	(NA)	**1,073**	**1,884**	**191.4**	**242.7**
Social services	(NA)	(NA)	(NA)	(NA)	866	1,477	177.4	222.0
Child day care services	(NA)	(NA)	(NA)	(NA)	339	616	87.5	123.1
Firms exempt from Federal income tax	(X)	**147.1**	(X)	**54,522**	(X)	**23,142**	(X)	**2,288.1**
Hotels, camps, membership lodging	(X)	**4.1**	(X)	**513**	(X)	**155**	(X)	**22.8**
Research, testing, consulting services	(X)	**1.0**	(X)	**2,612**	(X)	**1,251**	(X)	**53.6**
Selected amusement, rec., related services	(X)	**10.5**	(X)	**5,107**	(X)	**2,105**	(X)	**213.6**
Selected health services [3]	**8.7**	**10.0**	**4,764**	**10,438**	**2,516**	**5,197**	**333.0**	**478.2**
Nursing and personal care facilities	2.3	3.0	2,216	4,752	1,203	2,597	201.8	283.2
Outpatient care facilities	4.2	4.7	1,805	3,957	918	1,657	85.2	108.9
Legal aid societies, similar legal services	**1.1**	**1.3**	**259**	**421**	**153**	**252**	**12.4**	**14.5**
Selected educational services	**4.1**	**4.3**	**702**	**1,150**	**315**	**487**	**49.4**	**52.7**
Social services	**41.0**	**52.6**	**8,295**	**16,455**	**4,124**	**7,521**	**876.5**	**903.9**
Child day care services	10.6	12.7	829	1,494	495	889	102.4	135.3
Selected membership organizations [3]	**58.1**	**61.3**	**8,480**	**15,093**	**3,073**	**5,196**	**417.3**	**492.8**
Business associations	11.7	12.1	2,308	4,651	822	1,468	68.8	80.2
Civic, social, and fraternal associations	34.1	35.5	3,606	5,557	1,342	2,078	255.9	295.8
Noncommercial educational, scientific, and research organizations	**1.9**	**1.9**	**1,437**	**2,733**	**595**	**977**	**47.8**	**48.9**

NA Not available. X Not applicable. [1] Data for number of establishments and receipts of firms subject to Federal income tax include establishments without payroll. Receipts refer to establishments subject to Federal income tax. Expenses refer to establishments exempt from Federal income tax. [2] For pay period including March 12. [3] Includes other kinds of businesses, not shown separately. [4] N.e.c. means not elsewhere classified. [5] Data revised since originally published; revisions not carried to the broader kind-of-business level.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1977,* Geographic Area Series, vol. II; *1982 Census of Service Industries,* Geographic Area Series, series SC82-A-52 and change sheet.

NO. 1347. SERVICES—ESTABLISHMENTS, EMPLOYEES, AND PAYROLL: 1980 TO 1986

[Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III]

SIC[1] code	KIND OF BUSINESS	ESTABLISHMENTS (1,000)			EMPLOYEES (1,000)			Payroll, 1986 (bil. dol.)
		1980	1985	1986	1980	1985	1986	
(1)	**Services, total**[2]	**1,278.2**	**1,711.8**	**1,811.3**	**17,186**	**21,549**	**22,878**	**381**
70	Hotels and other lodging places[2]	41.4	48.0	49.0	1,086	1,270	1,332	14
701	Hotels, motels, and tourist courts	32.1	37.0	37.6	1,034	1,210	1,269	13
72	Personal services[2]	152.3	175.2	179.0	953	1,069	1,117	11
721	Laundry, cleaning, and garment services[2]	40.2	44.9	45.9	359	372	384	4
7215	Coin-operated laundries and cleaning	9.7	10.4	10.4	36	37	39	2
7216	Dry cleaning plants, except rug	17.4	17.2	16.3	132	139	136	1
723	Beauty shops	65.7	72.1	73.3	285	318	332	3
726	Funeral service and crematories	14.0	14.6	14.4	71	75	77	1
73	Business services[2]	161.4	258.4	276.6	2,991	4,272	4,613	81
731	Advertising	10.6	15.6	16.2	140	185	187	6
7311	Advertising agencies	7.4	9.8	9.8	100	127	128	4
732	Credit reporting and collection	5.6	5.9	5.9	65	69	78	1
733	Mailing, reproduction, and stenographic services	14.6	20.3	20.6	136	190	198	4
7333	Commercial photography, art and graphics	7.0	10.2	10.1	53	64	65	2
734	Services to dwellings and other buildings	23.4	33.7	35.6	497	607	637	6
736	Personnel supply services[2]	13.7	17.9	19.0	569	865	971	11
7361	Employment agencies	8.0	10.0	10.5	109	158	192	3
7362	Temporary help supply services	5.2	7.5	8.1	416	669	738	7
737	Computer and data processing services[2]	13.6	26.1	27.1	303	515	554	16
7372	Computer programming and other software services	4.4	10.9	11.1	83	193	223	8
7374	Data processing services	6.2	7.6	7.3	187	253	256	6
739	Miscellaneous business services[2]	75.5	120.4	126.9	1,270	1,766	1,875	35
7391	Research and development laboratories	2.3	3.4	3.5	99	141	148	5
7392	Management and public relations	27.2	43.9	45.4	325	512	562	13
7393	Detective agencies and protective services	6.8	10.1	10.4	338	411	431	5
7394	Equipment rental and leasing services	12.1	23.0	26.1	115	216	222	4
7395	Photofinishing laboratories	2.7	5.0	5.3	75	75	76	1
75	Automotive repair, services, and garages[2]	99.5	127.6	133.6	560	678	727	11
751	Automotive rental, without drivers	8.7	9.7	9.8	101	120	138	2
7512	Passenger car rental and leasing	4.2	5.0	5.2	50	69	79	1
7513	Truck rental and leasing	4.1	4.2	3.9	49	49	56	1
753	Automotive repair shops	75.1	96.4	99.5	359	420	435	7
7531	Top and body repair shops	19.7	25.5	26.2	95	119	125	2
7538	General automotive repair shops	34.8	44.9	46.5	150	170	176	3
754	Automotive services, except repair	7.9	11.1	12.2	62	83	92	1
76	Miscellaneous repair services	48.0	56.7	58.4	319	327	339	6
7622	Radio and television repair	7.2	6.3	5.8	37	31	31	1
78	Motion pictures[2]	14.9	18.2	18.5	208	229	252	5
781	Motion picture production, distribution, and services	4.1	8.5	9.2	83	117	140	3
783	Motion picture theaters	9.5	8.6	8.2	109	96	97	1
79	Amusement and recreation services[2]	45.5	60.2	61.5	708	768	797	10
792	Theatrical producers, bands, orchestras, entertainers	5.9	7.8	7.6	96	97	103	2
7933	Bowling alleys	6.2	6.3	6.1	110	100	97	1
794	Commercial sports	2.1	2.5	2.5	60	68	65	2
7997	Membership sports and recreation clubs	9.5	13.2	13.1	172	215	220	3
80	Health services[2]	310.8	390.2	401.4	5,258	6,337	6,614	126
801	Offices of physicians	147.2	180.1	182.1	742	924	980	35
802	Offices of dentists	85.7	98.4	99.9	351	445	465	8
8041	Offices of chiropractors	8.9	15.3	16.8	22	42	48	1
8042	Offices of optometrists	12.5	14.6	14.6	38	50	52	1
805	Nursing and personal care facilities	12.8	16.0	16.5	1,002	1,206	1,270	12
806	Hospitals	5.3	5.8	5.7	2,673	2,944	2,974	56
807	Medical and dental laboratories	10.8	13.2	13.9	98	112	124	2
808	Outpatient care facilities	8.6	12.5	14.0	165	251	290	6
81	Legal services	97.3	125.7	128.7	503	685	746	22
82	Educational services[2]	23.3	30.1	31.0	1,241	1,517	1,562	22
821	Elementary and secondary schools	11.3	13.3	13.4	303	374	387	5
822	Colleges and universities	2.4	2.8	2.8	820	985	997	15
83	Social services[2]	60.6	88.1	92.8	1,023	1,291	1,368	13
836	Residential care	9.9	14.9	15.8	214	280	300	3
86	Membership organizations[2]	130.7	176.0	207.9	1,215	1,552	1,696	17
861	Business associations	11.1	11.7	11.6	79	87	90	2
863	Labor organizations	20.8	20.6	20.5	172	170	169	2
864	Civic and social associations	30.5	35.6	37.0	279	311	327	3
866	Religious organizations	56.0	93.0	122.3	573	851	966	7
891	Engineering and architectural services	37.5	53.2	55.9	524	667	706	21
893	Accounting, auditing and bookkeeping	40.8	58.1	60.8	302	400	432	9

[1] Standard Industrial Classification; see text, section 13. [2] Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

NO. 1348. SERVICE INDUSTRIES—ANNUAL RECEIPTS OF TAXABLE FIRMS: 1980 TO 1987

[In millions of dollars. Estimated]

SIC[1] code	KIND OF BUSINESS	1980	1983	1984	1985	1986	1987
70	Hotels, camps, and other lodging places	(NA)	(NA)	(NA)	44,414	45,952	51,097
701	Hotels, motels, and tourist courts	26,952	35,870	38,859	41,742	43,317	46,238
72	Personal services[2]	25,133	32,278	34,036	36,978	39,407	42,363
721	Laundry, cleaning, and garment services	9,213	10,621	11,895	12,641	13,062	13,895
723	Beauty shops	5,798	7,731	8,048	8,591	9,043	9,780
726	Funeral service and crematories	3,491	4,267	4,726	5,278	5,515	5,810
73	Business services[2]	(NA)	(NA)	(NA)	181,988	198,743	216,306
731	Advertising	(NA)	11,979	13,645	16,334	17,343	18,304
7311	Advertising agencies	(NA)	9,179	10,358	12,432	13,158	13,461
733	Mailing, reproduction, and stenographic services	(NA)	(NA)	(NA)	10,740	11,697	13,217
7333	Commercial photography, art, and graphics	(NA)	(NA)	(NA)	4,551	4,699	5,318
734	Services to dwellings and other buildings	(NA)	9,970	11,100	12,545	13,828	14,763
7349	Cleaning and maintenance services to dwellings, and other buildings, n.e.c.[3]	(NA)	(NA)	(NA)	10,036	11,242	11,906
736	Personnel supply services[2]	(NA)	10,662	14,066	16,006	18,019	21,717
7361	Employment agencies	(NA)	(NA)	(NA)	4,440	4,818	5,365
7362	Temporary help supply services	(NA)	(NA)	(NA)	9,199	10,447	13,443
737	Computer and data processing services	(NA)	24,673	28,613	32,093	35,796	39,274
7372	Computer programming and other software services	(NA)	9,448	11,411	12,590	14,389	16,832
7374	Data processing services	(NA)	11,034	12,409	13,321	14,425	14,959
7379	Computer related services, n.e.c.[3]	(NA)	4,191	4,793	6,182	6,982	7,484
7391	Research and development laboratories[4]	(NA)	(NA)	(NA)	7,696	8,866	9,242
7392	Management, consulting, and public relations services[4]	(NA)	(NA)	(NA)	33,515	36,785	38,479
7393	Detective agencies and protective services	(NA)	6,140	6,932	7,985	8,894	10,138
7394	Equipment rental and leasing services	(NA)	(NA)	(NA)	16,451	17,071	17,699
75	Automotive repair, services, and garages[2]	30,547	37,304	43,615	51,543	53,563	57,837
751	Automotive rental and leasing[2]	8,759	10,754	12,569	14,510	15,386	16,560
7512	Passenger car rental and leasing	4,691	6,124	7,365	8,743	9,319	9,911
7513	Truck rental and leasing	3,988	4,492	4,955	5,329	5,571	6,148
753	Automotive repair shops	18,077	22,697	25,877	30,883	32,024	34,749
76	Miscellaneous repair services	15,424	15,978	17,230	19,889	20,180	21,598
78	Motion pictures	12,509	14,630	15,797	17,002	18,205	20,753
781,2	Motion picture production, distribution, and allied services	(NA)	(NA)	(NA)	12,697	13,566	15,745
79	Amusement and recreation services[2]	(NA)	(NA)	(NA)	25,418	27,327	29,407
792	Theatrical producers, bands, orchestras, and entertainers[4]	(NA)	(NA)	(NA)	4,947	5,910	5,989
794	Commercial sports	(NA)	(NA)	(NA)	4,963	5,029	6,040
80	Health services[2][5]	(NA)	(NA)	(NA)	151,225	167,473	189,520
801	Offices of physicians	38,754	56,965	62,599	68,499	75,136	87,415
802	Offices of dentists	12,639	17,255	18,629	20,187	21,420	23,418
804	Offices of other health practitioners	(NA)	(NA)	(NA)	7,551	8,315	9,630
805	Nursing and personal care facilities[4]	(NA)	(NA)	(NA)	17,632	19,225	20,258
806	Hospitals[4]	(NA)	(NA)	(NA)	18,796	21,597	23,572
808	Outpatient care facilities[4]	(NA)	(NA)	(NA)	8,967	11,104	13,422
81	Legal services[4][5]	(NA)	(NA)	(NA)	51,677	57,143	64,510
891	Engineering and architectural services	(NA)	36,240	39,067	43,617	45,397	50,468
893	Accounting, auditing, and bookkeeping	(NA)	17,113	18,984	22,308	24,062	27,949
4722	Arrangement of passenger transportation	(NA)	4,784	5,765	6,965	6,424	7,030
653	Real estate agents and managers[5]	(NA)	21,773	25,408	31,257	34,859	38,145

NA Not available. [1] Standard Industrial Classification; see text, section 13. [2] Includes other kinds of businesses, not shown separately. [3] N.e.c. means not elsewhere classified. [4] For data on tax-exempt organizations, see table 1349. [5] Excludes nonemployers.

NO. 1349. SELECTED SERVICE INDUSTRIES—ANNUAL REVENUES OF TAX-EXEMPT FIRMS: 1985 AND 1987

[In millions of dollars. Estimated]

SIC[1] code	KIND OF BUSINESS	1985	1987	SIC[1] code	KIND OF BUSINESS	1985	1987
7391,2,7	Selected business services[2]	4,657	6,525	81	Legal services	374	520
792,7997, 7999	Selected amusement services[3]	5,583	6,832	833	Job training and vocational rehabilitation services	3,399	3,980
805,6,8,9	Selected health services[4]	141,580	175,909	835	Child day care services	2,971	3,724
805	Nursing and personal care facilities	6,606	7,946	836	Residential care	5,737	7,101
806	Hospitals	125,218	156,163	892	Noncommercial educational, scientific, and research organizations	4,440	5,582
808	Outpatient care facilities	6,645	7,874				

[1] Standard Industrial Classification; see text, section 13. [2] Covers research and development laboratories (SIC 7391); management, consulting, and public relations services (SIC 7392); and commercial testing laboratories (SIC 7397). [3] Covers theatrical producers, bands, orchestras, and entertainers (SIC 792); membership sports and recreation clubs (SIC 7997); and amusement and recreation services, not elsewhere classified (SIC 7999). [4] Includes health and allied services, not elsewhere classified (SIC 809).

Source of tables 1348 and 1349: U.S. Bureau of the Census, *Current Business Reports*, series BS, *1987 Service Annual Survey*.

No. 1350. Hotel and Motor Hotel Operations—Occupancy Ratio, Sales Indexes, and Room Rate Index: 1970 to 1987

[Annual averages of monthly figures. Based on monthly reports from lodging establishments (approximately 1,400 in 1985). Prior to 1980, economy operations were excluded. See table 1351]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Occupancy ratio (percent)	**55**	**62**	**68**	**72**	**71**	**68**	**67**	**65**	**65**	**66**	**64**	**65**	**66**
Sales indexes (1967=100):													
Total sales	107	132	163	186	210	234	251	256	267	289	294	306	323
Room sales	112	145	185	216	249	283	305	313	329	361	370	390	413
Restaurant sales	100	119	139	156	167	180	191	193	198	209	209	214	219
Room rate index (1967=100)	**125**	**165**	**194**	**220**	**255**	**295**	**326**	**348**	**361**	**387**	**404**	**419**	**435**

Source: Laventhol & Horwath, Philadelphia, PA, *National Trend of Business in the Lodging Industry*, monthly. (Copyright.)

No. 1351. The Lodging Industry, by Type of Establishment—Summary: 1985 to 1987

[An economy lodging establishment offers clean, standard-sized, fully-furnished modern rooms at usually $10.00 to $20.00 per night below the rate of typical full-service motor hotels. Their customers do not need food facilities, banquet rooms or meeting facilities, indoor recreation areas, or entertainment. An All-suite hotel doesn't have rooms, only suites. A suite differs from a hotel room by several characteristics. Generally, there is a separate bedroom, and guest amenities often include "extras" such as a wet bar or microwave, and in some cases a full-kitchen. A resort hotel is a lodging facility providing an environment conducive to leisure and recreation and an ambiance of isolation/destination while providing a full range of leisure oriented amenities. Based on Annual Surveys of Lodging Establishments. Covers approximately 800 full-service, 300 economy, 60 all suite, and 180 resort establishments in 1986. All figures except percents are medians. For definition of median, see Guide to Tabular Presentation]

ITEM	FULL-SERVICE		ECONOMY		ALL-SUITE		RESORT	
	1986	**1987**	**1986**	**1987**	**1985**	**1986**	**1986**	**1987**
Room occupancy rate	64.9	65.3	66.3	65.3	69.3	70.3	66.6	63.5
Average room rate (dol.)	56.29	57.84	29.04	30.69	72.44	63.33	66.14	83.01
Sales per available room (dol.)	21,739	22,665	7,719	7,700	22,045	17,891	25,460	16,947
Payroll and related expenses per available room (dol.)	6,790	(NA)	1,598	1,274	6,376	6,713	9,244	(NA)
Ratio of net income before income tax to sales	−3.6	−4.0	20.8	13.6	(NA)	(NA)	.1	1.9
Employees [1] per 100 available rooms	41.7	(NA)	(NA)	(NA)	38.9	41.8	61.5	79.6
Sales per employee [1] (dol.)	48,582	(NA)	(NA)	(NA)	43,134	48,513	44,106	(NA)
Composition of market—(percent):								
Business travelers/government officials	39.2	40.3	58.9	43.4	57.8	59.9	8.9	9.2
Tourists	34.6	32.8	31.5	42.8	26.7	22.6	66.7	58.7
Conference participants	15.2	20.0	4.9	4.1	12.8	11.2	21.9	29.4
Percent advanced reservations	68.8	71.3	44.2	36.1	80.8	81.9	82.2	85.9

NA Not available. [1] Full-time equivalent employees.

Source: Laventhol & Horwath, Philadelphia, PA, *U.S. Lodging Industry*, annual; *U.S. All-Suite Lodging Industry*, annual; *U.S. Economy/Limited-Service Lodging Industry*, annual; and *U.S. Resort Lodging Industry*, annual.

No. 1352. Computer and Data Processing Services—Receipts, by Source: 1977 and 1982

[**In millions of dollars.** For establishments with payroll]

RECEIPT SOURCE	TOTAL		COMPUTER PROGRAMMING [1]		DATA PROCESSING				COMPUTER RELATED SERVICES (n.e.c.) [3]	
					Total		Excluding facilities management [2]			
	1977	**1982**	**1977**	**1982**	**1977**	**1982**	**1977**	**1982**	**1977**	**1982**
Total	**7,476**	**21,810**	**1,992**	**8,186**	**4,474**	**10,099**	**4,058**	**9,406**	**1,010**	**3,526**
Programming, systems analysis and design: [1]										
Prepackaged	1,984	1,608	1,771	1,515	192	78	185	70	(NA)	14
Custom		4,582		4,175		377		352		31
Research and development [4]	35	69	24	53	10	12	10	11	(NA)	4
Data processing and preparation	3,736	8,631	72	249	3,652	8,371	3,642	8,357	(NA)	11
Facilities management	445	696	25	34	416	657	16	43	(NA)	6
Rental or leasing [5] of data processing equipment	452	1,063	13	131	21	90	21	85	(NA)	842
Rental, sales, licensing of integrated systems	568	1,708	30	1,501	55	185	54	181	(NA)	22
Consulting and planning [6]		713		167		111		98		436
Maintenance of equipment		2,155		156		20		18		1,979
Other sources	255	583	57	205	128	196	127	190	(NA)	181

NA Not available. [1] And related software. [2] Operation of customers' in-house operation. [3] Not elsewhere classified. [4] Of hardware. [5] Except finance leasing. [6] Except programming services.

Source: U.S. Bureau of the Census, *Census of Service Industries: 1977*, Subject Series, SC-77-S-9, and *1982 Census of Service Industries*, Miscellaneous Subjects, SC 82-I-5.

No. 1353. Service Industries—Summary of Establishments with Payroll, by State: 1982

DIVISION AND STATE	FIRMS SUBJECT TO FEDERAL INCOME TAX										TAX-EXEMPT FIRMS	
	Establishments				Receipts (mil. dol.)				Annual payroll (mil. dol.)	Paid employees [3] (1,000)	Establishments	Revenue (mil. dol.)
	Total [1] (1,000)	Business services	Personal services	Automotive repair [2]	Total [1]	Business services	Personal services	Automotive repair [2]				
U.S.	**1,261.7**	**215,125**	**167,749**	**115,481**	**426,982**	**106,866**	**22,980**	**30,695**	**158,625**	**11,106.1**	**147,061**	**61,488**
N.E.:												
ME	5.9	614	661	537	1,204	141	71	120	420	37.9	1,133	266
NH	5.5	853	695	498	1,246	234	86	116	457	38.2	990	210
VT	3.2	376	391	261	662	73	38	43	224	23.2	772	144
MA	33.9	6,092	4,861	3,104	13,317	4,071	618	862	5,363	353.3	5,022	2,584
RI	5.4	851	857	544	1,351	310	85	119	514	41.3	811	324
CT	19.6	4,065	2,872	1,577	6,408	1,959	379	437	2,392	170.9	2,495	927
M.A.:												
NY	102.9	21,477	13,073	8,214	43,804	14,745	1,948	2,210	15,777	982.6	11,693	8,277
NJ	45.5	8,959	6,254	4,052	16,349	4,618	802	1,058	6,020	401.4	3,544	1,364
PA	55.0	8,255	8,152	5,996	19,083	4,581	1,038	1,390	7,045	485.9	9,424	3,287
E.N.C.:												
OH	52.1	7,922	8,066	5,039	15,515	3,680	1,096	1,331	6,091	450.8	7,129	2,557
IN	24.4	3,493	3,768	2,577	6,252	1,170	499	622	2,313	187.6	3,622	1,036
IL	57.6	11,453	7,746	5,030	21,396	6,130	1,206	1,501	8,170	547.7	6,934	3,994
MI	43.7	6,390	5,802	3,887	13,448	3,155	839	1,070	5,312	362.8	5,076	1,888
WI	22.6	3,271	3,845	1,925	5,956	1,077	433	472	2,450	190.3	3,222	1,085
W.N.C.:												
MN	20.0	3,578	2,895	1,706	6,472	1,502	426	462	2,535	198.0	3,575	1,747
IA	14.6	1,671	2,544	1,526	3,364	640	250	299	1,209	105.7	2,685	727
MO	25.6	3,974	4,015	2,659	8,160	2,124	505	730	3,078	225.3	3,072	1,217
ND	3.1	382	599	292	811	106	64	75	310	23.4	719	180
SD	3.5	394	540	357	674	75	53	61	234	21.4	746	154
NE	8.5	1,174	1,439	944	2,229	496	156	210	803	66.3	1,403	409
KS	12.7	1,796	1,933	1,312	3,064	592	235	267	1,140	92.1	2,171	493
S.A.:												
DE	[illegible]	[illegible]	474	299	850	171	50	90	330	27.4	485	153
MD	[illegible]	[illegible]	[illegible]	1,798	8,583	3,107	447	538	3,404	228.1	2,580	1,411
DC	[illegible]	[illegible]	508	[illegible]	4,218	1,156	99	123	1,597	88.4	2,008	3,193
VA	[illegible]	[illegible]	[illegible]	2,496	8,177	2,882	553	616	3,675	255.3	3,145	1,552
WV	7.4	[illegible]	[illegible]	630	1,750	201	146	109	633	50.2	1,241	264
NC	27.1	[illegible]	[illegible]	[illegible]	6,268	1,205	538	586	2,371	198.4	3,076	830
SC	13.9	[illegible]	[illegible]	[illegible]	3,301	490	243	276	1,255	105.1	1,383	291
GA	28.2	[illegible]	[illegible]	[illegible]	8,795	2,332	495	766	3,231	242.8	2,659	842
FL	68.7	[illegible]	[illegible]	5,757	21,542	4,539	1,095	1,736	8,082	600.7	5,468	1,957
E.S.C.:												
KY	[illegible]	1,681	[illegible]	1,356	3,676	579	300	288	1,336	111.9	1,882	527
TN	[illegible]	3,063	2,311	2,099	6,344	1,504	446	509	2,346	177.3	2,483	719
AL	[illegible]	2,127	2,684	1,691	4,330	777	291	406	1,606	125.6	1,681	422
MS	9.7	1,062	1,460	984	2,172	333	151	187	782	68.2	1,309	266
W.S.C.:												
AR	10.1	[illegible]	1,536	1,083	2,177	278	181	221	805	68.6	1,339	298
LA	[illegible]	[illegible]	2,344	2,035	7,696	2,075	361	467	2,685	202.3	1,726	495
OK	16.7	[illegible]	1,980	1,483	5,097	1,182	305	367	1,794	132.9	1,785	509
TX	85.7	16,196	10,946	8,481	32,038	8,159	1,754	2,481	11,442	783.0	7,167	2,594
Mt.:												
MT	5.0	584	604	483	1,006	112	58	95	345	31.6	977	163
ID	5.1	591	682	484	1,088	169	70	97	396	33.5	626	303
WY	3.5	462	368	302	894	178	39	69	280	22.9	538	94
CO	[illegible]	4,077	2,415	1,944	7,325	1,660	349	548	2,596	191.1	2,239	920
NM	7.4	1,058	988	721	2,408	943	102	157	883	61.2	954	255
AZ	17.3	3,175	2,132	1,507	5,070	1,113	292	395	1,881	147.8	1,591	538
UT	7.9	1,290	743	744	2,173	416	104	224	770	59.8	647	181
NV	6.2	1,052	671	492	6,060	520	149	162	2,112	152.3	453	93
Pac.:												
WA	25.4	3,914	3,321	2,148	7,359	1,673	405	547	2,794	198.1	3,349	1,108
OR	16.3	2,386	1,857	1,375	3,899	686	223	328	1,430	112.3	2,053	551
CA	170.4	31,469	16,868	14,991	67,083	16,387	2,761	4,536	24,569	1,530.9	14,561	7,453
AK	2.6	523	237	164	1,155	248	46	67	434	21.2	558	198
HI	6.1	1,024	663	567	2,660	314	101	249	904	71.1	860	433

[1] Includes other kinds of businesses not shown separately.
[2] Includes services and garages.
[3] For the pay period including March 12.

Source: U.S. Bureau of the Census, *1982 Census of Service Industries,* Geographic Area Series, SC82-A-1 to 52.

Section 29

Foreign Commerce and Aid

This section presents data on the flow of goods, services, and capital between the United States and other countries; changes in official reserve assets of the United States; international investments; foreign assistance programs; and import duties.

The Bureau of Economic Analysis publishes current figures on U.S. international transactions and the U.S. international investment position in its monthly *Survey of Current Business.* Figures for earlier periods are presented in *Balance of Payments—Statistical Supplement,* 1963 revised edition, in the periodic *Foreign Grants and Credits by the United States Government,* and in the June issues of the *Survey of Current Business.* Statistics for the foreign aid programs are presented by the Agency for International Development (AID) in its annual *U.S. Overseas Loans and Grants and Assistance from International Organizations;* and by the Department of Agriculture in its *Foreign Agricultural Trade of the United States.*

The principal source of merchandise import and export data is the Bureau of the Census. Current data are presented monthly in Report FT 135, *U.S. General Imports, Schedule A: Commodity by Country;* Report FT 410, *U.S. Exports, Schedule E: Commodity by Country;* and Report FT 990, *Highlights of U.S. Export and Import Trade.* The *Bureau of the Census Catalog* and the *Guide to Foreign Trade Statistics* lists the Bureau's monthly and annual reports in this field. In addition, the International Trade Administration and the Bureau of Economic Analysis present summary as well as selected commodity and country data for U.S. foreign trade in the *Overseas Business Reports* and the *Survey of Current Business,* respectively. The merchandise trade data in the latter source include balance of payments adjustments to the Census data. The Treasury Department's *Monthly Treasury Statement of Receipts and Outlays of the United States Government* contains information on import duties.

International accounts.—The international transactions tables (Nos. 1354-1356) show, for given time periods, the transfer of goods, services, grants, and financial assets and liabilities between the United States and the rest of the world. The international investment position table (No. 1357) presents, for specific dates, the value of U.S. investments abroad and of foreign investments in the United States. The movement of foreign and U.S. capital as presented in the balance of payments is not the only factor affecting the total value of foreign investments. Among the other factors are changes in the valuation of assets or liabilities, including changes in prices of securities, defaults, expropriations, and write-offs.

Direct investment abroad means the ownership or control, directly or indirectly, by one person of 10 percent or more of the voting securities of an incorporated business enterprise or an equivalent interest in an unincorporated business enterprise. Direct investment position is the value of U.S. parents' claims on the equity of, and receivables due from, foreign affiliates, less foreign affiliates' receivables due from their U.S. parents. Income consists of parents' shares in the earnings of their affiliates plus net interest received by parents on intercompany accounts, less withholding taxes on dividends and interest.

Foreign aid.—Foreign assistance is divided into three major categories—grants (military supplies and services and other grants), credits, and other assistance (through net accumulation of foreign currency claims from the sale of agricultural commodities). *Grants* are transfers for which no payment is expected (other than a limited percentage of the foreign currency "counterpart" funds generated by the grant), or which at most involve an obligation on the part of the receiver to extend aid to the United States or other countries to achieve a common objective. *Credits* are loan disbursements or transfers under other agreements which give rise to specific obligations to repay, over a period of years, usually with interest. All known returns to the U.S. Government stemming from grants and credits (reverse grants, returns of grants, and payments of principal) are taken into account in net grants and net credits, but no allowance is made for interest or commissions. *Other assistance* represents the transfer of U.S. farm products in exchange for foreign currencies (plus, since enactment of Public Law 87-128, currency claims from principal and interest collected on credits extended under the farm products program), *less* the Government's disbursements of the currencies as grants, credits, or for purchases. The net acquisition of currencies represents net transfers of resources to foreign countries under the agricultural programs, in addition to those classified as grants or credits.

Figures as published in the *Foreign Grants and Credits* series are not identical with figures shown for Government unilateral transfers and capital in the balance of payments, mainly because of differences in treatment of particular items by the two sets of accounts. Such items include contributions to the multilateral construction program of the North Atlantic Treaty Organization, Government investments in certain productive enterprises abroad, Government receipts on funded claims, and net changes in foreign currency holdings resulting from transactions other than those under the farm products program, such as collections of principal and interest and purchases for dollars.

The basic instrument for extending military aid to friendly nations has been the Mutual Defense Assistance Program authorized by the Congress in 1949. Prior to 1952, economic and technical aid was authorized in the Foreign Assistance Act of 1948, the 1950 Act for International Development, and other legislation which set up programs for specific countries. In 1952, these economic, technical, and military aid programs were combined under the Mutual Security Act, which in turn was followed by the Foreign Assistance Act passed in 1961. Appropriations to provide military assistance were also made in the Department of Defense Appropriation Act (rather than the Foreign Assistance Appropriation Act) beginning in 1966 for certain countries in Southeast Asia and in other legislation concerning programs for specific countries (such as Israel). Figures on activity under the Foreign Assistance Act as reported in the *Foreign Grants and Credits* series differ from data published by AID or its immediate predecessors, due largely to differences in reporting, timing, and treatment of particular items.

Exports.—The Bureau of the Census compiles export data primarily from Shipper's Export Declarations required to be filed with customs officials for shipments leaving the United States. They include U.S. exports under mutual security programs and exclude shipments to U.S. Armed Forces for their own use.

The value reported in the export statistics is generally equivalent to a free alongside ship (f.a.s.) value at the U.S. port of export, based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. This value, as defined, excludes the cost of loading merchandise aboard the exporting carrier and also excludes freight, insurance, and any other charges or transportation and other costs beyond the U.S. port of exportation. The country of destination is defined as the country of ultimate destination or country where the merchandise is to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. When ultimate destination is not known, the shipment is statistically credited to the last country to which the shipper knows the merchandise will be shipped in the same form as exported.

For certain low-valued shipments, the export statistics since July 1953 include estimates based upon selected samples of such shipments with lower and upper value limits of the sampled shipments varying (Canada excepted) from $100-$499 for July 1953-September 1969, $251-$499 for October 1969-February 1979, and $501-$999, for March 1979-June 1981. For July 1981-December 1984, the statistics for countries other than Canada reflect fully compiled data for shipments valued over $500. For Canada, the upper value limit was $1,999 during the period January 1963-December 1984, and lower value limits were raised to $251 and $501 in October 1969 and March 1979, respectively. Beginning 1985, data for low-valued exports to all countries are estimated using factors based on the ratios of low-valued shipments to individual country totals. From January, 1985 through December 1986, data are estimated for all shipments valued under $1,001. Effective January 1987, data are estimated for shipments valued under $1,501. Shipments valued under $1,501 represent slightly less than 2.5 percent of the total value of exports.

Beginning January 1978, the Export Classification Schedule was based upon Schedule E, Standard International Trade Classification, Revision 2. This revision affects the comparability of some export statistics.

Imports.—The Bureau of the Census compiles import data from various customs forms required to be filed with customs officials. From 1974-1981, data on import values were presented on three bases: The transaction values f.a.s. (free alongside ship) at the foreign port of export, the c.i.f. (cost, insurance, and freight), and the previously reported customs import value (as appraised by the U.S. Customs Service in accordance with legal requirements of the Tariff Act of 1930, as amended). This latter valuation, primarily used for collection of import duties, frequently did not reflect the actual transaction value. Beginning 1982, import data are based on customs values, i.e., the price paid by the buyer to the seller in accordance with the 1979 Trade Agreement Act amendments to the 1930 Tariff Act. For the c.i.f. imports, the new customs value was substituted for the arms-length transaction value used for 1981 and earlier years. The f.a.s. transaction values were discontinued as of January 1982. Country of origin is defined as country where the merchandise was grown, mined, or manufactured. If country of origin is unknown, country of shipment is reported.

Imports are classified either as "General imports" or "Imports for consumption." General imports are a combination of entries for immediate consumption, entries into customs bonded warehouses, and entries into U.S. Foreign Trade Zones, thus generally reflecting total arrivals of merchandise. Imports for consumption are a combination of entries for immediate consumption, withdrawals from warehouses for consumption, and entries of merchandise into U.S. customs territory from U.S. Foreign Trade Zones, thus generally reflecting the total of the commodities entered into U.S. consumption channels.

Since July 1953, the import statistics include estimates, not classified by commodity, for certain low-valued shipments. For July 1953-July 1965, entries valued under $100, in general, were estimated, while entries valued under $251 have been estimated for the period July 1965-December 1984. Since January 1985, import statistics include estimates for shipments valued under $1,001. The estimated low-valued shipments generally amount to about 4 percent of the import total.

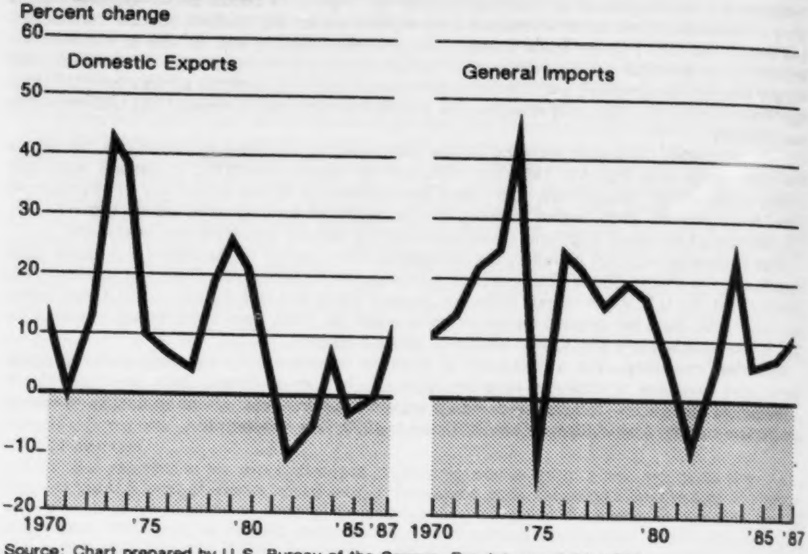
Area coverage.—Except as noted, the geographic area covered by the export and import trade statistics is the United States Customs area (includes the 50 States, the District of Columbia and Puerto Rico), the U.S. Virgin Islands (effective January 1981), and U.S. Foreign Trade Zones (effective July 1982). Data for selected tables and total values for 1980, have been revised to reflect the U.S. Virgin Islands' trade with foreign countries, where possible.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Figure 29.1

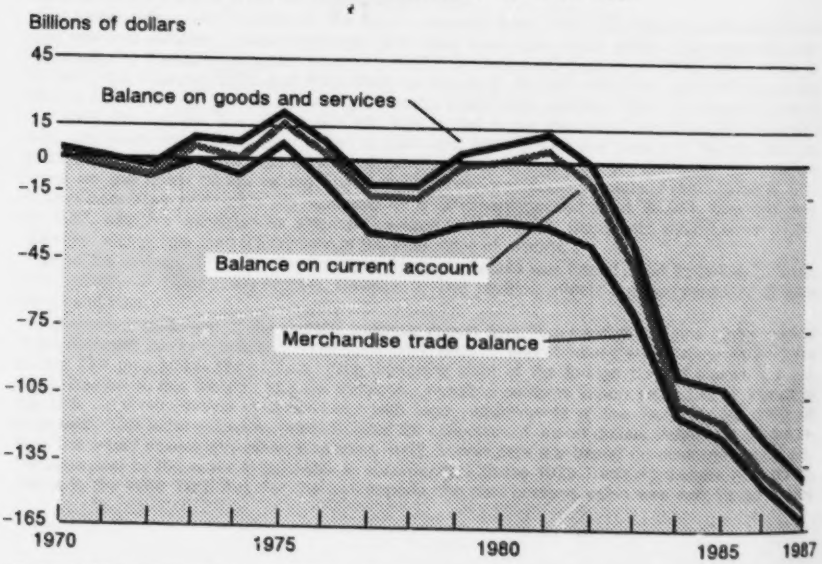
U.S Exports and Imports-Annual Percent Change: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1369.

Figure 29.2

U.S. International Transaction Balances: 1970 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1354.

No. 1354. U.S. International Transactions—Summary: 1960 to 1988

[In billions of dollars. Reserve assets are for end of period. Minus sign (–) indicates debits, see headnote, table 1356]

YEAR	Merchandise trade balance [1]	Net investment income	Net military transactions	Net travel and transportation receipts	Other services, net	Balance on goods and services	Unilateral transfers [1]	Balance on current account	Net foreign assets in U.S.	Net U.S. assets abroad	Net U.S. official reserve assets
1960	4.9	3.4	–2.8	–1.0	.6	5.2	–2.4	2.8	2.3	–4.1	19.4
1965	5.0	5.3	–2.1	–1.3	1.5	8.4	–2.9	5.4	.7	–5.7	15.5
1966	3.8	5.0	–2.9	–1.3	1.5	6.1	–3.1	3.0	3.7	–7.3	14.9
1967	3.8	5.3	–3.2	–1.8	1.7	5.8	–3.3	2.6	7.4	–9.8	14.8
1968	.6	6.0	–3.1	–1.5	1.8	3.7	–3.1	.6	9.9	–11.0	15.7
1969	.6	6.0	–3.3	–1.8	2.0	3.5	–3.1	.4	12.7	–11.6	17.0
1970	2.6	6.2	–3.4	–2.0	2.3	5.8	–3.4	2.3	6.4	–9.3	14.5
1971	–2.3	7.3	–2.9	–2.3	2.6	2.4	–3.9	–1.4	23.0	–12.5	12.2
1972	–6.4	8.2	–3.4	–3.1	3.0	–1.7	–4.1	–5.8	21.5	–14.5	13.2
1973	.9	12.2	–2.1	–3.2	3.4	11.2	–4.1	7.1	18.4	–22.9	14.4
1974	–5.5	15.5	–1.7	–3.2	4.2	9.4	–7.4	2.0	34.2	–34.7	15.9
1975	8.9	12.8	–.7	–2.8	4.9	23.0	–4.9	18.1	15.7	–39.7	16.2
1976	–9.5	16.0	.6	–2.6	5.0	9.5	–5.3	4.2	36.5	–51.3	18.7
1977	–31.1	18.0	1.5	–3.6	5.7	–9.5	–5.0	–14.5	51.3	–34.8	19.3
1978	–33.9	20.6	.6	–3.6	6.5	–9.9	–5.6	–15.4	64.0	–61.1	18.7
1979	–27.5	31.2	–1.8	–2.9	6.2	5.1	–6.1	–1.0	38.8	–64.3	19.0
1980	–25.5	30.4	–2.2	–1.0	7.8	9.5	–7.6	1.9	58.1	–86.1	26.8
1981	–28.0	34.1	–1.2	.1	9.3	14.3	–7.5	6.9	83.0	–111.0	30.1
1982	–36.4	28.7	–.3	–1.0	9.3	.3	–9.0	–8.7	93.7	–121.2	34.0
1983	–67.1	24.9	–.2	–4.2	9.9	–36.8	–9.5	–46.2	84.9	–49.8	33.7
1984	–112.5	18.5	–2.1	–8.6	9.8	–95.0	–12.1	–107.1	102.6	–22.3	34.9
1985	–122.1	25.9	–3.4	–10.0	9.6	–100.1	–15.0	–115.1	129.9	–32.6	43.2
1986	–144.5	23.1	–4.4	–9.3	11.6	–123.5	–15.3	–138.8	221.3	–98.0	48.5
1987	–160.3	20.4	–2.4	–10.3	12.0	–140.5	–13.4	–154.0	211.5	–76.0	45.8
1988, 1st quarter	–35.2	1.2	–1.0	–2.1	3.4	–33.8	–3.1	–36.9	26.1	6.6	43.2
2d quarter	–29.9	–1.7	–.9	–1.4	3.5	–30.4	–2.9	–33.3	62.3	–13.3	41.0

[1] Excludes military grants.

Source: U.S. Council of Economic Advisers, *Economic Indicators*, monthly; and *Economic Report of the President*, annual. Data from U.S. Bureau of Economic Analysis and U.S. Dept. of the Treasury.

No. 1355. U.S. Balances on International Transactions, by Area and Selected Country: 1985 to 1987

[In millions of dollars. Minus sign (–) indicates debits]

AREA OR COUNTRY	1985, BALANCE ON—			1986, BALANCE ON—			1987, BALANCE ON—		
	Merchandise trade [1]	Goods and services	Current account	Merchandise trade [1]	Goods and services	Current account	Merchandise trade [1]	Goods and services	Current account
All areas	**–122,146**	**–100,093**	**–115,103**	**–144,547**	**–123,520**	**–138,828**	**–160,280**	**–140,519**	**–153,964**
Western Europe	–21,439	–27,654	–28,276	–28,409	–33,649	–34,039	–27,457	–34,162	–34,112
European Economic Community [2]	–17,400	–22,502	–22,283	–22,149	–26,692	–26,427	–21,867	–26,188	–25,623
United Kingdom	–3,388	–5,381	–5,171	–3,881	–12,365	–12,089	–3,418	–12,490	–12,181
Belgium-Luxembourg	1,536	2,858	2,844	1,521	3,752	3,725	1,917	4,008	3,978
France	–2,810	–1,878	–1,948	–2,380	–773	–853	–2,491	–257	–337
West Germany	–10,596	–16,458	–15,971	–14,052	–18,244	–17,493	–15,404	–19,493	–18,561
Italy	–4,798	–4,492	–4,705	–5,599	–3,227	–3,463	–5,567	–4,204	–4,445
Netherlands	3,130	2,810	2,792	3,151	4,096	4,077	3,252	3,774	3,755
Other Western Europe	–4,039	–5,151	–5,993	–6,260	–6,957	–7,612	–5,590	–7,974	–8,489
Eastern Europe	1,411	1,606	1,402	65	605	446	319	253	94
Canada	–15,004	–5,322	–5,565	–13,020	–2,290	–2,567	–12,555	–65	–361
Latin America, other Western Hemisphere	–15,321	–6,929	–9,723	–11,177	–4,080	–6,736	–12,273	–10,319	–13,350
Mexico	–5,718	–4,131	–4,622	–5,343	–4,990	–5,480	–5,740	–5,633	–6,189
Venezuela	–3,458	–2,502	–2,520	–1,709	–1,133	–1,151	–2,094	–1,351	–1,381
Australia	2,363	3,614	3,573	2,494	3,608	3,562	2,339	4,254	4,206
South Africa [3]	–725	–334	–348	–1,327	–723	–546	176	888	874
Japan [4]	–43,506	–45,140	–45,208	–54,422	–56,042	–56,109	–56,944	–58,476	–58,544
Other Asia and Africa	–29,845	–21,604	–31,363	–38,751	–31,881	–42,600	–53,419	–44,395	–53,328
Int'l. and unallocated	192	1,817	577	-	932	–23	-	2,063	1,154

- Represents zero. [1] Adjusted to balance of payments basis; excludes exports under U.S. military sales contracts and imports under direct defense expenditures. [2] Includes Denmark, Greece, Ireland, European Atomic Energy Community, European Coal and Steel Community, and European Investment Bank, not shown separately. Beginning in 1986, also includes Spain and Portugal, not shown seperately. [3] Includes New Zealand. [4] Includes Ryukyu Islands.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1988.

No. 1356. U.S. International Transactions by Type of Transaction: 1970 to 1987

[In **millions of dollars.** Minus sign (−) indicates debits. See also *Historical Statistics, Colonial Times to 1970,* series U 1-25]

TYPE OF TRANSACTION	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Exports of goods and services [1]	**65,674**	**155,729**	**219,994**	**286,796**	**342,485**	**376,499**	**349,570**	**334,534**	**360,772**	**360,574**	**375,053**	**424,823**
Merchandise, excl. military [2 3]	42,469	107,088	142,054	184,473	224,269	237,085	211,198	201,820	219,900	215,935	223,969	249,570
Foods, feeds, and beverages	5,874	19,234	25,287	30,171	35,893	38,338	31,783	31,754	31,790	24,140	23,129	24,586
Industrial supplies and materials	13,795	29,789	38,820	57,812	71,583	69,743	63,622	58,416	63,296	60,275	64,066	69,115
Capital goods, except automotive	14,659	36,639	46,714	59,183	75,140	82,426	74,345	69,230	74,273	76,519	79,342	88,100
Automotive vehicles and parts [4]	3,870	10,794	15,522	18,065	17,088	19,284	16,984	18,316	22,147	24,728	24,917	26,290
Consumer goods (nonfood) [5]	2,798	6,560	10,520	12,899	16,311	16,142	14,536	13,968	13,818	13,134	14,612	17,952
Transfers under U.S. military agency sales contracts	1,501	4,049	7,973	6,516	8,274	10,041	11,986	12,344	9,817	8,738	8,583	11,529
Travel and transportation	6,000	11,576	16,922	20,568	24,797	28,584	27,864	27,147	28,308	29,519	32,095	37,161
Miscellaneous services	3,957	7,666	10,801	11,107	12,641	14,378	14,952	15,972	16,839	17,547	20,296	22,807
Income on U.S. assets abroad	11,747	25,351	42,245	64,132	72,506	86,411	83,549	77,251	85,906	88,837	90,110	103,756
Direct investment	8,169	16,595	25,458	38,183	37,146	32,549	21,381	20,499	21,217	33,202	38,417	52,308
Other private receipts	2,671	7,644	14,944	23,654	32,798	50,182	58,050	51,920	59,464	50,131	45,273	46,116
U.S. Government receipts	907	1,112	1,843	2,295	2,562	3,680	4,118	4,832	5,227	5,504	6,420	5,332
Transfer of goods and services under U.S. military grants, net	**2,713**	**2,207**	**236**	**465**	**756**	**679**	**585**	**180**	**153**	**46**	**101**	**58**
Imports of goods and services	**−59,901**	**−132,745**	**−229,869**	**−281,659**	**−333,020**	**−362,155**	**−349,292**	**−371,300**	**−455,746**	**−460,667**	**−498,573**	**−565,342**
Merchandise, excl. military [2 3]	−39,866	−98,185	−176,001	−212,009	−249,749	−265,063	−247,642	−268,900	−332,422	−338,083	−368,516	−409,850
Foods, feeds, and beverages	−6,147	−9,642	−15,836	−18,001	−18,548	−18,531	−17,462	−18,871	−21,873	−21,873	−24,345	−24,749
Industrial supplies and materials	−15,343	−50,638	−83,221	−108,464	−132,256	−134,944	−110,922	−109,193	−124,026	−113,678	−104,264	−114,090
Capital goods, except automotive	−3,978	−10,166	−19,356	−24,460	−31,420	−36,912	−38,407	−43,193	−60,460	−61,434	−72,139	−84,787
Automotive vehicles and parts [4]	−5,515	−12,085	−25,009	−26,454	−28,058	−30,885	−34,040	−43,218	−56,561	−65,077	−78,110	−85,151
Consumer goods (nonfood) [5]	−7,403	−13,211	−29,399	−31,207	−34,222	−38,302	−39,661	−47,200	−61,155	−66,345	−79,179	−86,676
Direct defense expenditures	−4,855	−4,795	−7,352	−8,294	−10,511	−11,224	−12,260	−12,587	−11,916	−12,169	−12,955	−13,897
Travel and transportation	−8,036	−14,388	−20,495	−23,503	−25,794	−28,440	−28,876	−31,374	−36,912	−39,568	−41,439	−47,442
Miscellaneous services	−1,628	−2,813	−4,342	−4,893	−4,848	−5,100	−5,632	−6,064	−7,079	−7,947	−8,696	−10,772
Income on foreign assets in U.S	−5,516	−12,564	−21,680	−32,960	−42,120	−52,329	−54,883	−52,376	−67,419	−62,901	−66,968	−83,381
Direct investment	−875	−2,234	−4,211	−6,357	−8,635	−6,898	−32,155	−5,598	−9,229	−6,079	−5,379	−10,504
Other private payments	−3,617	−5,788	−8,795	−15,481	−20,983	−28,553	−33,443	−28,953	−38,421	−35,516	−38,982	−48,825
U.S. Government payments	−1,024	−4,542	−8,674	−11,122	−12,592	−16,878	−18,285	−17,825	−19,769	−21,306	−22,609	−24,052
U.S. military grants of goods and services, net	**−2,713**	**−2,207**	**−236**	**−465**	**−756**	**−679**	**−585**	**−180**	**−153**	**−46**	**−101**	**−58**
Unilateral transfers (excl. military grants), net	**−3,443**	**−4,868**	**−5,552**	**−6,128**	**−7,593**	**−7,460**	**−8,956**	**−9,480**	**−12,102**	**−15,010**	**−15,308**	**−13,445**
U.S. Government grants	−1,736	−2,894	−3,176	−3,550	−4,731	−4,466	−5,501	−6,288	−8,543	−11,223	−11,738	−10,011
U.S. Govt. pensions, private remittances, other transfers	−1,707	−1,974	−2,376	−2,578	−2,862	−2,994	−3,455	−3,192	−3,558	−3,787	−3,571	−3,434

U.S. assets abroad, net (increase/capital outflow (−))	−9,337	−39,703	−61,130	−64,331	−86,118	−110,951	−121,193	−49,777	[illegible]	[illegible]	[illegible]	[illegible]
U.S. official reserve assets, net	2,481	−849	732	−1,133	−8,155	−5,175	−4,965	−1,196	−3,131	−3,858	312	9,149
U.S. Govt. assets, other than official reserve assets, net	−1,589	−3,474	−4,660	−3,746	−5,162	−5,097	−6,131	−5,006	−5,489	−2,829	−2,000	1,162
U.S. credits and other long-term assets	−3,293	−5,941	−7,470	−7,697	−9,860	−9,674	−10,063	−9,967	−9,599	−7,666	−9,059	−6,493
Repayments on U.S. credits and other long-term assets [6]	1,721	2,475	2,941	3,926	4,456	4,413	4,292	5,012	4,490	4,719	6,078	7,620
U.S. foreign currency holdings and U.S. short-term assets, net	−16	−9	−131	25	242	164	−360	−51	−379	118	982	35
U.S. private assets, net	−10,229	−35,380	−57,202	−59,453	−72,802	−100,679	−110,058	−43,576	−13,685	−25,950	−96,303	−86,297
Direct investments abroad	−7,590	−14,244	−16,056	−25,222	−19,222	−9,624	2,369	−373	−2,821	−18,066	−27,811	−44,455
Foreign securities	−1,076	−6,247	−3,626	−4,726	−3,568	−5,699	−7,983	−6,762	−4,756	−7,481	−4,297	−4,456
U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	−596	−1,357	−3,853	−3,291	−3,174	−1,181	6,626	−6,513	5,019	923	−4,220	3,145
U.S. claims reported by U.S. banks, n.i.e.[7]	−967	−13,532	−33,667	−26,213	−46,838	−84,175	−111,070	−29,928	−11,127	−1,323	−59,975	−40,531
Foreign assets in the U.S., net (increase/capital inflow (+))	**6,359**	**15,670**	**64,036**	**38,752**	**58,112**	**83,032**	**93,746**	**84,869**	**102,621**	**129,900**	**221,253**	**211,490**
Foreign official assets in the U.S., net	6,908	7,027	33,678	−13,665	15,497	4,960	3,593	5,845	3,140	−1,196	35,507	44,968
Other foreign assets in the U.S., net	−550	8,643	30,358	52,416	42,615	78,072	90,154	79,023	99,481	131,096	185,746	166,522
Direct investments in U.S	1,464	2,603	7,897	11,877	16,918	25,195	13,792	11,946	25,359	19,022	34,091	41,977
U.S. Treasury securities	81	2,590	[8] 2,178	[8] 4,960	[8] 2,645	[8] 2,927	[8] 7,027	[8] 8,689	23,001	20,433	3,809	−7,596
U.S. securities other than U.S. Treasury securities	2,189	2,503	2,254	1,351	5,457	6,905	6,085	8,164	12,568	50,962	70,969	42,213
U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	2,014	319	1,889	1,621	6,852	917	−2,383	−118	4,704	−366	−2,906	2,150
U.S. liabilities reported by U.S. banks, n.i.e. [7]	−6,298	628	16,141	32,607	10,743	42,128	65,633	50,342	33,849	41,045	79,783	87,778
Allocations of special drawing rights	**867**	-	-	**1,139**	**1,152**	**1,093**	-	-	-	-	-	-
Statistical discrepancy (sum of above items with sign reversed)	−219	5,917	12,521	25,431	24,982	19,942	36,085	11,154	26,760	17,839	15,566	18,461
Balance on merchandise trade	2,603	8,903	−33,947	−27,536	−25,480	−27,978	−36,444	−67,080	−112,522	−122,148	−144,547	−160,280
Balance on goods and services	5,773	22,984	−9,875	5,138	9,466	14,344	278	−36,766	−94,975	−100,093	−123,520	−140,519
Balance on goods, services, and remittances	4,067	21,011	−12,251	2,559	6,604	11,350	−3,177	−39,957	−98,533	−103,880	−127,090	−143,953
Balance on current account	2,331	18,116	−15,427	−991	1,873	6,884	−8,679	−46,246	−107,077	−115,103	−138,828	−153,964

- Represents zero. [1] Excludes transfers of goods and services under U.S. military grant programs. [2] Excludes exports of goods under U.S. military agency sales contracts identified in Bureau of the Census export documents, excludes imports of goods under direct defense expenditures identified in Census import documents, and reflects various other adjustments (for valuation, coverage, and timing) of Census statistics to a balance of payments basis. [3] Includes other end-use items, not shown separately. [4] Includes engines. [5] Excludes automotive. [6] Includes sales of foreign obligations to foreigners. [7] Not included elsewhere. [8] Includes foreign currency notes sold to private residents abroad.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1988.

No. 1357. International Investment Position, 1960 to 1987, and by Selected Areas, 1987

[In billions of dollars. Estimates for end of year; subject to considerable error due to nature of basic data. Direct investments at book value; other types at market or face values. See *Historical Statistics, Colonial Times to 1970*, series U 26–39, for similar data]

TYPE OF INVESTMENT	1960	1965	1970	1975	1977	1978	1979	1980	1981
U.S. net international investment position	**44.7**	**61.6**	**58.5**	**74.2**	**72.7**	**76.1**	**94.5**	**106.3**	141.1
U.S. assets abroad	85.6	120.4	165.4	295.1	379.1	447.8	510.6	607.1	719.8
U.S. official reserve assets	19.4	15.5	14.5	16.2	19.3	18.6	19.0	26.8	30.1
U.S. Government assets, other	17.0	23.5	32.1	41.8	49.5	54.2	58.4	63.8	68.7
U.S. private assets	49.2	81.4	118.8	237.1	310.2	375.0	433.2	516.6	621.1
Foreign assets in U.S.	40.9	58.8	106.9	220.9	306.4	371.7	416.1	500.8	578.7
Foreign official assets	[1]12.4	[1]16.8	26.1	86.9	140.9	173.1	159.9	176.1	180.4
Other foreign assets	28.5	42.0	80.8	134.0	165.5	198.7	256.3	324.8	398.3

TYPE OF INVESTMENT	1982	1983	1984	1985	1986	1987				
						Total [2]	Western Europe	Canada	Latin America [3]	Japan
U.S. net international investment position	**136.9**	**89.4**	**3.5**	**−110.7**	**−269.2**	**−368.2**	**−378.2**	**50.7**	**22.4**	**−80.7**
U.S. assets abroad	824.9	873.9	896.1	950.3	1,071.4	1,167.8	407.0	147.0	294.5	113.3
U.S. official reserve assets	34.0	33.7	34.9	43.2	48.5	45.8	12.1	(Z)	(Z)	1.0
U.S. Government assets, other	74.6	79.5	84.8	87.6	89.5	88.4	9.9	.4	18.3	(Z)
U.S. credits and other long-term assets	72.9	77.8	82.9	85.8	88.7	87.6	9.9	.4	18.0	(Z)
U.S. foreign currency holdings and short-term assets	1.7	1.7	2.0	1.8	.8	.8	(Z)	(Z)	.3	(Z)
U.S. private assets	716.4	760.7	776.3	819.5	933.4	1,033.6	385.0	146.7	276.1	112.3
Direct investments abroad	207.8	207.2	211.5	230.3	259.6	308.9	149.0	56.9	42.3	14.3
Foreign securities	75.5	83.8	89.1	112.8	133.2	146.7	83.3	55.4	1.2	.5
U.S. claims on unaffiliated foreigners [4]	28.6	35.1	30.1	29.1	33.3	30.1	12.9	3.7	8.8	1.6
U.S. claims reported by U.S. banks [5]	404.6	434.5	445.6	447.4	507.3	547.9	139.9	30.6	223.8	95.9
Foreign assets in the U.S.	688.1	784.5	892.6	1,061.0	1,340.7	1,536.0	785.2	96.3	272.0	194.0
Foreign official assets in the U.S.	189.1	194.5	199.3	202.6	241.7	283.1	128.1	5.3	8.6	(6)
U.S. Government securities	132.6	137.0	143.0	143.4	177.3	219.1	(7)	(7)	(7)	(6)
Other U.S. Government liabilities	13.6	14.2	15.0	15.7	17.8	15.0	4.4	.3	.6	1.4
U.S. liabilities reported by U.S. banks [5]	25.0	25.5	26.1	26.7	27.9	31.8	(7)	(7)	(7)	(6)
Other foreign official assets	17.9	17.7	15.2	16.7	18.8	17.3	(7)	(7)	(7)	(6)
Other foreign assets in the U.S.	498.9	590.0	693.3	858.4	1,098.9	1,252.9	657.1	91.1	263.3	(6)
Direct investments	124.7	137.1	164.6	184.6	220.4	261.9	178.0	21.7	15.3	33.4
U.S. securities [8]	93.0	113.8	127.3	206.2	308.8	344.4	239.9	32.2	20.1	37.9
U.S. liabilities to unaffiliated foreigners [4]	27.5	26.9	31.0	29.5	26.6	28.8	14.0	1.8	1.9	4.7
U.S. liabilities reported by U.S. banks [5]	228.0	278.3	312.2	354.5	451.6	539.4	(9)	(9)	(9)	(6)
U.S. Treasury securities	25.8	33.8	58.2	83.6	91.5	78.4	(9)	(9)	(9)	(6)

Z Less than $50 million. [1] Includes holdings of international and regional organizations that were shifted to "other foreign assets" in subsequent periods. [2] Includes other countries, international organizations, or unallocated, not shown separately. [3] Includes other Western Hemisphere. [4] Reported by U.S. nonbanking concerns. [5] Not included elsewhere. [6] Data included in "Foreign assets in the U.S." [7] Data included in "Foreign official assets in the U.S." [8] Excludes U.S. Treasury securities. [9] Data included in "Other foreign assets in the U.S."

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1988, and earlier issues.

No. 1358. U.S. Reserve Assets: 1970 to 1988

[In billions of dollars. As of end of year, except as indicated]

TYPE	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988, June
Total	**14.5**	**16.2**	**18.7**	**19.0**	**26.8**	**30.1**	**34.0**	**33.7**	**34.9**	**43.2**	**48.5**	**45.7**	**41.0**
Gold stock [1]	11.1	11.6	11.7	11.2	11.2	11.2	11.1	11.1	11.1	11.1	11.1	11.1	11.1
Special drawing rights	.9	2.3	1.6	2.7	2.6	4.1	5.3	5.0	5.6	7.3	8.4	10.3	9.2
Foreign currencies	.6	.1	4.4	3.8	10.1	9.8	10.2	6.3	6.7	12.9	17.3	13.1	10.8
Reserve position in IMF [2]	1.9	2.2	1.0	1.3	2.9	5.1	7.3	11.3	11.5	11.9	11.7	11.3	10.0

Z Less than $50 million. [1] Includes gold in Exchange Stabilization Fund; excludes gold held under earmark at Federal Reserve banks for foreign and international accounts. Beginning 1975, gold assets were valued at $42.22 pursuant to the amending of Section 2 of the Par Value Modification Act, PL-93-110, approved September 21, 1973. [2] International Monetary Fund.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; and Department of the Treasury, *Treasury Bulletin*, monthly.

NO. 1359. FOREIGN DIRECT INVESTMENT POSITION IN THE U.S.—VALUE, BY AREA AND INDUSTRY: 1970 TO 1987

millions of dollars. Book value at year end. 1970 covers U.S. firms, including real estate investments in which foreign interest r ownership was 25 percent or more; thereafter, ownership of 10 percent or more. Minus sign (–) indicates a negative position. See also *Historical Statistics, Colonial Times to 1970*, series U 47–74]

AREA AND INDUSTRY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, prel.
All areas [1]	**13,270**	**27,662**	**54,462**	**83,046**	**108,714**	**124,677**	**137,061**	**164,583**	**184,615**	**220,414**	**261,927**
troleum	2,992	6,213	9,906	12,200	15,246	17,660	18,209	25,400	28,270	29,094	35,395
nufacturing	6,140	11,386	20,876	32,993	40,533	44,065	47,665	51,802	59,584	71,963	91,025
nance and insurance	2,256	3,152	7,575	12,027	14,748	17,933	10,934	24,881	27,429	34,978	47,126
ade, wholesale and retail	994	4,844	11,562	15,210	20,537	23,604	26,513	31,219	35,873	42,920	37,691
nada	**3,117**	**5,352**	**7,154**	**12,162**	**12,116**	**11,708**	**11,434**	**15,286**	**17,131**	**20,318**	**21,732**
Petroleum	190	596	943	1,817	1,801	1,550	1,391	1,544	1,589	1,432	1,433
Manufacturing	1,836	3,061	3,615	5,227	3,376	3,500	3,313	4,115	4,607	6,108	7,487
Finance and insurance	324	341	505	1,612	1,808	1,801	1,061	3,245	4,008	4,283	3,461
rope	**9,554**	**18,584**	**37,403**	**54,688**	**72,377**	**83,193**	**92,936**	**108,211**	**121,413**	**144,181**	**177,963**
Petroleum	2,777	5,478	8,010	10,137	12,854	15,071	16,326	23,142	25,636	26,139	32,787
Manufacturing	4,091	6,673	13,952	21,953	30,897	33,032	36,866	39,083	45,841	56,016	70,598
Finance and insurance	1,805	2,088	5,529	8,673	10,084	12,601	8,450	15,945	17,022	21,787	25,311
United Kingdom	4,127	6,331	9,796	14,105	18,585	28,447	32,152	38,387	43,555	55,935	74,941
Petroleum	1,220	(D)	199	–257	–124	5,444	5,955	10,991	12,155	11,758	(D)
Manufacturing	1,391	1,833	3,547	6,159	7,602	8,504	9,221	9,179	11,687	16,500	23,510
Finance and insurance	1,141	932	2,432	3,350	4,569	5,661	3,777	5,485	6,483	10,163	(D)
Netherlands	2,151	5,347	12,672	19,140	26,824	26,191	29,182	33,728	37,056	40,717	47,048
Petroleum	1,311	(D)	6,478	9,265	11,547	8,098	8,646	9,981	11,481	(D)	(D)
Manufacturing	652	1,345	3,492	4,777	9,018	9,901	11,222	12,497	13,351	13,293	16,120
Switzerland	1,545	2,138	3,449	5,070	5,474	6,378	7,464	8,146	10,568	12,058	14,343
Manufacturing	1,147	1,308	2,261	3,116	3,278	3,584	4,165	4,774	6,881	7,520	8,321
Finance and insurance	351	365	598	1,033	1,059	1,473	1,830	(D)	5,425	2,517	(D)
West Germany	680	1,408	5,665	7,596	9,459	9,850	10,845	12,330	14,816	17,250	19,637
Manufacturing	(NA)	894	2,665	3,875	4,199	4,239	4,487	4,389	6,015	7,426	9,002
Finance and insurance	(NA)	(D)	796	1,248	1,339	1,426	1,416	1,902	(D)	1,962	2,624
Other Europe [2]	1,051	3,360	5,821	8,777	12,035	12,327	13,293	15,620	15,417	18,221	21,994
Petroleum	(NA)	490	1,268	991	1,315	1,380	1,679	2,080	(D)	(D)	(D)
Manufacturing	(NA)	1,293	1,967	4,026	6,800	6,804	7,771	7,704	7,907	11,277	13,645
Finance insurance	(NA)	(D)	583	1,193	546	429	–908	(D)	(D)	(D)	(D)
pan	**229**	**591**	**3,493**	**4,723**	**7,697**	**9,677**	**11,336**	**16,044**	**19,313**	**26,824**	**33,361**
ther areas	**370**	**3,135**	**6,412**	**11,472**	**16,524**	**20,099**	**21,356**	**25,043**	**26,758**	**29,091**	**28,871**

D Withheld to avoid disclosure of data of individual companies. NA Not available. [1] Area totals include industries not hown separately. [2] Direct investments in 1987 (in millions of dollars): Belgium and Luxembourg, 2,752; France, 10,195; Italy, ,230; and Sweden, 4,699.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1988, and earlier issues.

No. 1360. U.S. AFFILIATES OF FOREIGN COMPANIES—ASSETS, SALES, EMPLOYMENT, LAND, EXPORTS, AND IMPORTS: 1986

A U.S. affiliate is a U.S. business enterprise in which one foreign owner (individual, branch, partnership, association, trust, corporation, or government) has a direct or indirect voting interest of 10 percent or more. Universe estimates based on a sample survey of nonbank affiliates with assets, sales, or net income of $10 million or more]

INDUSTRY	Total assets (mil. dol.)	Sales [1] (mil. dol.)	Employment [2] (1,000)	Employee compensation (mil. dol.)	GROSS BOOK VALUE		Land owned (1,000 acres)	Merchandise exports [4] (mil. dol.)	Merchandise imports [4] (mil. dol.)
					Plant and equipment [3] (mil. dol.)	Land (mil. dol.)			
Total	**829,926**	**667,256**	**2,964.5**	**86,631**	**317,607**	**30,170**	**14,951**	**50,713**	**124,476**
Mining	12,242	6,586	29.3	1,334	11,372	479	705	922	274
Petroleum	76,839	66,450	122.0	5,093	81,951	3,082	887	1,159	6,621
Manufacturing	190,476	188,740	1,399.6	46,029	112,995	4,317	6,371	12,573	20,791
Chemicals and allied products	70,479	60,602	378.8	13,726	50,280	1,367	1,253	5,354	4,492
Wholesale trade [5]	86,612	259,278	304.5	9,878	19,990	1,157	355	35,138	93,133
Motor vehicles and auto parts and supplies	23,988	76,364	70.8	2,503	6,594	387	(D)	3,208	42,936
Farm-product raw materials	7,777	36,374	20.1	571	2,160	81	39	17,464	5,618
Retail trade	29,624	46,597	578.8	7,873	14,454	1,383	(D)	358	1,524
Finance, except banking	247,328	30,624	52.6	5,314	3,364	179	(D)	233	(D)
Insurance	87,897	32,013	73.9	2,023	2,687	506	15	-	(Z)
Real estate	67,751	11,621	34.7	831	52,739	16,819	2,526	(Z)	(D)
Other	31,157	25,345	369.0	8,256	18,054	2,248	3,512	330	(D)

- Represents zero. D Withheld to avoid disclosure of data of individual companies. Z Less than $500,000. [1] Excludes returns, discounts, allowances, and sales and excise taxes. [2] Average number of full-time and part-time employees. [3] Includes other property, value of mineral rights owned and capitalized value of mineral rights leased. [4] F.a.s. value at port of exportation. [5] Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988, and *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies*, Preliminary 1986 Estimates.

NO. 1361. U.S. BUSINESSES ACQUIRED OR ESTABLISHED BY FOREIGN DIRECT INVESTORS, BY INDUSTRY OF U.S. BUSINESS ENTERPRISE: 1986 AND 1987

[Foreign direct investment is the ownership or control, directly or indirectly, by one foreign individual branch, partnership, association, trust, corporation, or government of 10 percent or more of the voting securities of a U.S. business enterprise or an equivalent interest in an unincorporated one. Data represent number and full cost of acquisitions of existing U.S. business enterprises, including business segments or operating units of existing U.S. business enterprises and establishments of new enterprises. Investments may be made by the foreign direct investor itself, or indirectly by an existing U.S. affiliate of the foreign direct investor. Covers investments in U.S. business enterprises with assets of over $1 million, or ownership of 200 acres of U.S. land]

INDUSTRY	1986						1987, prel.					
	Investments			Investors			Investments			Investors		
	Total	Acquisition	Establishments	Total	Foreign direct investors	U.S. affiliates	Total	Acquisition	Establishments	Total	Foreign direct investors	U.S. affiliates
NUMBER OF INVESTMENTS [1]												
Total	**1,040**	**555**	**485**	**1,121**	**476**	**645**	**557**	**306**	**251**	**608**	**279**	**329**
Agriculture and forestry	32	5	27	37	29	8	28	4	24	30	23	7
Mining	21	19	2	21	-	21	6	3	3	7	3	4
Petroleum	30	19	11	30	12	18	14	7	7	14	10	4
Manufacturing	324	275	49	345	118	227	189	148	41	214	84	130
Wholesale trade	84	63	21	90	27	63	35	25	10	40	16	24
Retail trade	29	23	6	31	12	19	21	19	2	21	10	11
Banking	15	8	7	16	8	8	8	2	6	8	6	2
Finance, except banking	35	11	24	38	13	25	25	11	14	26	16	10
Insurance	16	14	2	16	5	11	6	4	2	6	4	2
Real estate	309	21	288	337	184	153	134	18	116	144	67	77
Other	177	102	75	197	97	100	119	69	50	128	63	65
INVESTMENT OUTLAYS (mil. dol.)												
Total	**39,177**	**31,450**	**7,728**	**39,177**	**8,602**	**30,575**	**30,543**	**25,603**	**4,939**	**30,543**	**9,024**	**21,518**
Agriculture and forestry	165	61	104	165	82	83	251	130	121	251	(D)	(D)
Mining	939	931	7	939	-	939	772	739	33	772	494	278
Petroleum	1,035	962	73	1,035	721	314	715	(D)	(D)	715	480	235
Manufacturing	16,772	16,082	690	16,772	3,316	13,456	16,270	15,518	752	16,270	3,787	12,483
Wholesale trade	1,640	1,583	56	1,640	1,013	627	349	328	24	349	99	250
Retail trade	5,249	5,197	52	5,249	265	4,983	682	681	2	682	(D)	(D)
Banking	288	(D)	(D)	288	58	230	667	562	105	667	105	562
Financing, except banking	1,781	672	1,109	1,781	760	1,021	1,201	981	220	1,201	933	268
Insurance	1,668	(D)	(D)	1,668	138	1,530	116	(D)	(D)	116	(D)	(D)
Real estate	5,171	372	4,800	5,171	1,440	3,731	2,861	391	2,470	2,861	562	2,298
Other	4,635	3,798	837	4,635	891	3,744	6,910	6,067	843	6,910	2,139	4,772

- Represents zero. D Withheld to avoid disclosure of data of individual companies. [1] Excludes investments that do not meet asset or acreage criteria in headnote.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988.

NO. 1362. U.S. BUSINESSES ACQUIRED BY FOREIGN DIRECT INVESTORS—ASSETS, SALES, AND EMPLOYMENT, BY INDUSTRY OF U.S. BUSINESS ENTERPRISE: 1986 AND 1987

[See headnote, table 1361. Minus sign (–) indicates loss]

INDUSTRY	1986					1987, prel.				
	Total assets (mil. dol.)	Sales (mil. dol.)	Net income (mil. dol.)	Employment (1,000)	Acres of land owned (1,000)	Total assets (mil. dol.)	Sales (mil. dol.)	Net income (mil. dol.)	Employment (1,000)	Acres of land owned (1,000)
Total	**57,694**	**49,106**	**1,032**	**419.0**	**1,591.3**	**101,685**	**35,638**	**811**	**331.4**	**179.0**
Agriculture and forestry	87	(D)	–16	.3	430.8	(D)	(D)	(Z)	(D)	(D)
Mining	1,412	847	37	6.8	68.5	1,140	(D)	22	1.9	31.3
Petroleum	6,835	8,947	146	9.8	18.8	(D)	(D)	(D)	1.3	(D)
Manufacturing	18,667	20,861	517	183.9	1,029.8	19,029	18,048	214	175.2	112.0
Wholesale trade	2,002	3,751	43	16.0	1.8	400	909	5	4.1	(D)
Retail trade	4,723	7,800	210	121.3	1.9	(D)	1,576	12	12.5	(D)
Banking	(D)	823	66	3.9	(D)	4,443	376	30	2.5	1.1
Finance, except banking	5,590	650	46	1.1	(D)	68,335	6,848	444	40.3	.4
Insurance	(D)	1,485	74	6.5	2.2	(D)	93	6	.6	(D)
Real estate	626	104	3	2.0	7.9	858	246	9	.8	19.0
Other	5,023	3,840	–109	67.7	4,54.3	5,583	5,696	(D)	92.2	12.0

D Withheld to avoid disclosure of data of individual companies. Z Fewer than 500 or less than $500,000.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988.

No. 1363. U.S. Investment Position Abroad, by Country: 1980 to 1987

[In millions of dollars. Direct investments represent private enterprises in one country owned or controlled by investors in another country or in the management of which foreign investors have an important role. Negative position occurs when U.S. parent company's liabilities to the foreign affiliate are greater than its equity in, and loans to the foreign affiliate. See also *Historical Statistics, Colonial Times to 1970*, series U 41–46]

COUNTRY	1980	1983	1984	1985	1986	1987			
						Total [1]	Manufacturing	Petroleum	Finance [2]
All countries	**215,375**	**207,203**	**211,480**	**230,250**	**259,562**	**308,793**	**126,640**	**66,381**	**49,097**
Developed countries	**158,214**	**155,736**	**157,123**	**172,058**	**194,691**	**233,315**	**104,759**	**43,762**	**35,946**
Canada	45,119	44,339	46,730	46,909	49,994	56,879	25,800	11,931	8,851
Europe [3]	96,287	92,176	91,589	105,171	122,165	148,954	67,475	25,785	24,525
Austria	524	545	530	493	386	387	109	117	23
Belgium	6,259	4,438	4,584	5,038	5,229	7,078	3,486	547	708
Denmark	1,266	1,136	1,144	1,281	1,113	1,114	253	170	53
France	9,347	6,614	6,406	7,643	8,857	11,478	8,374	531	244
Greece	347	327	265	210	172	215	94	132	(D)
Ireland	2,319	2,460	2,869	3,693	4,395	5,484	4,111	−23	1,389
Italy	5,397	4,461	4,594	5,906	6,935	8,449	6,084	252	446
Luxembourg	652	1,206	424	690	726	723	193	(D)	288
Netherlands	8,039	6,613	5,839	7,129	11,618	14,164	5,318	3,078	2,432
Norway	1,679	3,094	2,841	3,215	3,626	4,142	91	3,552	(D)
Portugal	257	219	205	237	278	361	193	(D)	(D)
Spain	2,678	2,287	2,139	2,281	2,612	4,037	2,567	124	21
Sweden	1,474	894	844	933	1,002	1,188	617	(D)	127
Switzerland	11,280	14,099	14,725	15,766	17,842	19,973	1,720	(D)	7,136
Turkey	207	121	226	234	242	241	52	88	-
United Kingdom	28,460	27,637	28,553	33,024	35,692	44,673	18,268	11,011	9,571
West Germany	15,415	15,319	14,823	16,764	20,846	24,450	15,974	3,319	1,674
Japan	6,225	7,661	7,936	9,235	11,332	14,270	7,073	2,561	945
Australia, New Zealand, and South Africa	10,583	11,558	10,868	10,743	11,200	13,212	4,411	3,484	1,624
Australia	7,654	9,005	8,918	8,772	9,120	10,988	3,493	2,943	1,478
New Zealand	579	566	510	576	513	635	211	(D)	72
South Africa	2,350	1,987	1,440	1,394	1,567	1,590	707	(D)	74
Developing countries	**53,206**	**45,746**	**49,153**	**52,764**	**60,270**	**71,174**	**21,881**	**19,009**	**13,150**
Latin America	38,761	24,133	24,627	28,261	34,790	42,337	15,902	5,771	10,496
South America [3]	16,342	18,748	18,714	17,623	18,644	19,312	11,084	3,020	1,707
Argentina	2,540	2,702	2,753	2,705	2,919	2,854	1,616	398	158
Brazil	7,704	9,068	9,237	8,893	9,187	9,955	7,730	273	1,183
Chile	536	108	47	82	224	224	−221	59	78
Colombia	1,012	2,123	2,111	2,148	2,033	2,037	585	1,013	96
Ecuador	322	442	371	381	468	497	157	237	(D)
Peru	1,665	2,042	1,902	1,243	1,131	1,102	63	367	(D)
Venezuela	1,908	1,711	1,761	1,588	2,139	2,124	1,061	534	174
Central America	10,193	9,904	9,853	9,656	9,571	10,430	4,553	841	2,597
Mexico	5,986	4,381	4,597	5,088	4,750	4,997	3,959	65	198
Panama	3,170	4,837	4,474	3,959	4,293	4,780	278	648	2,380
Other [3]	1,037	686	782	611	528	654	316	129	19
Costa Rica	303	166	158	113	113	141	(NA)	(NA)	(NA)
El Salvador	105	100	94	73	(D)	51	(NA)	(NA)	(NA)
Guatemala	229	214	240	213	161	159	(NA)	(NA)	(NA)
Honduras	288	216	286	171	167	203	(NA)	(NA)	(NA)
Other Western Hemisphere [3]	12,226	−4,519	−3,941	960	6,575	12,594	264	1,910	6,192
Bahamas, The	2,712	3,762	3,331	3,795	2,762	2,566	26	792	505
Bermuda	11,045	11,056	13,019	13,116	14,765	18,229	-	530	17,230
Dominican Republic	316	258	239	212	199	(NA)	(NA)	(NA)	(NA)
Jamaica	407	310	257	122	107	90	106	(D)	(D)
Netherlands Antilles	−4,336	−22,956	−24,664	−20,499	−15,817	−13,208	21	(D)	−13,500
Trinidad and Tobago	951	862	667	484	368	356	7	311	3
Other Africa [3]	3,778	4,123	4,456	4,497	4,313	5,085	308	4,237	57
Egypt	1,038	1,421	1,538	1,926	1,814	1,663	41	1,400	(Z)
Libya	575	238	348	325	196	252	-	246	-
Nigeria	18	216	327	44	575	1,267	40	1,120	-
Middle East [3]	2,163	4,451	5,025	4,606	4,590	4,762	408	2,812	234
Israel	379	605	733	717	600	793	201	(D)	156
Saudi Arabia	1,037	2,156	2,352	2,442	1,972	2,385	163	1,079	−17
United Arab Emirates	384	697	981	792	857	762	20	595	(D)
Bahrain	−16	783	790	440	320	95	(NA)	(NA)	(NA)
Other Asia and Pacific	8,505	13,039	15,045	15,400	16,577	18,991	5,264	6,188	2,364
China: Taiwan	498	613	736	750	870	1,312	983	−14	20
Hong Kong	2,078	3,068	3,253	3,295	3,980	5,453	563	462	1,849
India	398	371	329	383	446	466	416	−14	(D)
Indonesia	1,314	2,770	4,093	4,475	4,395	3,929	234	3,251	195
Malaysia	632	1,157	1,101	1,140	1,109	1,111	329	704	11
Philippines	1,259	1,331	1,263	1,032	1,135	1,211	602	101	1
Singapore	1,204	1,821	1,932	1,874	2,238	2,521	1,493	579	72
South Korea	575	589	716	743	800	1,018	339	7	160
Thailand	361	892	1,081	1,074	1,079	1,282	256	857	9
Other	166	428	541	635	525	687	48	254	(D)
People's Rep. of China	−6	100	209	311	213	325	(NA)	(NA)	(NA)
International	**3,955**	**5,721**	**5,204**	**5,428**	**4,602**	**4,304**	**(NA)**	**3,810**	**(NA)**
Addendum—OPEC [4]	6,090	8,440	10,481	10,383	10,906	11,498	1,677	7,334	479

- Represents zero. D Suppressed to avoid disclosure of data of individual companies. NA Not available. Z Less than $500,000. [1] Includes industries not shown separately. [2] Includes insurance. [3] Includes countries not shown separately. [4] OPEC=Organization of Petroleum Exporting Countries. Includes Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1988.

No. 1364. U.S. Government Foreign Grants and Credits: 1946 to 1987

[In millions of dollars. "P.L." means Public Law. For explanation of minus sign (–), see headnote, table 1365. See also text, section 29, and *Historical Statistics, Colonial Times to 1970*, series U 75-101]

PROGRAM	1946–1955, total	1956–1965, total	1966–1975, total	1976–1985, total	1983	1984	1985	1986	1987
Total, net	**51,509**	**49,723**	**70,367**	**104,181**	**11,614**	**13,986**	**14,321**	**14,983**	**9,184**
Investment in international financial institutions [1]	635	655	2,719	10,432	1,369	1,427	1,302	1,481	1,212
Under assistance programs, net	**50,875**	**49,067**	**67,647**	**93,749**	**10,245**	**12,558**	**13,019**	**13,502**	**7,972**
Developed countries [2]	35,150	5,834	616	757	271	96	–530	815	–790
Developing countries [2]	15,725	43,233	67,032	92,991	9,975	12,462	13,549	12,687	8,762
Net new military grants	14,200	21,564	30,236	14,958	1,317	2,320	3,130	4,126	3,132
Developed countries [2]	8,910	7,931	691	1,369	226	154	123	162	261
Developing countries [2]	5,291	13,633	29,545	13,589	1,091	2,166	3,007	3,963	2,871
Gross new grants	14,434	21,805	30,281	14,993	1,321	2,326	3,133	4,129	3,137
Foreign Assistance Act [3]	13,427	21,769	30,281	14,993	1,321	2,326	3,133	4,129	3,137
Military supplies and services	12,282	20,662	9,802	2,438	184	158	49	99	50
Military assistance, service funded [4]	–	8	18,161	–	–	–	–	–	–
Financing of military purchases [5]	–	–	1,584	10,122	934	2,022	2,964	3,873	2,816
Relocation of facilities in Israel	–	–	–	800	–	–	–	–	–
Other special programs	1,146	1,100	734	1,633	203	145	121	157	271
Other	1,007	36	–	–	–	–	–	–	–
Less: Reverse grants and returns	*234*	*241*	*45*	*36*	*4*	*6*	*3*	*3*	*5*
Other grants, credits, and other assistance (through net accumulation of foreign currency claims)	36,675	27,503	37,412	78,791	8,928	10,239	9,889	9,376	4,840
Developed countries [2]	26,240	–2,097	–75	–612	45	–58	–653	652	–1,051
Developing countries [2]	10,434	29,600	37,487	79,403	8,884	10,296	10,542	8,724	5,891
Net new economic and technical aid grants [6]	27,529	17,675	21,748	43,293	5,354	6,519	8,257	7,856	7,195
Developed countries [2]	19,424	780	–182	463	100	120	84	98	67
Developing countries [2]	8,104	16,895	21,929	42,830	5,254	6,399	8,173	7,759	7,128
Gross new grants	28,769	17,993	22,003	43,302	5,354	6,519	8,257	7,908	7,195
Foreign Assistance Act [3]	17,711	12,189	12,191	31,525	4,018	5,055	6,505	6,439	5,887
Farm products disposals:									
Foreign currencies, P.L. 83-480 [7]	–	2,048	4,234	186	25	9	6	3	6
Famine and other urgent relief	530	2,704	2,862	5,017	582	688	874	573	515
Payment of transportation	–	494	946	1,890	175	231	331	265	211
Food for development loan forgiveness	–	–	–	353	91	40	11	93	37
Supplies to military or trusteeship administration areas	5,529	132	538	1,246	127	141	153	217	173
Peace Corps	–	232	912	979	116	110	120	130	126
Other	5,000	194	321	2,106	221	344	257	226	241
Less: Reverse grants and returns	*1,240*	*318*	*255*	*9*	–	–	–	*52*	–
Net new credits [8]	8,605	7,025	16,954	35,786	3,579	3,713	1,623	1,516	–2,339
Developed countries [2]	6,627	–3,207	310	–1,019	–54	–176	–730	557	–1,091
Developing countries [2]	1,978	10,232	16,644	36,805	3,634	3,889	2,353	959	–1,249
New credits	11,958	15,429	37,422	72,196	8,177	7,777	5,914	7,165	4,831
Export-Import Bank Act	4,241	5,257	15,505	22,096	2,599	2,493	1,794	1,253	980
Foreign Assistance Act [3]	1,919	6,196	12,053	35,324	4,514	3,945	2,759	2,932	2,516
Country program loans	1,765	5,722	8,362	10,733	968	753	671	595	334
Financing or military purchases	9	247	3,088	24,286	3,536	3,185	2,090	2,307	2,169
Social Progress Trust Fund	–	226	487	142	5	–4	–16	–5	–9
Other	145	2	116	162	5	11	13	35	22
P.L. 83-480 [7]	48	3,839	7,161	8,142	797	909	1,055	991	825
Loans of foreign currency:									
To foreign governments	48	3,285	1,843	10	(Z)	(Z)	(Z)	–	2
To private enterprises	–	202	217	16	3	2	–	2	3
Long-term credit sales	–	352	5,101	8,116	794	907	1,055	988	821
P.L. 80-806 [9]	–	–	2,433	5,560	261	428	300	1,989	509
Other	5,750	137	271	1,074	7	2	6	–	–
Less: Principal collections	3,353	*8,404*	*20,469*	36,410	*4,597*	*4,064*	*4,290*	*5,649*	*7,171*
Export-Import Bank Act	1,757	4,458	9,282	15,222	1,914	2,169	2,486	2,914	4,285
Foreign Assistance Act [3]	38	1,263	3,557	11,234	1,283	1,329	1,238	1,676	2,340
Country program loans	1	944	2,481	4,212	424	436	460	539	474
Financing of military purchases	2	222	852	6,492	817	855	735	1,095	1,835
Social Progress Trust Fund	–	9	198	354	24	24	24	17	16
Other	35	88	25	177	18	14	18	25	14
P.L. 83-480 [7]	–	180	3,753	2,923	366	330	289	367	275
Loans of foreign currency:									
To foreign governments	–	111	2,354	551	44	43	39	37	29
To private enterprises	–	43	175	96	5	4	2	3	1
Long-term credit sales	–	27	1,223	2,276	317	283	248	328	245
Lend-lease, surplus property, and grant settlements	675	2,001	1,438	386	20	22	18	20	16
P.L. 80-806 [9]	–	–	1,763	4,748	64	108	158	569	151
Other	853	501	677	1,897	950	106	100	101	105

See footnotes at end of table.

No. 1364. U.S. Government Foreign Grants and Credits: 1946 to 1987—Continued

[In millions of dollars. See headnote, p. 780]

PROGRAM	1946-1955, total	1956-1965, total	1966-1975, total	1976-1985, total	1983	1984	1985	1986	1987
Other assistance (through net accumulation of foreign currency claims) [10]	541	2,802	-1,290	-287	-5	7	9	4	-15
Developed countries [2]	190	330	-203	-56	-1	-1	-7	-3	-27
Developing countries [2]	351	2,472	-1,086	-231	-4	8	15	7	12
Currency claims acquired	813	11,498	6,888	1,227	90	79	97	134	92
Sales of farm products	813	11,170	3,013	114	4	1	10	49	49
Second-stage operations [11]	-	329	3,875	1,113	86	78	87	84	43
Less: Currencies disbursed	*272*	*8,696*	*8,177*	*1,514*	*98*	*72*	*89*	*129*	*108*
Economic grants and credits to purchasing country	182	6,863	6,236	180	25	5	2	10	15
Other uses	90	1,833	1,940	1,334	73	67	88	119	93

- Represents zero. Z Less than $500,000. [1] For details, see table 1365. [2] Developed countries include Australia, Canada, Japan, New Zealand, South Africa, all countries listed under "Western Europe" in table 1365, except Portugal, Spain (through 1981), Yugoslavia, and Malta, and all countries listed under "Eastern Europe" in table 1365. Developing countries include all other countries listed in table 1365 (including Spain through 1981). [3] Foreign Assistance Act of 1961 (P.L. 87-195), as amended. Also includes predecessor and related programs. [4] Includes military assistance under Dept. of Defense Appropriation Act, 1966 (P.L. 89-394) and later acts. [5] Includes funds made available under Public Law 93-199 and subsequent legislation to release Israel from its contractual liability to pay for defense articles and services purchased under other legislation. [6] Net new grants are not adjusted for settlements for postwar relief and other grants under agreements, and net new credits exclude prior grants converted into credits, which were as follows: 1946-55, $1,463 million; 1956-65, $491 million; 1972, $994 million. Repayments on these settlements are included in net new credits. [7] Agricultural Trade Development and Assistance Act. [8] Outstanding credits on Dec. 31, 1987, totaled $69,975 million representing net credits extended since organization of Export-Import Bank, Feb. 12, 1934, less chargeoffs and net adjustments due to exchange rates ($2,002 million), and excluding World War I debts. The amount repayable in dollars at U.S. Government option was $68,382 million; the remainder was repayable in foreign currencies, commodities, or services, at the option of the borrowers. [9] Commodity Credit Corporation Charter Act. [10] Equivalent value of currencies still available to be used, including some funds advanced from foreign governments and after loss by exchange rate fluctuations ($1,586 million), was $187 million on Dec. 31, 1987. [11] Includes foreign currencies acquired from triangular trade operations and principal and interest collections on credits, originally extended under P.L. 83-480, which—since enactment of P.L. 87-128—are available for the same purposes as P.L. 83-480 currencies.

Source: U.S. Bureau of Economic Analysis, press releases and unpublished data.

No. 1365. U.S. Government Foreign Grants and Credits, by Type and Country: 1946 to 1987

[In millions of dollars. See text, section 29. Negative figures (-) occur when the total of grant returns, principal repayments, and/or foreign currencies disbursed by the U.S. Government exceeds new grants and new credits utilized and/or acquisitions of foreign currencies through new sales of farm products. See also *Historical Statistics, Colonial Times to 1970*, series U 75-186]

TYPE AND COUNTRY	1946-1955, total	1956-1965, total	1966-1975, total	1976-1985, total	1983	1984	1985	1986	1987, prel.
Total, net	**51,509**	**49,723**	**70,367**	**104,181**	**11,614**	**13,986**	**14,321**	**14,983**	**9,184**
Investment in financial institutions	**635**	**655**	**2,719**	**10,432**	**1,369**	**1,427**	**1,302**	**1,481**	**1,212**
African Development Bank	-	-	-	54	18	18	16	15	20
African Development Fund	-	-	-	125	23	57	20	53	45
Asian Development Bank	-	-	110	602	56	80	135	110	95
Inter-American Development Bank	-	300	1,321	2,770	235	353	321	351	189
International Bank for Reconst. and Development	635	-	13	353	34	27	41	241	232
International Development Association	-	320	1,275	6,417	1,002	892	768	658	546
International Finance Corporation	-	35	-	111	-	-	-	28	7
Under assistance programs	**50,875**	**49,067**	**67,647**	**93,749**	**10,245**	**12,558**	**13,019**	**13,502**	**7,972**
Western Europe	**33,067**	**6,752**	**1,004**	**1,626**	**154**	**253**	**-202**	**-8**	**-167**
Austria	1,001	193	-19	34	(Z)	3	10	-9	-9
Belgium and Luxembourg	1,570	305	17	-46	-17	-17	-15	-9	-9
Denmark	596	276	64	-58	-13	-12	-30	-7	-6
Finland	86	-26	-19	21	19	-11	-2	-47	8
France	8,661	-171	-93	-222	6	-17	-47	-28	-13
Iceland	34	33	-8	-12	-1	-1	-1	-2	-2
Ireland	146	-16	-51	7	-7	-4	(Z)	2	-2
Italy	3,851	1,435	85	133	-25	-12	-84	-107	-21
Malta	1	3	47	34	-	-	(Z)	(Z)	(Z)
Netherlands	1,716	322	116	-180	-20	-14	-9	-1	-1
Norway	697	362	379	-257	-12	-4	-31	-16	-4
Portugal	248	241	34	1,003	55	129	101	178	9
Spain	258	1,203	607	965	101	222	-85	66	-11
Sweden	107	-20	17	-1	-5	-3	-6	-6	-5
United Kingdom	7,458	105	-546	-904	-119	-134	-121	-202	-347
West Germany	3,861	10	-117	-117	-6	-6	-2	-	-3
Yugoslavia	1,356	1,151	84	174	20	17	18	-21	-41
Other [1] and unspecified	1,306	1,348	407	1,112	178	116	102	200	290

See footnotes at end of table.

No. 1365. U.S. Government Foreign Grants and Credits, by Type and Country: 1946 to 1987—Continued

[In millions of dollars. See headnote, p. 781]

COUNTRY	1946-1955, total	1956-1965, total	1966-1975, total	1976-1985, total	1983	1984	1985	1986	1987, prel.
Eastern Europe	823	801	226	1,029	54	6	15	1,249	-190
Czechoslovakia	136	-	-	-5	-2	-3	-	-	-
Poland	350	555	-75	1,016	74	67	45	1,348	-33
Romania	-	-	92	55	5	-18	35	-26	-30
Soviet Union	292	-59	214	-44	-21	-39	-66	-68	-66
Other and unspecified	45	5	-5	6	-2	-2	3	-6	-
Near East and South Asia	4,944	16,828	17,195	50,788	5,966	6,458	7,437	7,924	6,221
Afghanistan	31	227	185	56	-2	-4	-21	-3	28
Bangladesh	-	-	701	1,670	219	265	175	178	140
Cyprus	-	19	20	138	(Z)	1	17	21	17
Egypt	41	1,009	271	13,599	2,060	1,926	2,231	2,727	1,806
Greece	2,026	1,281	905	362	19	-14	-21	72	304
India	370	4,890	3,810	1,016	74	84	42	36	48
Iran	314	1,061	914	-847	-306	-	-	-	-
Iraq	13	81	-5	5	32	-8	-12	-5	21
Israel	390	483	3,760	25,416	2,660	3,094	3,807	4,030	3,111
Jordan	26	495	618	1,320	67	-15	-1	7	109
Lebanon	15	78	90	233	57	32	34	-12	-6
Nepal	3	86	105	177	28	24	26	20	21
Oman	-	-	(Z)	79	3	14	-4	12	-33
Pakistan	189	3,092	2,048	1,971	348	415	481	347	220
Saudi Arabia	12	35	23	-20	-2	-2	-2	-1	-
Sri Lanka	(Z)	89	153	512	63	84	90	65	36
Syria	1	57	15	262	25	1	(Z)	(Z)	(Z)
Turkey	1,295	3,020	2,703	3,760	490	442	479	298	460
Yemen (Sanaa)	-	40	24	216	37	33	41	39	47
UNRWA [2]	131	274	296	596	71	67	75	67	61
Other and unspecified	85	510	559	285	26	22	-3	27	33
Africa	147	2,272	3,610	11,073	1,225	1,803	2,004	1,299	1,082
Algeria	1	135	263	345	-83	-108	-131	-128	-90
Angola	-	-	6	115	-8	-5	38	27	24
Benin	-	7	12	44	2	4	5	3	3
Botswana	-	(Z)	35	169	18	28	29	20	24
Burkina	-	5	40	287	30	40	49	30	22
Burundi	-	4	5	62	8	13	9	5	5
Cameroon	-	16	50	150	3	20	5	11	12
Cape Verde	-	-	1	66	12	6	5	9	7
Chad	(Z)	5	20	145	23	24	41	25	35
Ethiopia	13	200	207	310	6	30	157	88	2
Ghana	(Z)	64	203	152	6	20	18	13	6
Guinea	-	58	66	74	2	4	11	16	24
Ivory Coast	-	14	57	57	-3	2	12	5	-3
Kenya	(Z)	34	76	549	61	68	82	39	46
Lesotho	-	(Z)	27	197	28	37	23	23	23
Liberia	24	139	86	459	66	107	71	52	23
Libya	25	192	6	-	-	-	-	-	-
Madagascar	(Z)	7	13	86	10	20	24	21	17
Malawi	-	5	30	56	7	10	8	11	18
Mali	-	12	58	198	16	32	50	45	34
Mauritania	-	1	20	161	22	26	38	19	11
Morocco	7	464	413	946	117	313	138	177	84
Mozambique	-	-	1	174	11	21	51	34	63
Niger	-	5	64	223	18	25	93	39	43
Nigeria	(Z)	87	284	267	80	49	151	1	1
Rwanda	-	2	13	91	11	19	16	24	16
Senegal	-	18	48	361	51	75	51	45	49
Sierra Leone	(Z)	22	36	85	11	9	11	12	12

See footnotes at end of table.

No. 1365. U.S. Government Foreign Grants and Credits, by Type and Country: 1946 to 1987—Continued

[In millions of dollars. See headnote, p. 781]

COUNTRY	1946-1955, total	1956-1965, total	1966-1975, total	1976-1985, total	1983	1984	1985	1986	1987, prel.
Africa—Continued									
Somalia	(Z)	42	47	582	91	115	117	111	65
Sudan	-	86	52	1,358	212	223	443	164	101
Swaziland	-	(Z)	8	58	11	7	8	9	13
Tanzania	2	34	123	259	20	22	21	10	28
Togo	-	9	18	60	8	8	9	10	12
Tunisia	2	407	376	563	125	113	40	7	−7
Uganda	-	12	33	40	4	3	5	4	15
Zaire	(Z)	258	342	938	44	208	68	104	109
Zambia	-	1	35	331	25	53	51	77	33
Zimbabwe	-	(Z)	(Z)	271	62	74	54	22	30
Other and unspecified	71	−75	343	780	75	87	130	117	147
Far East and Pacific	**9,878**	**16,199**	**34,778**	**9,635**	**1,193**	**658**	**220**	**−64**	**−2,886**
Australia	−9	(Z)	276	−12	75	−5	−39	−118	−30
Burma	25	134	43	31	3	7	7	7	10
Cambodia	28	327	1,771	-	-	-	-	-	-
China: Mainland	-	-	-	49	9	20	8	−8	9
Taiwan	1,267	2,681	1,523	648	−44	−144	−255	−262	−970
Hong Kong	3	35	41	11	−9	−14	−14	−11	−8
Indonesia	246	501	1,388	1,661	250	224	37	13	−13
Japan and Ryukyu Islands	3,267	1,318	−345	−210	−16	−99	−87	−88	−319
Laos	37	647	1,868	-	-	-	-	-	-
Malaysia	1	30	86	39	61	−6	−11	−15	−12
New Zealand	3	2	95	−66	−15	−13	−11	−10	−4
Pacific Islands, Trust Territory of the [3]	28	89	488	1,260	127	143	154	219	166
Philippines	1,028	554	729	1,468	239	141	334	449	281
Singapore	-	(Z)	78	110	−34	56	−53	−184	1
South Korea	1,420	4,744	5,426	3,518	449	208	58	−148	−1,717
Thailand	192	727	906	733	60	110	68	62	−77
Vietnam	244	3,586	19,721	-	-	-	-	-	-
Other and unspecified	1,898	844	595	400	29	31	28	27	18
Western Hemisphere	**1,248**	**5,181**	**6,816**	**9,859**	**832**	**2,077**	**2,142**	**1,825**	**2,016**
Argentina	88	342	34	21	26	16	14	81	27
Bahamas, The	(Z)	(Z)	29	−25	(Z)	-	(Z)	1	(Z)
Bermuda	-	-	18	−18	-	-	-	-	-
Bolivia	77	288	270	414	52	30	71	110	113
Brazil	509	1,400	1,518	399	40	90	368	7	33
Canada	−1	4	272	317	97	98	−87	−61	−158
Chile	100	740	724	−565	−47	−28	−7	58	24
Colombia	43	446	846	298	83	104	93	63	12
Costa Rica	15	83	103	687	202	183	213	139	159
Dominican Republic	2	184	360	550	38	141	154	238	62
Ecuador	32	131	144	153	10	46	50	66	54
El Salvador	3	56	93	1,681	329	446	448	378	414
Guatemala	23	146	160	269	33	25	52	91	156
Guyana	(Z)	7	71	36	2	−1	(Z)	2	6
Haiti	27	75	42	370	42	44	56	87	92
Honduras	6	53	113	801	112	210	243	224	205
Jamaica	16	3	120	643	114	151	151	121	86
Mexico	225	178	305	1,162	−549	97	−40	−29	540
Nicaragua	8	67	150	197	3	1	−2	(Z)	(Z)
Panama	10	103	210	205	15	54	43	24	10
Paraguay	4	67	86	22	3	(Z)	1	(Z)	(Z)
Peru	55	304	274	757	68	212	181	98	62
Trinidad and Tobago	-	35	21	151	−19	19	−21	−32	−34
Uruguay	8	90	116	−9	−5	−3	−4	11	−3
Venezuela	6	156	115	−35	6	−37	−30	−31	−38
Central American Bank for Economic Integration	-	6	121	38	3	−4	−4	−5	−4
Caribbean Development Bank	-	-	8	108	14	1	1	−1	−1
Other [4] and unspecified	−6	218	496	1,238	161	173	198	188	197
Other international organizations and unspecified areas	**959**	**1,335**	**4,018**	**9,739**	**820**	**1,304**	**1,404**	**1,279**	**1,666**

- Represents zero. Z Less than $500,000. [1] Includes European Atomic Energy Community, European Coal and Steel Community, European Payments Union, European Productivity Agency, North Atlantic Treaty Organization, and Organization for European Economic Cooperation. [2] United Nations Relief and Works Agency for Palestine refugees. [3] Excludes transactions after October 1986, with Commonwealth of the Northern Mariana Islands; includes transactions with Federated States of Micronesia, Republic of the Marshall Islands, and Republic of Palau. [4] Includes Andean Development Corporation, Eastern Caribbean Central Bank, Inter-American Institute of Agricultural Sciences, Organization of American States, and Pan American Health Organization.

Source: U.S. Bureau of Economic Analysis, press releases and unpublished data.

NO. 1366. U.S. FOREIGN ECONOMIC AND MILITARY AID PROGRAMS: 1946 TO 1987

[**In millions of dollars.** For years ending **June 30** except, beginning **1977**, ending **Sept. 30**. Economic aid shown here
total U.S. economic aid—not just aid under Foreign Assistance Act. Major components in recent years include AID,
Peace, Peace Corps, and paid-in subscriptions to international financial institutions, such as IBRD, and IDB. Cumulative
1946–1987 are true totals net of deobligation; annual figures however, are gross unadjusted program figures. Military aid
Military Assistance Program (MAP) grants, foreign military credit sales, service-funded programs, and excess defense

PERIOD OR YEAR AND REGION	Total economic and military aid	ECONOMIC AID			MILITARY AID	
		Total	Loans	Grants	Total	Loans
1946–1987, total	**330,527**	**206,795**	**57,144**	**149,651**	**123,732**	**36,815**
1946–1952	41,661	31,116	8,518	22,598	10,545	-
1953–1961	43,358	24,053	5,850	18,203	19,305	161
1962–1969	50,254	33,392	15,421	17,972	16,862	1,620
1970–1979	65,714	26,902	9,995	16,907	38,812	14,179
1980–1986	96,368	63,081	10,941	52,140	33,287	19,758
1980–1987	111,650	73,261	12,194	61,067	38,389	20,711
1970	6,568	3,676	1,389	2,288	2,892	70
1971	7,838	3,442	1,299	2,143	4,396	743
1972	9,021	3,940	1,639	2,301	5,080	550
1973	9,472	4,117	1,391	2,726	5,356	550
1974	8,510	3,906	1,150	2,756	4,604	1,398
1975	6,916	4,908	1,679	3,229	2,009	750
1976	6,412	3,878	1,759	2,119	2,535	1,442
1976, TQ [1]	2,603	1,931	840	1,091	672	494
1977	7,784	5,594	2,083	3,511	2,190	1,411
1978	9,014	6,661	2,530	4,131	2,353	1,601
1979	13,845	7,120	1,900	5,220	6,725	5,173
1980	9,695	7,573	1,993	5,580	2,122	1,450
1981	10,550	7,305	1,460	5,845	3,245	2,546
1982	12,324	8,129	1,454	6,675	4,195	3,084
1983	14,202	8,603	1,619	6,984	5,599	3,932
1984	15,524	9,038	1,621	7,417	6,486	4,401
1985	18,128	12,327	1,579	10,748	5,801	2,365
1986	16,739	10,900	1,330	9,570	5,839	1,980
1987	**14,488**	**9,386**	**1,136**	**8,248**	**5,102**	**953**
Near East and South Asia	7,606	3,309	517	2,792	4,299	833
East Asia	709	539	63	476	171	-
Europe	299	108	-	108	191	105
Latin America	1,912	1,697	285	1,412	215	-
Africa	1,233	1,095	273	822	139	15
Oceania and other	16	16	2	14	-	-
Non-regional	2,712	2,624	-	2,624	88	-

- Represents zero. [1] Transition quarter, July–Sept.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from Internatio Organizations*, annual.

NO. 1367. U.S. FOREIGN MILITARY AID, BY REGION AND SELECTED COUNTRIES: 1983 TO 1987

[**In millions of dollars.** For years ending **Sept. 30.** Military aid data include Military Assistance Program (MAP) grants, foreign military credit sales, International Military Education and Training, and excess defense articles]

REGION AND COUNTRY	1983	1984	1985	1986	1987
Total	**5,599**	**6,486**	**5,801**	**5,839**	**5,102**
Near East and South Asia	**4,164**	**4,765**	**4,248**	**4,427**	**4,299**
Egypt	1,327	1,367	1,177	1,246	1,302
Greece	281	501	501	432	344
Israel	1,700	1,700	1,400	1,723	1,800
Jordan	53	117	92	83	42
Lebanon	102	16	1	1	1
Oman	30	40	40	9	(Z)
Pakistan	261	301	326	312	314
Turkey	403	718	704	619	494
Yemen	7	5	6	3	2
Latin America [1]	**184**	**359**	**269**	**238**	**215**
Colombia	1	25	1	4	5
Costa Rica	5	9	11	3	2
Dominican Rep.	7	6	9	5	3
Ecuador	5	7	7	5	5
El Salvador	81	197	136	122	112
Haiti	1	1	1	2	1
Honduras	48	77	67	61	61
Jamaica	4	4	8	8	3
Panama	6	14	11	8	4
Peru	5	11	9	1	(Z)

REGION AND COUNTRY	1983	1984	1985	1986
East Asia	**367**	**443**	**416**	**381**
Indonesia	27	47	34	21
Malaysia	5	11	5	2
Philippines	51	52	42	105
South Korea	187	232	232	165
Thailand	96	101	102	88
Africa [1]	**338**	**335**	**279**	**206**
Botswana	5	9	9	4
Cameroon	3	5	5	(Z)
Djibouti	2	2	3	2
Gabon	2	3	(Z)	(Z)
Kenya	22	24	22	21
Liberia	13	13	13	6
Morocco	101	70	50	36
Niger	3	2	5	4
Somalia	31	33	34	20
Sudan	44	47	46	17
Tunisia	102	112	67	66
Zaire	10	8	8	8
Europe	**514**	**511**	**531**	**497**
Portugal	111	108	128	112
Spain	403	403	403	385
Non-regional	**53**	**72**	**58**	**91**

Z Less than $500,000. [1] Includes amounts not shown separately.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual.

No. 1368. U.S. Foreign Aid—Commitments for Economic Assistance, by Region and Selected Countries: 1983 to 1987

[In millions of dollars. For years ending Sept. 30. Falls under economic portion of the Foreign Assistance Act. Data cover commitments for economic and technical assistance by AID. See text, section 29]

REGION AND COUNTRY	1983	1984	1985	1986	1987
Economic assistance	**5,244**	**5,684**	**8,132**	**7,446**	**6,355**
Near East and South Asia [1]	**2,400**	**2,474**	**3,867**	**3,728**	**2,763**
Bangladesh	79	77	76	72	80
Cyprus	15	15	15	14	15
Egypt	750	853	1,065	1,069	820
Israel	785	910	1,950	1,898	1,200
Jordan	20	20	100	95	111
Lebanon	52	28	20	16	13
Nepal	14	14	18	17	16
Oman	15	15	20	20	15
Pakistan	200	225	250	263	276
Sri Lanka	51	45	35	25	26
Turkey	285	139	175	120	102
Yemen (Sanaa)	28	27	28	25	25
Regional	17	19	23	–	–
East Asia	**216**	**230**	**313**	**518**	**440**
Burma	14	12	15	10	7
Indonesia	72	75	72	66	88
Philippines	67	84	183	351	253
Thailand	23	36	36	31	27
East Asia Regional	21	23	7	59	65
Europe	**45**	**62**	**94**	**142**	**106**
Italy	13	10	2	–	(Z)
Portugal	20	40	80	77	65
Spain	12	12	12	12	5
Latin America [1]	**842**	**912**	**1,506**	**1,128**	**1,310**
Belize	17	4	23	10	13
Bolivia	11	52	18	38	29
Costa Rica	184	146	196	139	161
Dominican Rep.	35	64	126	67	20
Ecuador	22	23	33	50	37
El Salvador	199	161	376	268	414
Grenada	–	48	11	–	–
Guatemala	22	5	76	90	154
Guyana	(Z)	–	–	–	–
Haiti	27	26	31	47	75
Honduras	87	71	205	112	175
Jamaica	82	88	115	85	44
Nicaragua	–	–	–	–	–
Panama	6	11	74	33	12
Latin America [1]**—Con.**					
Paraguay	–	(Z)	1	1	1
Peru	36	119	38	26	21
ROCAP [2]	19	16	107	63	58
Regional	37	23	30	30	29
Africa [1]	**636**	**728**	**900**	**766**	**620**
Botswana	10	11	10	14	6
Burkina	(Z)	(Z)	8	15	9
Burundi	6	4	4	3	2
Cameroon	19	23	24	25	31
Cape Verde	2	2	3	3	2
Chad	2	11	16	16	11
Congo	1	1	1	1	1
Djibouti	2	3	4	3	2
Equatorial Guinea	1	1	1	1	1
Gambia, The	4	4	6	5	9
Ghana	–	(Z)	2	4	3
Guinea	2	2	4	13	2
Guinea-Bissau	2	2	4	2	1
Kenya	61	53	40	43	37
Lesotho	12	10	11	10	13
Liberia	45	48	60	45	27
Malawi	7	8	25	35	13
Mali	10	12	32	13	12
Mauritania	5	5	11	4	4
Mauritius	2	4	7	2	3
Morocco	11	26	38	37	26
Niger	21	26	28	24	27
Rwanda	5	8	19	7	9
Senegal	19	35	44	50	35
Seychelles	2	2	2	2	3
Sierra Leone	1	1	(Z)	(Z)	1
Somalia	48	51	51	45	36
Sudan	115	146	149	71	21
Swaziland	6	6	9	11	9
Tanzania	–	1	(Z)	(Z)	58
Togo	3	4	4	11	5
Tunisia	5	2	23	23	18
Uganda	8	9	9	15	7
Zaire	15	26	36	46	33
Zambia	16	21	42	20	17
Zimbabwe	60	41	41	13	6
Regional	59	50	96	85	52
Non-regional	**1,106**	**1,279**	**1,453**	**1,168**	**1,116**

– Represents zero. Z Less than $500,000. [1] Includes countries not shown seperately. [2] Regional programs covering Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual; and unpublished data.

No. 1369. U.S. Exports and Imports of Merchandise: 1960 to 1987

[**In billions of dollars, except percent.** Includes silver ore and bullion; beginning 1974, includes shipments of nonmonetary gold. Data may differ from those shown in tables 1345, 1349, and 1350, due to revisions and inclusion of the Virgin Islands since 1974. For basis of dollar values, see text, section 29. See also *Historical Statistics, Colonial Times to 1970*, series U 190-196 and U 207-212]

YEAR	Merchandise trade balance	EXPORTS [1]					GENERAL IMPORTS [4]				AVERAGE ANNUAL PERCENT CHANGE [5]	
		Total [2]	Domestic				Total [3]	Petroleum	Machinery	Transport equipment	Domestic exports	General imports
			Total [3]	Agricultural	Machinery	Transport equipment						
1960	4.6	19.6	19.4	(NA)	(NA)	(NA)	15.0	(NA)	(NA)	(NA)	19.8	.1
1965	5.3	26.7	26.3	(NA)	(NA)	(NA)	21.4	(NA)	(NA)	(NA)	4.0	4.3
1966	3.8	29.4	28.9	6.9	7.4	3.8	25.5	2.1	2.6	2.2	9.9	19.2
1967	4.1	30.9	30.6	6.4	8.0	4.5	26.8	2.1	3.0	2.8	5.9	5.1
1968	.8	34.1	33.6	6.2	8.6	5.9	33.2	2.3	3.7	4.3	9.8	8.4
1969	1.3	37.3	36.8	5.9	9.9	6.5	36.0	2.6	4.5	5.3	9.5	11.1
1970	2.7	42.7	42.0	7.2	11.4	6.5	40.0	2.8	5.3	5.9	14.1	10.8
1971	−2.0	43.5	42.9	7.7	11.6	7.9	45.6	3.3	6.0	7.9	2.1	14.0
1972	−6.4	49.2	48.4	9.4	13.2	8.3	55.6	4.3	7.8	9.6	12.8	21.9
1973	1.3	70.8	69.7	17.7	17.1	10.7	69.5	7.6	10.0	11.1	44.0	25.0
1974	−4.5	98.1	96.5	22.0	23.7	14.5	102.6	24.3	11.6	12.5	38.5	47.6
1975	9.1	107.7	106.1	21.9	28.5	17.2	98.5	24.8	12.0	12.2	9.9	−4.0
1976	−8.3	115.2	113.5	23.0	31.3	18.2	123.5	31.8	15.2	14.6	7.0	25.4
1977	−29.2	121.2	118.9	23.7	32.5	18.5	150.4	41.5	17.7	17.8	4.8	21.8
1978	−31.1	143.7	141.0	29.4	37.0	22.3	174.8	39.1	24.4	23.2	18.6	16.2
1979	−27.6	181.9	178.6	34.8	44.7	25.8	209.5	56.0	28.0	25.6	26.7	19.9
1980	−24.2	220.6	216.5	41.3	55.8	28.8	244.9	77.6	31.9	28.6	21.2	16.9
1981	−27.3	233.7	228.9	43.3	62.9	32.8	261.0	75.6	38.2	31.4	5.7	6.6
1982	−31.8	212.3	207.1	36.6	60.3	23.6	244.0	59.4	39.7	33.6	−9.5	−6.5
1983	−57.5	200.5	196.0	36.1	54.3	28.3	258.0	52.3	47.0	39.2	−5.4	5.7
1984	−107.9	217.9	212.1	37.8	60.3	29.7	325.7	55.9	68.4	50.8	8.2	26.2
1985	−132.1	213.1	206.9	29.2	59.5	34.8	345.3	49.6	75.3	62.0	−2.5	6.0
1986	−152.7	217.3	206.4	26.1	60.4	34.9	370.0	34.1	87.5	74.0	−.2	5.8
1987	−152.1	254.1	243.9	28.6	69.6	39.0	406.2	41.5	99.4	78.4	11.8	11.2

NA Not available. [1] Includes "Special Category" items and beginning 1974, includes trade of Virgin Islands with foreign countries. F.a.s. value basis. [2] Domestic and foreign exports excluding M.A.P. Grant-Aid shipments, through 1985; 1986 and 1987 include Grant-Aid shipments. [3] Includes commodity groups not shown separately. [4] 1960–1973, 1982–1987, customs value basis; 1974–1981, f.a.s. value basis. Beginning 1974, includes trade of Virgin Islands with foreign countries. [5] 1960, change from 1959; thereafter, from previous year. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

No. 1370. U.S. Exports and General Imports, by State of Origin and Destination: 1987

[**In millions of dollars.** Exports, f.a.s. value basis; general imports, c.i.f. value basis]

STATE	EXPORTS			GENERAL IMPORTS		
	Total	Percent	Rank	Total	Percent	Rank
Total	**252,866**	**100.0**	(x)	**424,082**	**100.0**	(x)
U.S.	189,153	74.8	(x)	350,945	82.8	(x)
AL	1,850	.7	23	1,032	.2	34
AK	1,269	.5	30	280	.1	44
AZ	2,526	1.0	20	2,609	.6	20
AR	519	.2	40	1,002	.2	35
CA	27,467	10.9	1	69,413	16.4	1
CO	1,422	.6	28	2,024	.5	27
CT	2,616	1.0	19	7,738	1.8	11
DE	611	.2	37	1,551	.4	31
DC	125	(z)	(x)	816	.2	(x)
FL	7,624	3.0	7	9,212	2.2	10
GA	3,009	1.2	18	4,623	1.1	15
HI	152	.1	47	802	.2	37
ID	423	.2	42	121	(z)	46
IL	6,864	2.7	10	16,067	3.8	6
IN	3,185	1.3	16	3,302	.8	16
IA	1,395	.6	29	415	.1	41
KS	1,171	.5	31	2,058	.5	26
KY	1,833	.7	24	2,445	.6	23
LA	9,775	3.9	6	1,661	.4	29
ME	500	.2	41	783	.2	39
MD	1,467	.6	27	2,277	.5	25
MA	6,967	2.8	9	10,565	2.5	7
MI	12,968	5.1	4	28,621	6.7	4
MN	3,321	1.3	15	2,926	.7	19
MS	973	.4	33	3,055	.7	18
MO	1,829	.7	25	3,280	.8	17
MT	239	.1	45	348	.1	42
NE	559	.2	39	345	.1	43
NV	309	.1	44	1,201	.3	33
NH	710	.3	35	558	.1	40
NJ	5,024	2.0	12	38,243	9.0	3
NM	132	.1	48	55	(z)	48
NY	14,973	5.9	3	59,631	14.1	2
NC	4,466	1.8	14	4,705	1.1	13
ND	232	.1	46	149	(z)	45
OH	7,572	3.0	8	9,962	2.3	8
OK	842	.3	34	1,595	.4	30
OR	2,269	.9	21	1,847	.4	28
PA	4,642	1.8	13	9,785	2.3	9
RI	383	.2	43	1,238	.3	32
SC	1,729	.7	26	2,486	.6	22
SD	50	(z)	49	44	(z)	49
TN	1,902	.8	22	2,519	.6	21
TX	19,706	7.8	2	23,910	5.6	5
UT	658	.3	36	795	.2	38
VT	562	.2	38	809	.2	36
VA	5,642	2.2	11	4,634	1.1	14
WA	10,591	4.2	5	4,997	1.2	12
WV	1,020	.4	32	90	(z)	47
WI	3,077	1.2	17	2,304	.5	24
WY	6	(z)	50	1	(z)	50
PR	1,876	.7	(x)	3,474	.8	(x)
VI	69	(z)	(x)	1,360	.3	(x)
Other [1]	61,767	24.4	(x)	68,303	16.1	(x)

X Not applicable. Z Less than .05 percent. [1] Includes unreported, not specified, special category, estimated shipments, foreign trade zone, non-United States, and exports to Canada.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

No. 1371. U.S. Domestic Exports and General Imports of Selected Commodities—Value, by Area: 1987

[In millions of dollars. Includes nonmonetary gold. Exports are f.a.s. (free alongside ship) transaction value basis; imports are customs value basis]

SELECTED COMMODITIES	Total [1]	WESTERN HEMISPHERE		WESTERN EUROPE			ASIA			OPEC [2]
		Canada	Mexico	United Kingdom	West Germany	France	Japan	China: Taiwan	South Korea	
Domestic exports, total	**243,859**	**57,480**	**14,068**	**13,343**	**11,109**	**7,592**	**27,341**	**7,248**	**7,920**	**10,872**
Agricultural commodities	28,636	1,807	(NA)	654	1,284	(NA)	5,694	(NA)	(NA)	(NA)
Nonagricultural commodities	215,223	55,672	(NA)	12,689	9,824	(NA)	21,648	(NA)	(NA)	(NA)
Food and live animals	19,179	1,550	668	436	586	396	4,691	556	664	1,746
Meat and meat preparations	1,768	136	58	39	9	89	898	12	2	95
Grain and cereal preparation	6,058	115	368	69	12	13	1,596	394	571	1,119
Wheat and wheat flour	3,248	1	17	20	17	1	353	104	213	453
Corn	3,314	29	284	8	6	8	1,036	251	356	142
Beverages and tobacco	3,667	58	5	60	207	28	865	147	8	259
Crude materials, excluding fuels	20,416	1,672	1,037	656	1,101	428	4,954	1,226	2,057	552
Soybeans	4,343	41	220	73	266	86	786	360	232	81
Logs and lumber	3,006	300	57	57	62	12	65	95	174	22
Metal ores and scrap	3,018	465	144	175	110	48	677	173	261	34
Mineral fuels and related materials	7,713	1,360	510	154	63	189	297	316	321	192
Bituminous coal	3,310	642	5	114	20	124	484	190	146	40
Chemicals and related products	26,381	3,276	1,439	1,072	1,182	755	3,422	1,139	995	1,317
Manufactured goods	17,136	4,621	1,509	897	647	310	1,769	296	455	799
Textile yarn, fabric, articles	2,933	587	246	178	99	59	159	42	55	230
Iron and steel mill products	1,223	454	193	44	38	15	47	29	19	35
Machinery	69,637	13,267	5,372	5,558	4,117	3,340	4,794	2,039	2,067	3,090
Power generating	10,193	2,609	621	763	460	1,052	547	159	113	493
Agricultural [3]	1,493	671	50	62	44	98	41	5	4	106
General industrial	8,155	2,239	768	471	335	217	381	173	232	735
Office machinery and computers	18,692	2,839	506	2,281	1,855	1,077	1,707	379	332	314
Telecommunications [4]	5,085	629	642	384	174	88	409	278	172	337
Electrical [5]	16,637	2,614	2,181	1,031	828	524	1,226	639	793	314
Transport equipment	38,959	15,841	1,557	1,963	1,375	674	2,263	306	437	1,543
Automobile, motor vehicles [6]	20,879	14,934	1,350	234	380	273	328	140	116	1,022
Aircraft and parts	16,904	665	147	1,675	958	360	1,893	116	301	466
Professional, scientific, and controlling instruments	7,388	972	397	630	593	416	907	180	207	236
General imports, total	**405,901**	**71,085**	**20,271**	**17,341**	**27,069**	**10,730**	**84,575**	**24,622**	**16,987**	**23,953**
Agricultural commodities	20,687	2,225	(NA)	177	596	(NA)	219	(NA)	(NA)	(NA)
Nonagricultural commodities	385,214	68,861	(NA)	17,164	26,474	(NA)	84,356	(NA)	(NA)	(NA)
Food and live animals	20,547	3,058	2,072	158	341	157	391	518	293	1,212
Meat and meat preparations	2,786	621	1	1	7	6	1	1	1	1
Fish, including shellfish	5,590	1,241	477	44	3	25	224	352	239	493
Vegetables and fruit	4,476	197	826	11	84	20	41	128	24	187
Coffee	2,706	4	399	(Z)	90	5	(Z)	2	1	270
Beverages and tobacco	4,105	479	271	550	194	837	46	2	17	11
Crude materials, excluding fuels	11,526	6,433	276	139	135	110	126	56	22	579
Paper base stocks	2,110	1,880	1	(Z)	1	(Z)	(Z)	(Z)	(Z)	(Z)
Wood	3,341	3,112	20	(Z)	2	(Z)	(Z)	2	-	24
Metal ores and scrap	2,446	820	89	46	31	27	9	3	1	69
Mineral fuels and related materials	44,220	6,719	3,857	2,357	43	73	61	12	28	20,366
Crude petroleum	29,321	3,392	3,520	2,006	-	-	34	-	-	15,054
Petroleum products	12,209	1,064	278	330	43	72	13	11	28	5,086
Natural gas	2,504	2,166	57	21	(Z)	1	(Z)	1	(Z)	225
Chemicals and related products	16,213	3,052	507	1,472	2,166	1,417	2,150	258	143	128
Manufactured goods	53,356	13,222	2,007	1,833	2,633	1,587	6,546	3,685	1,998	983
Paper, paperboard	6,595	5,025	269	103	202	79	146	72	50	20
Iron and steel	8,490	1,491	218	275	736	527	2,215	123	489	150
Nonferrous metals	7,991	2,840	462	267	361	146	451	34	12	211
Machinery	99,433	8,563	6,760	4,482	8,128	2,729	35,748	7,670	4,884	27
Power generating	10,860	2,257	1,214	1,167	1,116	1,109	2,367	71	55	1
General industrial	11,111	1,239	425	731	1,617	408	3,159	739	269	5
Telecommunications [4]	20,821	616	1,744	154	159	90	10,631	2,365	2,061	1
Electrical [5]	24,428	1,826	2,817	694	1,548	524	6,599	2,137	1,641	2
Office machinery and data processing equipment	18,462	1,168	489	666	551	161	8,865	1,924	768	13
Transport equipment	78,376	22,016	1,967	2,709	10,201	2,003	31,172	759	2,216	15
Automobiles, buses, trucks	57,024	14,349	1,266	1,218	8,993	260	26,042	9	2,062	(Z)
New passenger cars	47,858	10,185	1,176	1,194	8,902	256	21,305	-	2,061	(Z)
Motor vehicle parts	13,740	5,890	649	350	916	136	3,865	194	86	(Z)
Clothing	20,490	273	433	247	113	200	379	2,937	3,034	392
Footwear	7,237	35	105	27	21	101	9	2,411	1,751	2

- Represents zero. NA Not available. Z Less than $500,000. [1] Includes countries and regions not shown separately. [2] Organization of Petroleum Exporting Countries. See table 946 for list of countries. [3] Agricultural machinery and parts and tractors, excluding tractor parts. [4] Includes sound recording and reproducing apparatus and equipment. [5] Electrical machinery, apparatus, appliances, and parts. [6] Includes motor vehicle and tractor parts, except tires, engines, and electrical parts.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade,* Report FT 990, December issue; U.S. General Imports/World Area and Country of Origin by Schedule A Commodity Groupings and FT 155, U.S. Exports/World Area and Country of Destination by Schedule E Commodity Groupings FT 455.

No. 1372. U.S. Exports, Imports, and Merchandise Trade Balance, by Continent, Area, and Country: 1980 to 1987

[**In millions of dollars, except percent.** Includes silver ore and bullion. Area, continent, and individual country totals include exports of special category commodities, if any. Data include nonmonetary gold; beginning 1984, data include trade of Virgin Islands with foreign countries, see footnote 2 for exception. Minus sign (–) denotes an excess of imports over exports. See *Historical Statistics, Colonial Times to 1970*, series U 317-352, for selected countries]

CONTINENT, AREA, AND COUNTRY	EXPORTS, DOMESTIC AND FOREIGN					GENERAL IMPORTS [1]					MERCHANDISE TRADE BALANCE				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Total [2]	**220,783**	**217,888**	**213,146**	**217,304**	**252,866**	**244,871**	**325,726**	**345,276**	**369,961**	**405,901**	**–24,088**	**–107,838**	**–132,130**	**–152,657**	**–153,035**
Developed countries [3]	130,848	135,884	134,018	141,447	165,375	125,306	200,714	223,314	245,967	256,561	+5,542	–64,830	–89,296	–104,520	–91,186
Percent of total	59.3	62.4	62.9	65.1	65.1	51.2	61.6	64.7	66.5	63.2	(X)	(X)	(X)	(X)	(X)
Developing countries [3]	81,125	74,421	71,673	70,639	81,630	117,025	119,790	116,161	117,221	141,123	–35,900	–45,369	–44,488	–46,582	–59,493
Communist areas, total	7,616	7,214	7,091	5,125	5,721	2,496	5,221	5,801	6,773	8,218	+5,120	+1,993	+1,290	–1,648	–2,497
Unidentified countries	1,116	369	365	94	77	44	1	(X)	(X)	(X)	+1,072	+368	+365	+94	+77
Africa	9,060	8,827	7,388	5,978	6,283	34,410	14,355	11,964	10,348	11,939	–25,350	–5,528	–4,576	–4,370	–5,656
Asia	60,168	64,533	60,745	64,532	73,268	80,299	120,132	131,884	153,869	174,452	–20,131	–55,599	–71,139	–89,337	–101,184
Oceania	4,876	5,745	6,399	6,659	6,526	3,392	3,558	3,819	3,717	4,136	+1,484	+2,187	+2,580	+2,942	+2,390
Europe	71,372	62,207	59,978	63,631	71,917	48,039	73,307	81,692	91,826	97,419	+23,333	–11,100	–21,714	–28,195	–25,502
North America	56,737	65,159	67,249	64,461	81,758	64,287	93,330	94,985	91,724	97,591	–7,550	–28,171	–27,736	–27,263	–15,833
South America	17,377	11,050	11,022	11,950	13,036	14,400	21,043	20,932	18,477	20,363	+2,977	–9,993	–9,910	–6,527	–7,327
Western Hemisphere	**74,114**	**76,209**	**78,271**	**76,411**	**94,795**	**78,687**	**114,373**	**115,916**	**110,201**	**117,954**	**–4,573**	**–38,164**	**–37,645**	**–33,790**	**–23,159**
Canada	35,395	46,524	47,251	45,333	59,814	41,459	66,478	69,006	68,253	71,085	–6,064	–19,954	–21,755	–22,920	–11,271
20 Latin American countries	36,030	26,302	27,850	27,968	31,574	29,952	42,341	43,448	39,541	44,371	+6,078	–16,039	–15,598	–11,573	–12,797
Other Western Hemisphere	2,688	3,383	3,170	3,110	3,407	7,277	5,554	3,462	2,408	2,498	–4,589	–2,171	–292	+702	+909
Central American Common Market	1,951	1,659	1,622	1,767	1,873	1,849	1,757	1,722	2,061	1,939	+102	–98	–100	–294	–66
Costa Rica	496	423	422	483	582	356	473	501	641	670	+142	–50	–79	–158	–88
El Salvador	272	427	445	518	390	427	390	396	385	284	–155	+37	+49	+133	+106
Guatemala	552	377	405	400	480	435	444	409	601	495	+117	–67	–4	–201	–15
Honduras	379	322	308	363	418	419	393	375	433	489	–40	–71	–67	–70	–71
Nicaragua	250	112	42	3	4	211	57	41	1	1	+39	+55	+1	+2	+3
Latin American Free Trade Association	32,274	22,820	24,414	24,180	27,356	26,735	38,861	39,943	35,655	40,519	+5,539	–16,041	–15,529	–11,475	–13,163
Argentina	2,625	900	721	944	1,090	741	954	1,069	856	1,080	+1,884	–54	–348	+88	+10
Bolivia	172	106	120	112	140	182	155	99	124	111	–10	–49	+21	–12	+29
Brazil	4,343	2,640	3,140	3,885	4,040	3,715	7,621	7,526	6,813	7,865	+628	–4,981	–4,386	–2,928	–3,825
Chile	1,353	805	682	823	796	515	781	745	820	981	+838	+24	–63	+3	–185
Colombia	1,736	1,450	1,468	1,319	1,412	1,241	1,146	1,331	1,874	2,232	+495	+304	+137	–555	–820
Ecuador	864	655	591	601	621	876	1,695	1,837	1,465	1,266	–12	–1,040	–1,246	–864	–645
Mexico	15,145	11,992	13,635	12,392	14,582	12,580	18,020	19,132	17,302	20,271	+2,565	–6,028	–5,497	–4,910	–5,689
Paraguay	109	64	99	171	183	81	41	24	30	22	+28	+23	+75	+141	+161
Peru	1,171	751	496	693	814	1,386	1,342	1,087	803	769	–215	–591	–591	–110	+45
Uruguay	183	80	64	100	92	97	563	557	472	344	+86	–483	–493	–372	–252
Venezuela	4,573	3,377	3,399	3,141	3,586	5,321	6,543	6,537	5,097	5,579	–748	–3,166	–3,138	–1,956	–1,993
Other Latin America	1,805	1,823	1,814	2,021	2,345	1,368	1,723	1,782	1,826	1,913	+437	+100	+32	+195	+432
Cuba	(Z)	1	1	2	1	(Z)	(Z)	(Z)	(Z)	–	(Z)	+1	+1	+2	+1
Dominican Republic	795	646	742	921	1,142	787	1,018	982	1,085	1,163	+8	–372	–240	–164	–21
Haiti	311	419	396	387	459	252	377	390	375	395	+59	+42	+6	+12	+64
Panama	699	757	675	711	743	330	328	410	365	356	+369	+429	+265	+346	+387

Other Western Hemisphere	**2,688**	**3,383**	**3,170**	**3,110**	**3,407**	**7,277**	**5,554**	**3,462**	**2,408**	**2,498**	**−4,589**	**−2,171**	**−292**	**+702**	**+909**
Bahamas, The	396	555	786	761	782	1,469	1,173	626	442	416	−1,073	−618	+160	+319	+366
Barbados	136	242	173	147	132	96	254	202	108	59	+40	−12	−29	+39	+73
Belize	58	53	56	59	72	60	46	47	51	42	−2	+7	+9	+8	+30
Bermuda	136	225	258	236	261	13	8	7	6	6	+123	+217	+251	+230	+255
French West Indies	67	38	28	39	44	7	15	3	3	2	+60	+23	+25	+36	+42
Greenland	3	2	6	2	3	14	12	3	1	1	−11	−10	+3	+1	+2
Guyana	96	51	43	47	60	120	78	47	64	59	−24	−27	−4	−17	+1
Jamaica	305	495	404	457	601	383	377	273	299	395	−78	+118	+131	+158	+206
Leeward and Windward Islands	152	209	199	225	238	36	45	95	84	87	+116	+164	+104	+141	+151
Netherlands Antilles	448	648	427	398	507	2,564	2,048	808	471	521	−2,116	−1,400	−381	−73	−14
Suriname	136	100	86	84	72	109	105	60	39	46	+27	−5	+26	+45	+26
Trinidad and Tobago	680	601	504	532	361	2,383	1,360	1,258	793	815	−1,703	−759	−754	−261	−454
Other	74	164	200	125	274	23	33	33	47	49	+51	+131	+167	+78	+225
Western Europe	**67,512**	**58,019**	**56,763**	**61,642**	**69,718**	**46,602**	**71,153**	**79,756**	**89,825**	**95,496**	**+20,910**	**−13,134**	**−22,993**	**−28,183**	**−25,778**
OECD [4]	66,654	57,486	56,084	61,003	69,091	46,137	70,626	79,165	89,130	94,636	+20,517	−13,140	−23,081	−28,127	−25,545
European Economic Community [5]	58,691	50,498	48,996	53,155	60,575	37,882	60,229	67,822	75,736	81,188	+20,809	−9,731	−18,826	−22,581	−20,613
Belgium and Luxembourg	6,661	5,301	4,918	5,399	6,189	1,914	3,139	3,387	4,006	4,171	+4,747	+2,162	+1,531	+1,393	+2,018
Denmark	863	605	706	758	893	727	1,418	1,665	1,757	1,779	+136	−813	−959	−999	−886
France	7,485	6,037	6,096	7,216	7,943	5,265	8,113	9,482	10,129	10,730	+2,220	−2,076	−3,386	−2,913	−2,787
Greece [5]	922	456	498	430	402	292	355	395	394	480	+630	+101	+103	+36	−78
Ireland	836	1,354	1,342	1,434	1,810	413	844	901	1,003	1,112	+423	+510	+441	+431	+698
Italy	5,511	4,375	4,625	4,838	5,530	4,325	7,935	9,674	10,607	11,040	+1,186	−3,560	−5,049	−5,769	−5,510
Netherlands	8,669	7,554	7,269	7,848	8,217	1,913	4,069	4,081	4,066	3,964	+6,756	+3,485	+3,188	+3,782	+4,253
Portugal	911	961	695	638	581	278	477	546	552	664	+633	+484	+149	+86	−83
Spain	3,179	2,561	2,524	2,615	3,148	1,220	2,391	2,515	2,702	2,838	+1,959	+170	+9	−87	+310
United Kingdom	12,694	12,210	11,273	11,418	14,114	9,842	14,492	14,937	15,396	17,341	+2,852	−2,282	−3,664	−3,978	−3,227
West Germany	10,960	9,084	9,050	10,561	11,748	11,693	16,996	20,239	25,124	27,069	−733	−7,912	−11,189	−14,563	−15,321
Other OECD [4]	7,962	6,989	7,091	7,850	8,516	8,255	10,401	11,343	13,395	13,447	−293	−3,412	−4,252	−5,545	−4,931
Austria	447	375	441	464	549	389	714	834	864	929	+58	−339	−393	−400	−380
Finland	505	350	438	381	515	439	782	895	908	999	+66	−432	−457	−527	−484
Iceland	79	51	38	60	84	200	207	248	238	286	−121	−156	−210	−178	−202
Norway	843	859	666	937	842	2,632	1,904	1,164	1,079	1,404	−1,789	−1,045	−498	−142	−562
Sweden	1,767	1,542	1,925	1,871	1,894	1,617	3,244	4,124	4,420	4,758	+150	−1,702	−2,199	−2,549	−2,864
Switzerland	3,781	2,563	2,288	2,977	3,151	2,803	3,117	3,476	5,253	4,249	+978	−554	−1,188	−2,276	−1,098
Turkey	540	1,249	1,295	1,160	1,483	175	433	602	633	821	+365	+816	+693	+527	+662
Other Western Europe	**858**	**533**	**679**	**639**	**627**	**464**	**527**	**591**	**695**	**861**	**+394**	**+6**	**+88**	**−56**	**−234**
Yugoslavia	756	432	595	528	461	446	478	542	646	797	+310	−46	+53	−118	−336
Other	102	101	84	111	166	18	49	49	49	64	+84	+52	+35	+62	+102

See footnotes at end of table.

No. 1372. U.S. Exports, Imports, and Merchandise Trade Balance, by Continent, Area, and Country: 1980 to 1987—Continued

[In millions of dollars, except percent. See headnote, p. 788]

CONTINENT, AREA, AND COUNTRY	EXPORTS, DOMESTIC AND FOREIGN					GENERAL IMPORTS ¹					MERCHANDISE TRADE BALANCE				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Communist areas in Europe	3,860	4,188	3,215	1,989	2,200	1,437	2,154	1,936	2,001	1,923	+2,423	+2,034	+1,279	−12	+277
Bulgaria	161	44	104	97	89	25	29	36	57	42	+136	+15	+68	+40	+47
Czechoslovakia	185	58	63	72	47	69	86	76	85	78	+116	−28	−13	−13	−31
East Germany	479	137	73	68	54	44	149	92	87	85	+435	−12	−19	−19	−31
Hungary	80	88	94	98	95	107	221	218	225	279	−27	−133	−124	−127	−184
Poland	714	318	238	151	239	416	220	220	233	296	+298	+98	+18	−82	−57
Romania	722	249	208	251	193	312	893	882	754	715	+410	−644	−674	−503	−522
Soviet Union	1,513	3,284	2,423	1,248	1,480	454	554	409	558	425	+1,059	+2,730	+2,014	+690	+1,055
Other	7	10	12	4	3	10	2	3	2	3	−3	+8	+9	+2	−
Asia	60,168	64,533	60,745	64,532	73,268	80,299	120,132	131,884	153,869	174,452	−20,131	−55,599	−71,139	−89,337	−101,184
Japan	20,790	23,575	22,631	26,882	28,249	30,714	57,135	68,783	81,911	84,575	−9,924	−33,560	−46,152	−55,029	−56,326
Communist areas	3,756	3,027	3,876	3,136	3,522	1,059	3,067	3,865	4,772	6,295	+2,697	−40	+11	−1,636	−2,773
Near East Asia	11,900	11,133	9,709	8,415	9,502	18,672	8,062	6,267	7,890	10,811	−6,772	+3,071	+3,442	+525	−1,309
Bahrain	197	145	107	195	205	16	54	84	77	63	+181	+91	+23	+118	+142
Iran	23	162	74	34	54	458	700	725	569	1,668	−435	−538	−651	−535	−1,614
Iraq	724	664	427	528	683	460	124	474	440	495	+264	+540	−47	+88	+188
Israel	2,045	2,194	2,580	2,239	3,130	950	1,750	2,123	2,418	2,639	+1,095	+444	+457	−179	+491
Jordan	407	299	377	332	365	3	4	14	10	11	+404	+295	+363	+322	+354
Kuwait	886	636	551	657	505	494	260	184	267	522	+392	+376	+367	+390	−17
Lebanon	303	286	141	106	97	33	7	19	30	33	+270	+279	+122	+76	+64
Saudi Arabia	5,768	5,564	4,474	3,449	3,373	12,648	3,741	1,907	3,612	4,433	−6,880	+1,823	+2,567	−163	−1,060
Syria	239	104	106	59	93	26	2	3	8	59	+213	+102	+103	+51	+34
Other	1,307	1,079	872	816	997	3,584	1,420	734	459	888	−2,277	−341	+138	+357	+109
East and South Asia	23,722	26,798	24,530	26,099	31,995	29,854	51,868	52,969	59,296	72,772	−6,132	−25,070	−28,439	−33,197	−40,777
Afghanistan	11	7	3	8	8	6	13	7	5	6	+5	−6	−4	−3	+2
Burma	29	16	10	16	8	9	14	14	14	12	+20	+2	−4	+2	−4
China: Taiwan	4,337	5,003	4,700	5,524	7,413	6,854	14,768	16,396	19,791	24,622	−2,517	−9,765	−11,696	−14,267	−17,209
Hong Kong	2,686	3,062	2,786	3,030	3,983	4,739	8,266	8,396	8,891	9,854	−2,053	−5,204	−5,610	−5,861	−5,871
India	1,689	1,570	1,642	1,536	1,463	1,098	2,552	2,295	2,283	2,529	+591	−982	−653	−747	−1,066
Indonesia	1,545	1,216	795	946	767	5,217	5,462	4,569	3,312	3,394	−3,672	−4,246	−3,774	−2,366	−2,627
Kampuchea	26	1	−	−	−	(Z)	(Z)	−	−	−	+26	+1	−	−	−
Laos	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	2	(Z)	(Z)	1	(Z)	−2	(Z)	(Z)	−1
Malaysia	1,337	1,856	1,539	1,730	1,897	2,577	2,721	2,300	2,421	2,921	−1,240	−865	−761	−691	−1,024
Pakistan	642	1,093	1,042	830	733	128	244	274	325	405	+514	+849	+768	+505	+328

Philippines	1,999	1,766	1,379	1,363	1,599	1,731	2,430	2,145	1,972	2,264	+268	−664	−766	−609	−665
Singapore	3,033	3,675	3,476	3,380	4,053	1,921	3,979	4,260	4,725	6,201	+1,112	−304	−784	−1,345	−2,148
South Korea	4,685	5,983	5,956	6,355	8,099	4,147	9,353	10,013	12,729	16,987	+538	−3,370	−4,057	−6,374	−8,888
Sri Lanka	62	92	73	66	77	126	272	282	337	417	−64	−180	−209	−271	−340
Thailand	1,263	1,113	849	936	1,544	816	1,326	1,426	1,748	2,220	+447	−213	−579	−812	−676
Other	378	345	260	379	351	484	466	590	743	939	−106	−121	−310	−364	−588
Oceania	**4,876**	**5,745**	**6,399**	**6,659**	**6,526**	**3,392**	**3,558**	**3,819**	**3,717**	**4,136**	**+1,484**	**+2,187**	**+2,580**	**+2,942**	**+2,390**
Australia	4,093	4,793	5,441	5,551	5,495	2,509	2,675	2,837	2,632	3,007	+1,584	+2,118	+2,604	+2,919	+2,488
New Zealand	599	712	727	881	819	703	791	860	982	1,052	−104	−79	−133	−101	−233
Other Oceania	184	240	231	227	212	180	92	122	103	77	+4	+148	+109	+124	+135
Africa	**9,060**	**8,827**	**7,388**	**5,978**	**6,283**	**34,410**	**14,355**	**11,964**	**10,348**	**11,939**	**−25,350**	**−5,522**	**−4,576**	**−4,370**	**−5,656**
Algeria	542	520	430	453	426	6,577	3,638	2,333	1,831	1,999	−6,035	−3,118	−1,903	−1,378	−1,573
Angola	111	103	137	86	95	742	1,010	1,054	678	1,294	−631	−907	−917	−592	−1,199
Cameroon	93	66	69	48	47	605	721	324	305	414	−512	−651	−255	−257	−367
Central African Republic	1	1	1	1	2	9	3	1	4	5	−8	−2	(z)	−3	−3
Egypt	1,874	2,704	2,323	1,982	2,210	539	170	79	112	465	+1,335	+2,534	+2,244	+1,870	+1,745
Ethiopia	72	174	203	104	136	87	82	43	73	74	−15	+92	+160	+31	+62
Gabon	48	36	91	25	53	343	660	502	207	358	−295	−644	−411	−182	−305
Ghana	127	46	54	84	115	206	47	90	191	249	−79	−1	−36	−107	−134
Ivory Coast	185	65	70	60	82	288	469	525	425	373	−103	−404	−455	−365	−291
Kenya	141	74	97	70	95	54	64	92	141	79	+87	+10	+5	−71	+16
Liberia	113	97	73	65	70	128	96	83	82	86	−15	+1	−10	−17	−16
Libya	509	200	311	46	(z)	8,595	9	44	2	(z)	−8,086	+191	+267	+44	(z)
Madagascar	7	39	33	25	18	91	71	53	63	71	−84	−32	−20	−38	−53
Mauritania	20	9	26	16	8	(z)	1	(z)	2	18	+19	+8	+26	+14	−10
Morocco	344	526	279	487	383	35	34	39	43	50	+309	+492	+240	+444	+333
Mozambique	69	23	56	23	50	105	24	16	19	28	−36	−1	+40	+4	+22
Nigeria	1,150	577	676	409	295	11,105	2,509	3,002	2,530	3,573	−9,955	−1,931	−2,326	−2,121	−3,278
South Africa	2,463	2,265	1,205	1,159	1,281	3,321	2,486	2,071	2,365	1,346	−858	−223	−866	−1,206	−65
Sudan	142	136	243	90	152	17	20	9	22	22	+125	+116	+234	+68	+130
Tanzania	62	44	46	36	35	32	12	10	12	14	+30	+32	+36	+26	+23
Tunisia	173	434	256	163	119	60	30	13	11	69	+113	+404	+243	+152	+50
Uganda	12	3	5	4	19	126	93	113	133	81	−114	−90	−108	−129	−62
Zaire	155	82	105	105	104	418	502	401	221	306	−263	−420	−296	−116	−204
Zambia	98	91	60	35	48	200	124	58	65	50	−102	−33	+2	−30	−2
Other	549	512	539	400	437	727	1,457	1,009	811	911	−178	−945	−470	−411	−474

– Represents zero. Z Less than $500,000. [1] Imports: 1980, f.a.s basis; other years, customs value basis. Exports are f.a.s. value. [2] Includes revisions not carried to area values; therefore, area values will not add to total. [3] Developed countries include Canada, Western Europe, Japan, Australia, New Zealand, and South Africa; developing countries include rest of the world excluding Communist areas in Europe and Asia. Assignment of countries generally follows that made by United Nations. (See table 1403.) [4] OECD=Organization of Economic Cooperation and Development. [5] As of 1981, Greece, became a member of EEC; as of 1986 Spain and Portugal became members of EEC. For consistency, data for all years are shown on same basis.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

NO. 1373. U.S. EXPORTS AND IMPORTS FOR CONSUMPTION OF MERCHANDISE, BY CUSTOMS REGION AND DISTRICT: 1970 TO 1987

[In **billions of dollars.** Exports are f.a.s. (free alongside ship) value all years; imports are on customs value basis for years 1983 to present; f.a.s. value basis prior to 1983. See *Historical Statistics, Colonial Times to 1970,* series U 264–273, for related data]

CUSTOMS REGION AND DISTRICT	EXPORTS							IMPORTS FOR CONSUMPTION						
	1970	1980	1983	1984	1985	1986	1987	1970	1980	1983	1984	1985	1986	1987
Total [1]	43.2	220.8	200.5	217.9	213.1	217.3	252.9	40.0	244.0	258.0	323.0	343.6	368.7	402.1
Boston, MA region	3.3	14.3	14.9	17.7	17.5	18.3	21.0	5.7	21.6	27.5	38.2	37.0	40.3	43.4
Portland, ME	.1	4.3	.7	.7	.6	.6	.8	.3	1.6	1.8	2.3	2.3	2.7	3.3
St. Albans, VT	.2	.7	.7	1.1	1.1	1.3	1.6	.4	1.6	2.0	2.5	2.7	2.7	3.2
Boston, MA	.4	.8	2.6	2.8	3.0	3.8	4.4	1.0	5.0	6.4	8.1	8.2	9.2	12.0
Providence, RI	(Z)	2.5	.1	(Z)	(Z)	(Z)	(Z)	.1	.6	1.0	.9	1.0	1.3	1.6
Bridgeport, CT	(Z)	.2	.1	.1	.1	(Z)	(NA)	.2	.9	1.2	1.7	1.3	1.4	(NA)
Ogdensburg, NY	.9	3.8	3.7	4.5	4.1	4.4	4.7	1.1	4.6	5.6	7.1	6.8	7.5	7.9
Buffalo, NY	1.7	6.3	7.0	8.5	8.4	8.2	9.5	2.7	7.4	9.2	13.7	14.7	15.5	15.4
New York, NY region	10.0	38.9	29.0	31.3	28.5	33.4	32.8	10.1	43.4	46.5	59.2	60.5	67.0	68.4
Baltimore, MD region	3.9	21.5	16.8	13.7	13.4	12.1	13.8	3.9	26.8	23.3	29.7	31.1	31.3	34.4
Philadelphia, PA	.7	3.2	2.3	2.1	2.0	1.9	2.4	1.9	15.6	13.4	15.8	15.8	13.7	15.6
Baltimore, MD	1.3	9.0	7.1	5.8	5.5	4.9	5[illegible]	1.4	6.0	5.5	8.5	8.8	11.0	11.2
Norfolk, VA [2]	1.8	8.9	7.1	5.4	5.4	5.3	5.5	.6	4.7	4.1	5.0	6.0	5.8	6.3
Washington, DC	.1	.3	.4	.4	.5	(Z)	.5	.1	.4	.3	.4	.5	.8	.7
Miami, FL region	2.0	17.6	15.7	18.5	17.8	18.6	21.4	2.4	19.0	21.3	26.3	27.0	31.5	34.5
Wilmington, NC	.2	1.3	1.3	1.3	1.3	1.2	1.1	.2	1.1	1.3	1.7	1.9	2.4	2.5
Charleston, SC [2]	.2	3.1	2.5	2.9	2.9	3.0	3.6	.3	1.8	2.3	3.0	3.3	4.9	5.9
Savannah, GA	.4	2.4	2.9	3.7	3.4	3.8	4.4	.3	2.2	3.5	4.7	5.1	6.4	7.4
Tampa, FL	.2	2.8	2.1	2.8	2.8	2.1	2.7	.6	3.7	4.6	5.7	6.6	7.6	7.4
San Juan, PR	.1	.9	1.3	1.4	1.2	1.3	1.4	.6	3.7	3.5	4.3	4.0	3.8	3.9
Virgin Islands	(NA)	.1	.2	.2	.1	(Z)	.1	(NA)	4.1	2.6	2.5	1.7	1.2	1.7
Miami, FL	.7	6.9	5.5	6.2	6.1	7.2	8.1	.4	2.6	3.3	4.3	4.4	5.2	5.7
New Orleans, LA region	3.9	22.0	19.6	18.1	15.0	14.4	15.4	1.6	25.5	16.3	17.7	17.5	17.1	18.8
Mobile, AL [2]	.5	2.6	1.4	1.2	1.1	1.3	1.4	.3	3.0	3.2	3.4	2.8	2.3	2.9
New Orleans, LA	3.5	19.5	18.2	16.8	13.9	13.1	14.0	1.4	22.5	13.0	14.3	14.7	14.8	15.9
Houston, TX region	4.0	28.3	22.5	25.1	23.6	21.7	25.0	1.8	34.7	28.1	31.9	29.7	27.7	31.4
Port Arthur, TX	.5	2.0	1.5	1.7	.8	.7	.9	.1	9.4	5.0	5.2	2.7	1.3	1.9
Laredo, TX	1.1	8.3	4.4	6.4	7.2	6.3	7.5	.4	2.7	4.0	4.6	4.8	5.7	6.8
El Paso, TX	.1	1.8	1.4	1.8	2.1	2.3	2.6	.2	1.4	1.9	2.2	2.5	3.0	3.4
Houston/Galveston, TX	2.4	15.7	14.6	14.7	12.5	11.2	12.5	1.1	20.1	15.7	17.8	17.3	14.5	18.0
Dallas/Fort Worth, TX	(NA)	.5	.6	.8	1.0	1.2	1.5	(NA)	1.2	1.5	2.2	2.4	3.2	3.3
Los Angeles, CA region	2.5	17.0	18.7	20.7	21.9	22.2	26.4	3.3	22.2	28.3	34.6	47.9	53.1	58.4
San Diego, CA	.3	1.4	.9	1.4	1.6	1.5	1.7	.2	1.0	1.2	1.6	1.8	2.2	2.7
Nogales, AZ	.1	.8	.6	.9	.8	.8	1.0	.2	1.2	1.7	1.9	2.0	2.4	3.1
Los Angeles, CA	2.1	14.8	17.1	18.4	19.5	19.9	23.7	2.9	20.0	25.4	31.1	44.1	48.5	53.6
San Francisco, CA region	4.9	29.3	27.6	29.3	30.1	32.1	37.0	3.6	25.0	30.2	38.1	38.5	44.1	48.0
San Francisco, CA	1.8	10.6	11.3	12.4	11.3	11.4	14.3	1.3	8.3	11.2	16.2	15.5	19.1	21.8
Portland, OR	.8	3.8	3.7	4.1	3.5	3.2	3.7	.4	2.6	2.8	3.6	3.8	4.7	4.8
Seattle, WA	1.9	12.0	10.0	10.1	12.1	14.9	15.7	1.3	9.2	9.9	12.7	13.4	15.3	17.2
Anchorage, AK	.1	1.0	1.1	1.1	1.3	1.3	1.7	.1	.2	.4	.3	.2	.3	.1
Honolulu, HI	.1	.2	.2	.3	.4	.2	.4	.2	1.8	1.8	1.4	1.6	1.4	1.6
Great Falls, MT	.2	1.8	1.2	1.4	1.5	1.1	1.2	.3	3.2	3.8	3.9	4.0	3.3	3.7
Chicago, IL region	6.2	25.2	27.8	34.0	34.0	33.7	40.7	7.3	25.6	35.7	48.7	52.4	54.8	61.0
Pembina, ND	.4	2.3	2.0	2.3	2.2	2.3	2.5	.5	3.0	2.5	3.4	3.2	2.6	2.7
Minneapolis, MN	(Z)	.1	.2	.2	.2	.2	.3	.1	.3	.5	.8	1.0	1.2	1.4
Duluth, MN	.3	1.5	1.0	1.6	.9	.8	.7	.5	3.0	2.9	3.3	3.0	2.4	2.9
Milwaukee, WI	.1	.4	.2	.2	.3	.1	.1	.1	.4	.8	.9	1.0	.9	.9
Detroit, MI	4.1	14.6	17.9	22.6	22.8	21.3	26.6	4.2	12.7	19.9	25.9	27.4	27.9	29.7
Chicago, IL	.8	4.2	4.7	5.1	5.4	6.1	6.9	1.2	4.1	5.8	10.1	11.4	12.3	13.8
Cleveland, OH	.5	1.8	1.7	1.9	2.1	2.7	3.4	.6	1.5	2.1	2.8	3.8	5.4	7.3
St. Louis, MO	(Z)	.2	.1	.1	.1	.2	.2	.1	.9	.8	1.4	1.6	2.0	2.3

NA Not available. Z Less than $50 million. [1] Totals shown for exports reflect the value of estimated parcel post and Special Category shipments which are not distributed by customs region/district. Beginning 1984, the value of bituminous coal exported through Norfolk, VA; Charleston, SC; and Mobile, AL is reflected in the total but not distributed by region/district. Total bituminous coal exports for the 3 customs districts were valued at $2.3 billion in 1984, $2.6 billion in 1985, $2.3 billion in 1986 and $1.9 billion in 1987. Totals shown for imports include estimated shipments not distributed by region/district. [2] Beginning 1984, excludes exports of bituminous coal.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade,* FT 990, monthly.

NO. 1374. EXPORT AND IMPORT UNIT VALUE INDEXES—SELECTED COUNTRIES: 1981 TO 1987

[**Indexes in U.S. dollars, 1980 = 100.** A unit value is an implicit price derived from value and quantity data]

COUNTRY	EXPORT UNIT VALUE							IMPORT UNIT VALUE						
	1981	1982	1983	1984	1985	1986	1987	1981	1982	1983	1984	1985	1986	1987
United States	109	110	112	113	112	113	115	106	104	100	101	99	95	102
Australia	102	95	90	86	79	77	83	103	97	93	93	88	92	102
Austria	86	84	80	74	73	97	114	90	84	79	74	74	92	108
Belgium-Luxembourg	86	80	76	72	71	85	96	90	84	80	77	75	83	99
Canada	104	102	102	101	98	93	98	108	109	109	111	108	105	110
Denmark	90	86	81	77	78	99	116	93	87	82	78	78	93	108
France	88	83	79	77	78	(NA)	(NA)	92	85	79	76	76	(NA)	(NA)
Italy	92	89	85	81	81	99	115	103	97	91	83	82	86	98
Japan	(NA)	(NA)	97	96	95	114	125	(NA)	(NA)	91	89	89	76	81
Norway	100	95	87	85	84	74	78	92	86	79	72	73	85	96
Sweden	91	82	75	75	74	89	(NA)	92	84	77	74	73	81	(NA)
Switzerland	88	88	86	81	76	102	123	83	79	77	72	71	87	102
United Kingdom	94	68	82	78	79	86	100	93	88	82	79	79	84	96
West Germany	86	83	80	74	75	98	115	92	86	81	77	77	87	99

NA Not available.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics,* monthly.

NO. 1375. U.S. EXPORTS AND IMPORTS—INDEXES OF UNIT VALUE AND QUANTITY: 1983 TO 1987

[1977 = 100]

END-USE COMMODITY CATEGORY	INDEX OF EXPORT OF U.S. MERCHANDISE					INDEX OF GENERAL IMPORTS				
	1983	1984	1985	1986	1987	1983	1984	1985	1986	1987
UNIT VALUE										
All commodities	154.1	156.2	155.0	155.4	158.6	160.6	163.5	159.4	154.0	164.6
Food, feed and beverages	120.4	123.9	110.3	101.7	94.7	118.8	121.1	117.0	125.6	123.3
Industrial supplies and materials	144.6	148.1	140.8	135.8	142.0	180.6	178.1	167.2	129.5	143.1
Capital goods exc. auto	171.7	171.1	178.1	182.7	185.7	122.0	128.6	131.0	136.2	142.4
Auto. vehicles parts and engines	190.3	199.3	208.4	224.3	239.8	186.5	200.3	205.0	236.9	264.2
Consumer goods exc. foods and auto	141.6	140.9	138.5	142.2	142.1	133.5	134.8	128.9	130.1	133.9
QUANTITY										
All commodities	107.8	115.1	113.0	112.6	127.0	110.3	136.7	148.6	164.9	169.2
Food, feed and beverages	130.9	129.4	110.6	111.4	128.8	110.6	125.4	135.0	138.8	142.3
Industrial supplies and materials	116.0	123.5	123.8	126.0	139.2	78.3	91.9	91.5	105.8	103.3
Capital goods exc. auto	106.3	114.0	111.8	113.1	125.6	244.8	340.4	360.9	401.0	440.7
Auto. vehicles parts and engines	66.7	78.2	82.4	73.9	77.5	126.7	154.0	183.8	191.2	185.5
Consumer goods exc. foods and auto	94.2	94.3	91.3	99.8	124.2	151.6	201.0	242.6	277.4	300.0

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT-990, monthly, and unpublished data.

NO. 1376. DOMESTIC EXPORTS, BY SELECTED COMMODITY GROUPS: 1970 TO 1987

[**In millions of dollars.** Totals and subtotals include data for commodities not shown separately. Beginning 1975, exports include nonmonetary gold. Commodity data beginning 1980 are not strictly comparable with previous years due to changes in export classifications; see source for changes. Beginning 1980, includes trade of Virgin Islands with foreign countries (see footnote 1 for exception). "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 274-294]

COMMODITY GROUP	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
U.S. merchandise	42,590	106,561	[1] 216,668	228,961	207,158	195,969	212,057	206,925	206,376	243,859
Food and live animals	4,356	15,484	27,744	30,291	23,950	24,166	24,463	19,268	17,303	19,179
Meat and preparations	175	528	1,293	1,482	1,285	1,191	1,208	1,153	1,424	1,768
Meat (fresh, chilled, or frozen)	147	491	1,217	1,389	1,194	1,110	1,129	1,090	1,365	1,699
Dairy products and eggs	137	134	255	433	409	373	368	388	407	385
Grains and preparations	2,596	11,642	18,079	19,457	14,747	15,152	16,076	11,050	7,368	8,058
Wheat and wheat flour	1,112	5,293	6,586	8,073	6,869	6,509	6,698	3,780	3,217	3,248
Rice	314	858	1,285	1,526	997	926	845	665	621	576
Coarse grains	1,072	5,272	9,866	9,501	6,420	7,231	8,241	6,251	3,132	3,742
Corn	824	4,448	8,570	8,014	5,682	6,480	7,081	5,319	2,718	3,314
Grain sorghums	196	699	1,080	1,174	720	747	880	939	389	406
Fruits and nuts	406	871	1,938	1,983	1,778	1,701	1,676	1,710	1,876	2,144
Fruit, fresh	164	404	716	802	730	761	688	693	780	829
Vegetables	178	406	992	1,131	937	744	759	667	781	811
Feed for animals	497	987	2,878	2,739	2,473	2,802	2,226	1,891	2,622	2,692
Beverages and tobacco	702	1,308	2,663	2,915	3,026	2,813	2,849	2,958	2,920	3,667
Tobacco and manufactures	679	1,253	2,426	2,723	2,845	2,647	2,704	2,789	2,732	3,400
Leaf tobacco	481	852	1,334	1,457	1,547	1,462	1,511	1,521	1,209	1,090
Cigarettes	159	368	1,055	1,229	1,235	1,126	1,120	1,180	1,298	2,047
Crude materials, inedible, exc. fuels	4,605	9,784	23,791	20,993	19,248	18,596	20,249	16,939	17,324	20,416
Hides and skins, except fur skins	145	295	694	700	778	807	1,171	1,088	1,314	1,450
Fur skins, undressed	42	115	352	325	244	203	212	207	207	281
Soybeans	1,216	2,865	5,883	6,200	6,240	5,925	5,438	3,906	4,334	4,343
Synthetic rubber	176	261	695	624	553	543	624	584	649	761
Wood in the rough [2]	366	751	2,002	1,426	1,522	1,366	1,372	1,448	1,418	1,848
Wood shaped or simply worked	193	413	1,060	933	811	914	841	760	994	1,349
Lumber, softwood	162	342	778	653	576	602	530	493	640	851
Woodpulp	464	875	1,652	1,661	1,415	1,432	1,502	1,343	1,662	2,250
Textile fibers and wastes	543	1,345	3,929	3,402	2,817	2,593	3,343	2,476	1,602	2,552
Raw cotton, excluding linters	372	991	2,864	2,260	1,955	1,817	2,441	1,633	773	1,631
Ores and metal scrap	940	1,355	4,518	2,718	2,174	2,276	2,666	2,692	2,802	3,018
Iron and steel scrap	447	780	1,226	639	610	637	918	917	1,054	967
Ores and scrap, nonferrous base	397	461	1,223	899	690	451	560	517	480	562
Mineral fuels and related materials	1,595	4,470	7,982	10,279	12,729	9,500	9,311	9,971	8,114	7,713
Coal	962	3,259	4,621	5,909	5,987	4,051	4,132	4,464	3,928	3,366
Petroleum and products	488	908	2,833	3,696	5,947	4,557	4,470	4,707	3,639	3,922
Lubricating oils	175	275	733	799	345	667	568	549	602	327
Animal and vegetable oils and fats	493	944	1,946	1,750	1,541	1,459	1,922	1,434	1,015	981
Tallow, inedible	176	299	677	645	572	568	617	538	350	362
Soybean oil	192	266	689	474	486	447	742	431	253	263

See footnotes at end of table.

No. 1378. Domestic Exports, by Selected Commodity Groups: 1970 to 1987—Continued

[In millions of dollars. See headnote, p. 793]

COMMODITY GROUP	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Chemicals and related products	**3,826**	**8,691**	**20,740**	**21,187**	**19,890**	**18,751**	**22,336**	**21,759**	**22,768**	**26,381**
Chemical elements and compounds	1,642	3,623	2,106	2,205	1,969	1,836	2,183	1,907	1,771	2,113
Dyeing, tanning, coloring materials	137	244	490	524	494	491	493	461	507	[illegible]
Medicinal, pharmaceutical prod.	420	866	1,932	2,165	2,275	2,494	2,829	2,700	3,090	3,182
Fertilizers, manufactured	178	1,083	2,285	1,735	1,366	1,267	1,815	2,160	1,935	2,289
Plastic materials and resins [3]	653	1,106	3,884	3,809	3,650	3,732	4,050	3,777	4,301	5,492
Machinery and transport equip	**17,882**	**45,666**	**84,628**	**95,736**	**87,148**	**82,578**	**89,973**	**94,278**	**95,290**	[illegible]
Machinery [4]	11,685	29,215	57,263	64,426	59,821	54,695	61,464	60,573	60,809	70,080
Power generating machinery	1,405	3,551	8,426	9,465	9,461	8,718	9,114	9,272	9,165	10,183
Agricultural machinery	182	704	1,295	1,420	1,127	832	965	854	772	[illegible]
Tractors and parts	750	2,126	2,150	2,298	1,760	1,389	1,921	1,832	1,155	1,250
Electronic computers, parts and accessories	1,236	2,228	7,763	8,741	9,159	10,599	13,461	13,841	14,514	17,486
Other office machines [5]	311	411	946	1,069	1,048	1,070	1,131	1,087	866	1,074
Metalworking machinery	398	922	1,756	2,158	1,611	1,121	1,175	1,249	1,467	1,009
Metalcutting machines	213	344	397	574	345	204	217	246	307	332
Textile, leather machinery	273	486	693	685	554	453	520	498	554	861
Construction, excavating, and mining equipment	434	1,277	1,626	1,823	1,253	766	760	820	713	773
Materials handling equipment	607	1,846	2,243	2,438	1,592	946	911	924	873	864
Air-conditioning and refrigerating equipment	397	928	1,523	1,694	1,487	1,268	1,309	1,199	1,121	1,335
Pumping equipment, incl. parts	241	543	1,091	1,248	1,246	1,003	1,025	1,000	910	964
Pipe valves and parts	196	456	829	936	854	716	673	610	609	711
Power machinery, switchgear	611	1,709	3,254	3,835	3,624	3,221	3,652	3,381	3,496	4,009
Generators, generating sets	117	548	619	745	686	376	590	330	307	339
Transforming, converting, transmission apparatus	156	417	914	1,116	1,325	926	995	937	937	1,014
Telecommunications apparatus	660	1,574	3,454	3,856	3,864	3,804	3,943	4,167	4,407	5,085
Radio, television apparatus	576	1,339	2,238	2,525	2,430	590	586	678	619	[illegible]
Domestic electrical equipment	119	359	796	841	673	611	626	550	542	742
Transport equipment [6]	6,197	16,452	27,366	31,310	26,668	27,298	28,509	33,706	34,026	38,000
Railway vehicles	91	462	452	488	433	402	584	426	538	348
Road motor vehicles, parts [6]	3,245	9,290	13,117	14,733	12,751	13,492	17,651	19,445	17,695	19,852
Automobiles, nonmilitary, new	822	2,852	3,919	3,919	2,860	4,200	4,868	6,020	6,254	6,694
Trucks and tractor trucks, commercial, new	452	1,712	1,467	1,618	1,186	1,042	1,686	2,183	1,998	2,243
Parts, accessories, commercial	1,603	3,620	6,058	7,395	6,939	7,531	9,069	9,376	8,492	9,657
Aircraft, parts, and accessories	2,656	6,136	12,816	14,738	11,775	12,189	10,914	14,373	15,106	16,904
Civilian aircraft	1,528	3,169	8,256	8,613	4,848	7,531	4,147	6,694	7,366	7,517
Other manufactured goods	**7,636**	**16,582**	**38,602**	**37,381**	**32,700**	**30,097**	**30,839**	**29,347**	**30,834**	**36,545**
Tires and tubes	186	544	511	584	372	304	392	343	315	514
Paper and manufactures	632	1,447	2,831	2,961	2,653	2,553	2,620	2,329	2,602	3,180
Paper and paperboard	526	1,131	2,162	2,192	1,877	1,843	1,914	1,722	1,992	2,430
Nonmetallic mineral mfrs., n.e.c.	475	964	2,209	2,194	1,804	1,770	1,865	1,821	1,886	2,289
Metals and manufactures	2,978	5,861	12,071	10,244	8,243	6,954	6,979	6,285	5,200	6,421
Iron and steelmill products [7]	1,186	2,362	2,998	2,601	2,101	1,415	1,248	1,152	1,020	1,223
Plates and sheets	335	327	938	663	372	295	284	270	291	382
Tubes, pipes, and fittings	226	1,412	1,080	1,252	1,214	731	605	510	391	436
Silver bullion, refined	31	104	1,327	181	106	169	86	82	57	79
Nonferrous base metals	893	1,090	2,964	2,046	1,766	1,606	1,634	1,798	1,195	1,689
Copper	358	333	434	388	322	386	395	299	682	345
Aluminum	358	433	2,022	1,297	1,026	1,010	990	937	816	1,202
Metal manufactures, n.e.c.	744	1,891	4,205	4,769	3,961	3,443	3,602	3,253	3,008	3,534
Tools for hand or machine	204	480	856	932	810	671	678	686	581	657
Textiles, other than clothing	603	1,624	3,632	3,619	2,784	2,368	2,382	2,366	2,570	2,833
Textile yarn and thread	145	298	753	902	711	533	547	628	573	677
Cotton broad-woven fabrics	103	376	566	349	253	201	193	204	301	292
Textile fabrics, woven, exc. cotton	151	386	632	797	522	430	424	388	466	555
Clothing	196	403	1,183	1,206	931	796	776	754	879	1,143
Professional, scientific, and controlling instruments [8]	857	1,792	5,256	5,980	6,003	5,856	6,198	6,505	6,732	7,398
Photographic supplies	250	606	1,507	1,501	1,396	1,366	1,464	1,313	1,418	1,472
Printed matter	327	548	1,097	1,297	1,341	1,324	1,391	1,279	1,342	1,562
Other transactions	**1,496**	**3,621**	**8,496**	**8,426**	**6,924**	**7,009**	**10,116**	**10,970**	**11,011**	**20,381**
Firearms of war and ammunition	682	1,361	2,006	2,165	3,261	3,092	2,971	2,653	2,282	2,258
Estimated shipments [9]	692	1,572	2,119	2,368	1,696	1,597	4,353	5,742	5,795	8,683

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[1] Includes revisions not carried to commodity groups; therefore, commodity groups will not add to total. [2] Beginning 1980, includes pulpwood chips, formerly classified in "Other manufactured goods" under "Wood and manufactures." [3] Beginning 1980, includes rubber materials, formerly classified in "Other manufactured goods" under "Rubber manufactures." [4] Includes parts for tractors. [5] Beginning 1980, includes photocopy apparatus, formerly classified in "Other manufactured goods" under "Photographic and motion picture equipment." [6] Excludes parts for tractors. [7] Excludes pig iron. [8] Beginning 1980, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, and controlling instruments"; formerly classified under "Machinery." [9] Beginning 1984, includes exports valued $10,000 and under reported without a valid schedule B commodity number; beginning 1985, includes estimates of export shipments valued under $1,001.

Source: U.S. Bureau of the Census, *U.S. Exports, Schedule E—Commodity by County,* FT 410, monthly.

No. 1377. General Imports, by Selected Commodity Groups: 1970 to 1987

[In millions of dollars. Imports are customs value basis for years 1982 to present; f.a.s. (free alongside ship) value basis prior to 1982. Totals and subtotals include value of commodities not shown separately. Beginning 1960, includes trade of Virgin Islands with foreign countries. "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 295-316]

COMMODITY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
General imports	**39,952**	**96,573**	**244,871**	**261,305**	**243,952**	**258,048**	**325,726**	**345,276**	**369,961**	**405,901**
C.i.f. values [1]	*42,429*	*103,389*	*256,984*	*273,352*	*254,884*	*269,878*	*341,177*	*361,626*	*387,081*	*424,082*
Food and live animals	**5,375**	**8,503**	**15,766**	**15,238**	**14,453**	**15,412**	**17,873**	**18,649**	**20,802**	**20,547**
Cattle, except for breeding	111	77	228	182	289	301	279	301	426	421
Meat and preparations	1,014	1,141	2,346	1,996	2,075	2,034	2,034	2,237	2,367	2,786
Meat, fresh or frozen	647	640	1,756	1,150	1,525	1,384	1,381	1,533	1,655	1,987
Ham, shoulders, and bacon [2]	241	397	336	325	349	399	399	438	482	400
Fish, including shellfish	794	1,356	2,612	2,962	3,143	3,594	3,671	3,985	4,691	5,590
Fruits and nuts	447	627	1,245	1,604	1,774	1,855	2,673	2,717	2,781	3,096
Bananas	188	220	416	542	581	569	627	723	709	773
Vegetables	289	355	802	983	1,042	1,065	1,218	1,261	1,420	1,378
Sugar	725	1,865	1,987	2,142	863	1,046	1,258	936	670	438
Coffee, green	1,160	1,561	3,872	2,622	2,730	2,590	3,064	3,130	4,293	2,706
Cocoa or cacao beans	201	321	395	466	323	349	411	564	418	504
Tea	53	88	131	133	129	132	203	166	133	106
Beverages and tobacco	**855**	**1,419**	**2,784**	**3,138**	**3,364**	**3,408**	**3,653**	**3,727**	**3,866**	**4,105**
Alcoholic beverages	725	1,033	2,232	2,399	2,513	2,626	2,853	2,966	3,066	3,268
Tobacco, unmanufactured	111	343	422	427	445	464	625	535	591	588
Crude materials, inedible, except fuels	**3,307**	**5,566**	**10,516**	**11,193**	**8,569**	**9,590**	**11,082**	**10,391**	**10,432**	**11,526**
Hides and skins, except fur skins	51	78	86	101	71	64	70	74	65	82
Fur skins, undressed	59	79	143	168	127	126	160	173	145	218
Rubber, including latex	231	353	980	980	735	909	1,132	654	921	1,125
Lumber, softwood	439	797	1,984	1,880	1,636	2,590	2,687	2,909	2,984	3,086
Lumber, hardwood	61	69	145	149	98	127	161	166	153	250
Woodpulp	460	1,032	1,725	1,778	1,485	1,470	1,845	1,499	1,604	2,069
Textile fibers and wastes	202	174	242	343	264	312	387	348	358	438
Wool and other animal hair	116	73	146	210	152	176	211	166	186	251
Industrial diamonds	39	42	119	118	80	96	106	136	105	83
Asbestos, unmanufactured	75	117	97	108	65	58	65	44	27	23
Ores and metal scrap	1,149	1,978	3,715	3,838	2,684	2,498	2,890	2,331	2,148	2,446
Iron ore and concentrates	480	864	773	951	497	452	534	468	469	411
Silver ore and base bullion	49	98	342	250	176	242	202	137	130	145
Nonferrous base metals [3]	522	783	2,291	1,722	1,552	1,306	1,606	1,290	1,020	1,167
Bauxite, crude	135	267	432	443	383	250	311	210	189	234
ineral fuels and related materials	**3,075**	**26,476**	**82,924**	**81,417**	**65,409**	**57,952**	**60,980**	**53,917**	**37,310**	**44,219**
Petroleum and products	2,764	24,814	77,637	75,577	59,396	52,325	55,906	49,607	34,140	41,529
Petroleum, crude and partly refined	1,448	19,293	65,717	61,940	45,862	36,809	36,529	33,034	22,720	29,321
Petroleum products	1,316	5,521	11,920	13,637	13,535	15,516	19,377	16,572	11,101	12,209
Natural gas	258	1,081	5,155	5,720	5,934	5,530	4,823	4,136	2,994	2,504
nimal and vegetable oils and fats	**160**	**554**	**533**	**479**	**406**	**495**	**696**	**672**	**516**	**568**
emicals and related products	**1,450**	**3,696**	**8,593**	**9,446**	**9,493**	**10,779**	**13,697**	**14,533**	**15,001**	**16,213**
Organic chemicals	355	1,027	2,541	2,974	2,960	3,477	4,265	4,576	4,704	5,408
norganic chemicals [3]	371	835	2,313	2,359	2,645	2,568	3,458	3,401	3,276	3,042
Medicinal and pharmaceutical products	87	235	509	583	563	703	931	1,084	1,240	1,456
Fertilizers, manufactured	192	626	1,104	1,181	963	997	1,142	967	865	1,001
chinery and transport equipment	**11,172**	**23,457**	**60,558**	**69,627**	**73,320**	**86,131**	**119,192**	**137,264**	**161,562**	**177,809**
Machinery	5,375	11,970	32,286	38,546	39,457	46,975	68,390	75,299	87,549	99,433
Engines and parts	782	1,615	1,866	2,251	2,611	3,570	6,348	8,849	8,482	9,391
Agricultural machinery	173	474	686	639	485	475	588	577	613	750
Tractors and parts	175	571	1,049	948	757	924	1,298	811	1,331	1,467
Office machines and data processing equipment	505	1,052	2,929	3,563	4,299	6,759	10,791	11,562	14,669	18,462
Metalworking machinery	164	361	1,425	1,613	1,468	1,480	2,025	2,759	3,249	2,976
Textile and leather machinery	361	518	889	974	924	1,059	1,282	1,105	1,447	1,811
Power machinery	247	550	2,039	2,378	2,547	2,974	7,291	8,849	9,802	10,860
Telecommunications apparatus	1,102	2,077	6,716	8,910	9,051	11,278	15,934	18,659	20,720	20,820
Electron tubes, transistors, semiconductor devices, and parts	224	899	3,592	3,959	4,524	5,388	8,228	6,227	6,540	8,218
ansport equipment	5,798	11,487	28,260	31,415	33,863	39,156	50,802	61,965	74,013	78,376
Automobiles and parts	5,068	9,921	24,015	26,113	29,218	34,870	45,284	45,476	66,201	70,680
Automobiles, new	3,722	7,124	16,776	17,540	19,757	22,934	29,208	36,475	45,302	47,858
Motorcycles	307	707	1,149	1,263	1,019	659	731	954	736	437
Aircraft and parts	274	519	1,885	2,585	2,481	2,051	3,011	3,578	4,494	4,475
r manufactured goods	**13,285**	**23,927**	**55,970**	**63,471**	**61,209**	**66,539**	**88,625**	**94,982**	**105,559**	**118,539**
ather manufactures and dressed furs	118	132	393	567	523	582	758	406	808	1,031
bber tires and tubes	205	475	1,143	1,331	1,239	1,406	1,839	1,923	1,986	2,271
ood manufactures (excl. furniture)	409	573	1,133	1,199	991	1,335	1,546	780	1,777	2,103
per and manufactures	1,087	1,673	3,587	3,874	3,848	4,216	5,571	5,977	6,360	7,310
Newsprint	930	1,427	2,685	2,871	2,749	2,759	3,299	3,633	3,682	4,116
nstruction materials [4]	106	186	550	565	507	628	940	1,158	1,356	1,503
ass, glassware, and pottery	336	531	1,228	1,349	1,351	1,002	1,468	2,195	2,492	2,871
monds, excluding industrial	433	730	2,252	2,188	1,917	2,275	2,905	3,006	3,459	3,423

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No. 1377. General Imports, by Selected Commodity Groups: 1970 to 1987—Continued

[In millions of dollars. See headnote, p. 795]

COMMODITY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Other manufactured goods—Con.										
Metals and manufactures	4,508	8,944	18,717	22,333	19,227	18,717	24,964	23,834	23,616	25,144
Pig iron and ferroalloys	78	558	678	863	428	453	664	468	621	629
Iron and steelmill products	1,952	4,037	6,692	10,347	9,184	6,338	10,208	10,266	8,168	8,493
Bars, rods, shapes, and pilings	486	930	1,420	1,747	1,469	1,307	1,865	1,775	1,603	1,726
Plates and sheets	906	1,680	2,505	2,998	2,542	2,993	4,566	4,237	3,838	4,084
Steel wire	119	225	293	288	242	287	226	436	208	287
Tubes, pipes, and fittings	349	1,008	2,193	4,836	4,466	1,386	2,633	2,445	1,592	1,502
Nonferrous base metals	1,502	2,063	5,182	5,270	4,018	4,785	6,252	7,008	5,753	6,377
Copper	532	419	1,470	1,279	988	1,341	1,512	1,146	1,377	1,551
Nickel	317	456	885	868	568	524	600	604	515	573
Aluminum	238	415	974	1,355	1,336	1,629	2,450	1,995	2,744	2,880
Lead	74	49	91	90	57	65	90	57	61	137
Tin	190	315	776	644	378	453	513	426	243	270
Silver, refined bullion	53	274	1,329	837	786	1,926	848	869	688	460
Platinum group metals	98	244	1,107	742	512	707	1,062	962	1,251	1,148
Metal manufactures, n.e.c	825	1,769	3,732	4,170	4,294	4,504	5,923	6,560	7,129	8,035
Textiles, other than clothing	1,135	1,219	2,499	3,046	2,807	3,225	4,531	4,900	5,768	6,511
Textile yarn and thread	223	128	194	231	260	355	523	534	689	736
Cotton fabrics, woven	173	219	433	607	489	560	878	837	1,006	1,223
Textile fabrics, woven, exc. cotton [5]	499	433	408	572	533	586	702	100	948	869
Twine and cordage	35	123	114	104	82	87	85	79	66	72
Floor coverings	53	88	283	306	277	332	491	549	608	683
Clothing	1,269	2,562	6,430	7,537	8,165	9,583	13,497	14,949	17,288	20,490
Footwear	629	1,275	2,809	3,019	3,437	4,010	5,034	5,695	6,473	7,236
Professional, scientific, photographic, and controlling instruments [6]	356	726	2,654	3,701	3,132	3,528	4,696	3,211	1,598	4,509
Clocks and watches	184	426	1,127	1,275	991	1,058	1,254	1,367	1,536	1,702
Musical instruments, sound recorders and reproducers, and parts [7]	505	781	487	621	729	927	1,288	1,794	2,396	2,527
Printed matter	160	284	613	622	664	739	980	1,116	1,376	1,494
Articles of plastic and rubber, n.e.c	236	429	916	1,006	1,102	1,352	1,861	1,631	2,833	3,494
Toys, games, and sporting goods	427	633	1,836	2,075	2,698	2,412	3,189	4,075	4,520	5,772
Artworks and antiques	162	677	2,672	2,056	2,024	2,017	2,467	2,188	2,091	1,952
Other transactions	**1,274**	**2,518**	**7,225**	**7,296**	**7,708**	**7,742**	**9,828**	**11,141**	**14,914**	**12,374**

[1] Value on a cost, insurance, and freight basis: cost (to the U.S. importer) of commodities at port of exportation plus insurance and freight to U.S. customs port of entry. 1970 is estimated. [2] Canned, cooked, and boned. [3] Prior to 1980, alumina is included under chemicals; thereafter, classified in crude materials. [4] Materials of lime, cement, and clay. [5] Excludes narrow or special fabrics. [6] Beginning 1980, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, photographic, and controlling instruments"; prior to 1980, classified under "Machinery." [7] Beginning 1980, sound recorders included in "Machinery."

Source: U.S. Bureau of the Census. *U.S. General Imports and Imports for Consumption, Schedule A—Commodity by Country,* FT 135, monthly.

No. 1378. Imports for Consumption—Values and Duties: 1960 to 1987

[Imports are on customs value basis. Beginning 1965, includes uranium, thorium, and related products; beginning 1970, includes silver ores and bullion, and beginning 1980, includes trade of Virgin Islands with foreign countries. For basis of dollar values and for area coverage, see text, section 29. See also *Historical Statistics, Colonial Times to 1970,* series U 207-212]

YEAR	VALUES				Duties calculated [1] (mil. dol.)	RATIO OF DUTIES TO VALUES		Duties per capita [2] (dollar)
	Total (mil. dol.)	Free (mil. dol.)	Dutiable (mil. dol.)	Percent free		Total imports (percent)	Dutiable imports (percent)	
1960	14,650	5,780	8,870	39	1,084	7	12	6.00
1965	21,283	7,434	13,849	35	1,643	8	12	8.46
1970	39,756	13,870	25,886	35	2,584	6	10	12.60
1971	45,516	15,286	30,230	34	2,767	6	9	13.32
1972	55,290	18,915	36,375	34	3,124	6	9	14.88
1973	69,024	28,258	40,766	41	3,620	5	8	17.08
1974	100,140	52,052	48,088	52	3,771	4	8	17.83
1975	96,516	31,030	65,486	32	3,780	4	6	17.50
1976	121,121	37,190	83,931	31	4,675	4	6	21.44
1977	147,075	43,633	103,442	30	5,485	4	5	24.91
1978	[3] 172,912	51,827	121,125	30	7,162	4	6	32.17
1979	[3] 205,850	103,278	102,645	50	7,202	3	7	31.99
1980	[3] 244,007	106,992	132,951	45	7,535	3	6	33.09
1981	259,012	76,338	182,674	29	8,893	3	5	38.67
1982	242,340	75,856	166,484	31	8,688	4	5	37.40
1983	256,679	83,397	173,283	32	9,430	4	5	40.21
1984	322,989	102,977	220,012	32	12,042	4	5	50.90
1985	343,553	106,035	237,518	31	13,067	4	6	54.73
1986	368,657	121,742	246,915	33	13,312	4	5	55.10
1987	402,066	132,152	269,914	33	13,923	3	5	57.08

[1] Customs duties (including import excise taxes) calculated on the basis of reports of quantity and value of imports of merchandise entered directly for consumption or withdrawn from bonded customs warehouses. [2] Based on estimated population including Armed Forces abroad as of July 1. [3] Total includes revisions not carried to free and dutiable values.

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States, Quarterly Summary of Foreign Commerce of the United States; Highlights of U.S. Export and Import Trade,* FT 990, monthly; and unpublished data.

No. 1379. Domestic Exports and Imports for Consumption of Merchandise, by Selected SIC-Based Product Category: 1977 to 1987

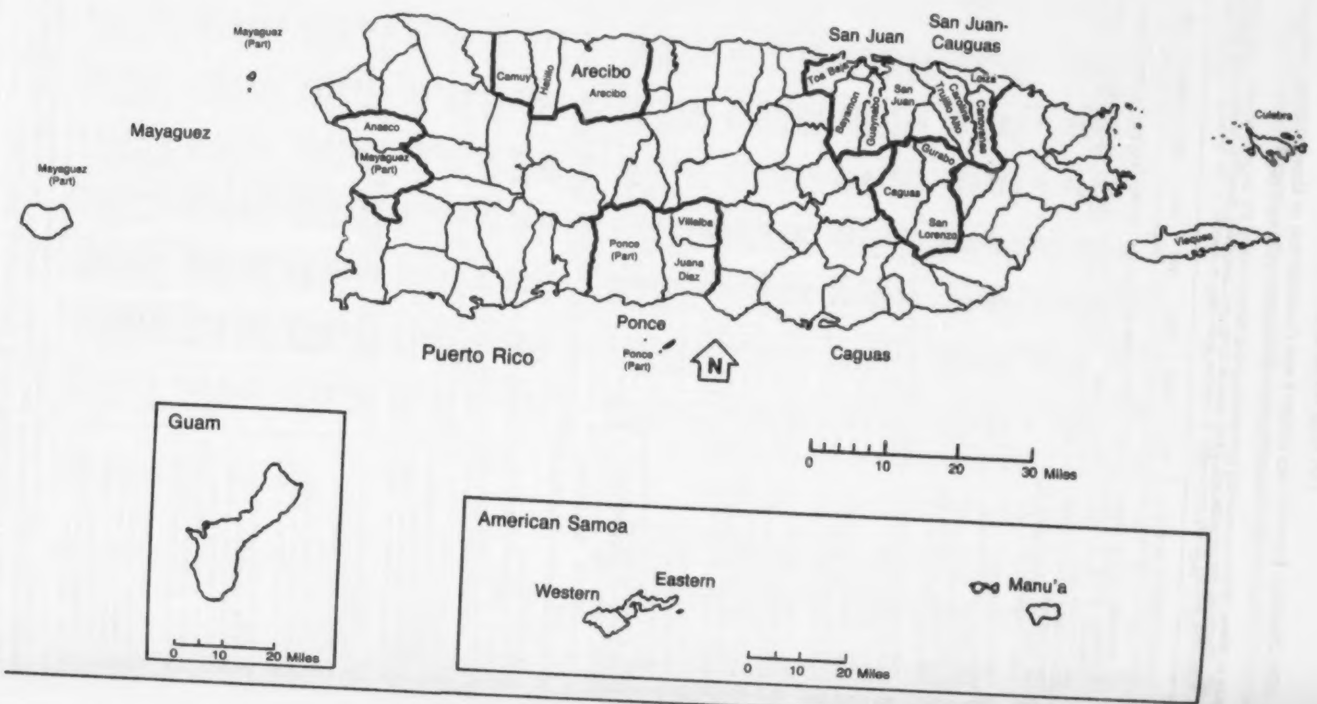
millions of dollars. Includes nonmonetary gold; beginning 1980, includes trade of U.S. Virgin Islands with foreign countries. For 1977–1981, imports are free alongside ship (f.a.s.) value at foreign port exportation; thereafter, customs value basis. Beginning 1980, export data are not strictly comparable to previous years due to changes in the Schedule B export classification]

C[1] de	SIC-BASED PRODUCT CATEGORY	1977	1980	1981	1982	1983	1984	1985	1986	1987
(x)	**Domestic exports, total [2]**	**117,963**	**216,592**	**228,961**	**207,158**	**195,969**	**212,057**	**206,925**	**206,376**	**243,859**
(x)	Agricultural, forestry and fishery products	16,756	30,091	31,463	26,486	25,972	27,557	20,073	15,967	17,717
01	Agricultural products	16,217	29,238	30,527	25,626	25,150	26,770	19,199	15,088	16,678
02	Livestock and livestock products	435	715	792	713	689	646	735	740	855
08	Forestry products	79	110	109	111	99	115	122	120	155
09	Fish, fresh or chilled; and other marine products [4]	24	28	35	36	34	26	18	20	30
(x)	Mineral commodities	4,208	8,338	9,144	8,620	6,176	6,417	6,394	5,599	5,058
10	Metallic ores and concentrates	460	1,320	962	684	498	644	686	590	597
11	Anthracite coal	27	98	103	53	43	42	65	66	57
12	Bituminous coal and lignite [3]	2,628	4,529	5,813	5,938	4,013	4,091	4,400	3,864	3,311
13	Crude petroleum and natural gas	310	978	912	762	492	448	476	306	271
14	Nonmetallic minerals, fuels	783	1,415	1,354	1,183	1,129	1,193	767	774	822
(x)	Manufactured commodities	94,870	171,355	184,225	168,376	159,608	173,284	175,750	179,401	208,438
20	Food and kindred products	7,270	12.124	12,933	11,079	11,022	11,067	10,055	11,250	12,320
21	Tobacco manufactures	637	1,091	1,265	1,298	1,186	1,192	1,268	1,522	2,310
22	Textile mill products	1,407	2,488	2,326	1,766	1,559	1,541	1,462	1,653	1,891
23	Apparel and related products	921	1,620	1,651	1,271	1,114	1,065	1,019	1,213	1,518
24	Lumber and related products	2,153	3,695	3,049	2,863	2,852	2,699	2,668	3,018	3,961
25	Furniture and fixtures	231	476	634	593	522	546	483	466	550
26	Paper and allied products	2,452	4,670	4,755	4,210	4,103	4,322	3,886	4,479	5,676
27	Printing and publishing	682	1,115	1,315	1,358	1,323	1,378	1,250	1,298	1,525
28	Chemicals and allied products	10,654	21,095	21,659	20,021	19,688	22,249	21,797	22,562	26,090
29	Petroleum and coal products	1,328	2,849	3,996	6 402	5,325	5,113	5,433	4,228	4,479
30	Rubber and misc. plastics products	1,548	2,675	2,970	2,631	2,634	2,936	2,765	2,941	3,710
31	Leather and leather products	264	510	519	498	457	526	478	521	688
32	Stone, clay, and glass products	1,159	1,922	2,102	1,860	1,779	1,904	1,792	1,723	2,045
33	Primary metal products	2,912	11,491	8,780	5,463	4,892	5,360	4,747	4,803	5,806
34	Fabricated metal products	4,527	6,927	7,947	7,692	6,732	6,530	5,765	5,542	6,185
35	Machinery, except electrical	21,448	38,084	42,924	38,920	33,190	37,268	37,478	36,358	41,054
36	Electric and electronic equipment	8,820	16,354	18,392	18,144	18,029	20,164	18,908	20,415	24,359
37	Transportation equipment	18,888	29,206	33,188	29,702	30,864	32,173	38,024	37,977	42,371
38	Instruments and related products	4,513	7,690	8,426	8,371	8,271	8,684	8,623	9,237	10,191
39	Misc. manufacturing	1,569	2,888	2,728	2,208	2,165	1,895	1,773	2,080	2,719
(x)	**Imports for consumption, total [2]**	**146,047**	**239,588**	**259,319**	**242,340**	**256,680**	**322,989**	**343,553**	**368,657**	**402,066**
(x)	Agricultural, forestry and fishery products	9,235	10,536	10,216	9,982	10,743	12,301	12,805	14,753	14,401
01	Agricultural products	6,182	6,531	5,962	5,733	5,857	6,936	7,483	8,792	7,444
02	Livestock and livestock products	482	684	666	749	820	977	933	993	999
08	Forestry products	763	984	968	706	782	978	830	796	933
09	Fish, fresh or chilled; and other marine products [4]	1,809	2,337	2,620	2,795	3,285	3,411	3,559	4,183	5,026
(x)	Mineral commodities	38,920	70,717	70,015	53,705	43,573	43,500	39,011	27,780	33,615
10	Metallic ores and concentrates	1,848	2,312	2,297	1,946	1,321	1,636	1,265	1,318	1,130
12	Bituminous coal and lignite [3]	43	30	30	23	43	44	70	80	56
13	Crude petroleum and natural gas	35,375	65,857	65,581	50,115	40,670	39,962	35,672	24,463	30,843
14	Nonmetallic minerals, exc. fuels	1,653	2,517	2,106	1,621	1,539	1,859	1,804	1,919	1,586
(x)	Manufactured commodities	94,187	150,643	171,355	170,406	194,405	257,643	280,069	314,139	341,142
20	Food and kindred products	6,842	10,381	10,693	9,561	10,334	12,010	12,521	12,521	13,180
21	Tobacco manufactures	46	93	200	227	404	88	78	82	91
22	Textile mill products	1,490	2,023	2,466	2,201	2,524	3,469	3,616	4,136	4,697
23	Apparel and related products	4,393	6,543	7,750	8,432	9,898	13,916	15,710	18,171	21,503
24	Lumber and related products	3,323	3,648	3,643	3,059	4,426	4,838	5,109	5,374	5,959
25	Furniture and fixtures	642	1,083	1,228	1,354	1,795	2,456	3,220	3,997	4,575
26	Paper and allied products	3,588	5,322	5,659	5,343	5,681	7,431	7,493	7,983	9,461
27	Printing and publishing	366	628	639	672	795	1,070	1,200	1,488	1,583
28	Chemicals and allied products	4,412	7,003	7,871	7,655	9,366	11,997	12,790	13,281	14,400
29	Petroleum and coal products	8,758	13,420	15,820	15,643	17,395	21,202	18,282	12,836	13,123
30	Rubber and misc. plastics products	2,188	2,743	3,112	2,937	3,405	4,365	4,721	5,381	6,331
31	Leather and leather products	1,881	3,379	3,673	4,496	5,296	6,788	7,724	8,648	9,930
32	Stone, clay, and glass products	1,386	2,282	2,483	2,398	2,862	3,791	4,296	4,910	5,560
33	Primary metal products	10,067	18,027	20,478	16,813	16,359	22,117	20,439	22,580	19,254
34	Fabricated metal products	2,722	4,396	5,028	5,154	5,273	6,804	7,754	8,476	9,562
35	Machinery, except electrical	7,143	14,222	16,281	16,163	18,440	27,621	31,310	38,234	44,808
36	Electric and electronic equipment	9,578	15,451	18,833	20,124	24,626	35,326	37,951	42,734	46,566
37	Transportation equipment	19,232	29,895	33,063	35,683	41,627	54,297	65,944	79,887	84,347
38	Instruments and related products	2,772	4,692	5,636	5,380	6,023	7,729	8,805	10,646	11,547
39	Misc. manufacturing	3,358	5,430	6,596	7,110	7,393	9,714	11,130	12,776	14,666

X Not applicable. [1] Standard Industrial Classification. [2] Includes scrap and waste, used or secondhand merchandise, and anufactured commodities not identified by kind. [3] Includes anthracite. [4] Includes frozen and packaged fish.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990.

Figure 30.1
Selected U.S. Outlying Areas Map.


Mayaguez (Part)
Mayaguez
Mayaguez (Part)
Anasco
Mayaguez (Part)
Camuy
Hatillo
Arecibo
Arecibo
San Juan
San Juan-Cauguas
Toa Baja
Bayamon
Guaynabo
San Juan
Trujillo Alto
Carolina
Canovanas
Loiza
Gurabo
Caguas
San Lorenzo
Culebra
Vieques
Villalba
Ponce (Part)
Juana Diaz
Ponce
Ponce (Part)
N
Puerto Rico
Caguas
0 10 20 30 Miles
Guam
0 10 20 Miles
American Samoa
Western
Eastern
Manu'a
0 10 20 Miles

Section 30

Outlying Areas

This section presents summary economic and social statistics for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Northern Mariana Islands.

Primary sources are the decennial censuses of population and housing, and the censuses of agriculture, business, manufactures, and construction (taken every five years) conducted by the Bureau of the Census; the annual *Vital Statistics of the United States*, issued by the National Center for Health Statistics; and the annual *Income and Product* of the Puerto Rico Planning Board, San Juan.

Jurisdiction.—The United States gained jurisdiction over these areas as follows:

> The islands of *Puerto Rico* and *Guam*, surrendered by Spain to the United States in October 1898, were ceded to the United States by the Treaty of Paris, ratified in 1899. Puerto Rico became a Commonwealth on July 25, 1952, thereby achieving a high degree of local autonomy under its own constitution. The *Virgin Islands*, comprising 50 islands and cays, was purchased by the United States from Denmark in 1917. *American Samoa*, a group of 7 islands, was acquired by the United States in accordance with a convention among the United States, Great Britain, and Germany, ratified in 1900 (Swains Island was annexed in 1925).
>
> By an agreement approved by the Security Council and the United States the Northern Mariana Islands, previously under Japanese mandate, was administered by the United States between 1947 and 1986 under the United Nations trusteeship system. The Northern Mariana Islands became a Commonwealth in 1986.

For a brief summary of U.S. territorial development, see table 332.

Censuses.—Because characteristics of the outlying areas differ, the presentation of census data for them is not uniform. The 1960 Census of Population covered all of the places listed above except the Northern Mariana Islands (their census was conducted in April 1958 by the Office of the High Commissioner), while the 1960 Census of Housing also excluded American Samoa. The 1970 and 1980 Censuses of Population and Housing covered all five areas. The 1959, 1969, and 1978 Censuses of Agriculture covered Puerto Rico, American Samoa, Guam, and the Virgin Islands; the 1964, 1974, and 1982 censuses covered the same areas except American Samoa; and the 1978 census included the Northern Mariana Islands. Beginning in 1967, Congress authorized the economic censuses, to be taken at 5-year intervals, for years ending in 2 and 7. Prior economic censuses were conducted in Puerto Rico for 1954, 1958, and 1963, and in Guam and the Virgin Islands for 1958 and 1963. In 1967, the census of construction industries was added for the first time in Puerto Rico; in 1972 Virgin Islands and Guam were covered. Beginning in 1982, the economic censuses covered the Northern Mariana Islands.

Information in other sections.—In addition to the statistics presented in this section, other data are included as integral parts of many tables showing distribution by States in various sections of the *Abstract*. See "Outlying areas of the United States" in the index. For definition and explanation of terms used, see section 1, Population; section 4, Education; section 23, Agriculture; section 26, Construction and Housing; section 27, Manufactures; and section 28, Domestic Trade and Services.

NO. **1380.** ESTIMATED RESIDENT POPULATION, BY AREA: 1950 TO 1987

[**In thousands.** As of July 1. Includes estimates of Armed Forces stationed in area]

AREA	1950	1960	1970	1975	1980	1985	1986	1987
Puerto Rico	2,218	2,362	2,716	2,933	3,206	3,282	3,273	3,292
American Samoa	19	20	27	30	32	36	37	38
Guam	60	66	86	102	107	124	127	130
Virgin Islands	27	32	63	94	98	111	110	106
Northern Mariana Islands [1]	(NA)	(NA)	12	15	17	19	20	20

NA Not available. [1] Data consistent with apportionment census of September 1973 which showed a total population of 14,333 for the Marianas.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 80, 336, 943, and 1,030.

NO. 1381. ESTIMATES OF COMPONENTS OF POPULATION CHANGE, BY AREA: 1970 TO 1980 AND 1980 TO 1987

[**In thousands, except percent.** Resident population, including Armed Forces stationed in area. See table 1382 for population totals. Minus sign (−) indicates decrease. For explanation of methodology, see source]

AREA	APRIL 1, 1970 TO APRIL 1, 1980					APRIL 1, 1980 TO JULY 1, 1987				
	Net change		Births	Deaths	Net migration [1]	Net change		Births	Deaths	Net migration [1]
	Number	Percent				Number	Percent			
Puerto Rico	484.5	17.9	744.0	193.7	−65.9	95.0	3.0	482.0	160.0	−227.0
American Samoa	5.1	18.9	10.6	1.4	−4.1	6.1	19.0	9.6	1.1	−2.4
Guam	21.0	24.7	30.7	4.1	−5.7	24.4	23.1	22.5	3.2	5.2
Virgin Islands	34.1	54.6	26.6	5.0	12.5	9.5	9.8	17.7	3.8	−4.4
Northern Mariana Islands [2]	4.6	37.5	5.3	.9	(3)	3.5	21.1	4.9	.8	(3)

[1] Includes error of closure (the amount necessary to make the components of change add to the net change between censuses). [2] See footnote 1, table 1380. [3] Migration is derived as a residual. Because part of the residual migration in these areas reflects under-registration of vital statistics, migration figures are not shown.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 943 and 1030.

NO. 1382. POPULATION AND MEDIAN AGE, BY AREA AND SEX: 1960 TO 1980

[As of **April 1**. For definition of median, see Guide to Tabular Presentation]

AREA AND SEX	POPULATION (1,000)			MEDIAN AGE (years)		
	1960	1970	1980	1960	1970	1980
Puerto Rico	2,349.5	2,712.0	3,196.5	18.5	21.6	24.6
Male	1,162.8	1,329.9	1,556.7	18.0	20.9	23.7
Female	1,186.8	1,382.2	1,639.8	18.9	22.2	25.5
American Samoa	20.1	27.2	32.3	15.2	16.1	18.8
Male	10.2	13.7	16.4	14.6	16.1	18.4
Female	9.9	13.6	15.9	15.8	16.1	19.2
Guam	67.0	85.0	106.0	20.8	20.4	22.3
Male	39.2	47.3	55.3	22.9	21.6	22.4
Female	27.8	37.7	50.7	16.5	18.2	22.1
Virgin Islands	32.1	62.5	96.6	20.7	23.0	22.5
Male	15.9	31.3	46.2	20.3	23.1	21.1
Female	16.2	31.3	50.4	21.2	23.0	23.6
No. Mariana Is	(NA)	9.6	16.8	(NA)	15.2	19.7
Male	(NA)	4.9	8.8	(NA)	15.4	20.9
Female	(NA)	4.7	8.0	(NA)	15.0	18.5

NA Not available.

Source: U.S. Bureau of the Census, *Census of Population: 1960*, vol. I; *1970, Vol. I, Characteristics of the Population*, parts 53-58; and *1980, Vol. 1, Chapter B, Characteristics of the Population*, parts 53–57a.

NO. 1383. POPULATION, BY PLACE OF BIRTH AND YEAR OF IMMIGRATION—AREA: 1980

[As of **April 1**]

ITEM	Guam	Virgin Islands	American Samoa	Northern Mariana Islands
Total resident population [1]	**105,979**	**96,569**	**32,297**	**16,780**
Born in this area	52,113	43,234	18,586	11,993
Percent of total	49.2	44.8	57.5	71.5
Born in the United States	22,950	11,964	2,189	553
Born in other outlying areas	3,552	4,993	24	2,074
Born in Asia	22,648	549	268	1,815
Born outside this area	50,595	[2] 30,731	13,442	4,623
Immigrated:				
1975–1980	32,159	7,060	7,168	2,916
1970–1974	8,782	7,054	2,715	1,027
1960–1969	6,342	13,566	2,405	398
Before 1960	3,312	3,031	1,154	282

[1] Includes persons born elsewhere and place of birth not reported. [2] Excludes 4,993 persons born in Puerto Rico; 11,964 born in the United States; and 282 born abroad of American parents.

Source: U.S. Bureau of the Census, *1980 Census of Population, Vol. 1, Chapters C and D*, parts 54–57a.

No. 1384. Land Area and Population Characteristics, by Area: 1980

[As of **April 1**. See also table 332, for gross area (land and water). For definition of median, see Guide to Tabular Presentation]

ITEM	Puerto Rico	Guam	Virgin Islands	American Samoa	Northern Mariana Islands
nd area (sq. miles)	3,459	209	132	77	184
tal resident population	**3,196,520**	**105,979**	**96,569**	**32,297**	**16,780**
Per square mile	924.1	507.1	731.6	419.4	91.2
Percent increase, 1970–1980	17.9	24.7	54.6	18.9	74.1
Urban	2,134,365	41,875	37,730	5,660	2,678
Rural	1,062,155	64,104	58,839	26,637	14,102
Male	1,556,727	55,321	46,204	16,384	8,817
Female	1,639,793	50,658	50,365	15,913	7,963
Males per 100 females	94.9	109.2	91.7	103.0	110.7
Median age (years)	24.6	22.3	22.5	18.8	19.7
Male (years)	23.7	22.4	21.1	18.4	20.9
Female (years)	25.5	22.1	23.6	19.2	18.5
ersons 25 years old and over	1,577,682	46,906	44,986	12,184	6,760
School years completed:					
Elementary: 0–8 years	753,742	9,973	15,997	4,360	2,886
High school:					
1–3 years	200,269	6,157	6,475	2,697	851
4 years or more	332,770	14,653	11,543	3,108	1,543
College	290,901	16,123	10,971	2,019	1,480
arital status, persons 15 years old and over	**2,187,246**	**69,007**	**61,791**	**19,090**	**9,975**
Single	613,024	20,675	22,376	7,406	3,462
Married [1]	1,320,193	44,041	32,204	10,571	5,977
Widowed or divorced	254,029	4,291	7,211	1,113	536
ouseholds and families:					
Population in households	3,176,511	101,000	95,949	31,963	16,234
Number of households	636,565	24,834	28,329	4,513	3,028
Population per household	4.99	4.07	3.39	7.08	5.36
Families	753,936	21,780	20,855	4,287	2,652
Husband-wife families	580,326	18,473	13,612	3,475	2,113

[1] Includes consensually married couples and separated couples.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, Chapters C and D, pts. 53–57a and unpublished data.

No. 1385. Vital Statistics—Specified Areas: 1960 to 1986

[Births, deaths, and infant deaths by place of residence; marriages and divorces by place of occurrence. Rates for 1960, 1970, and 1980 based on population enumerated as of **April 1**; for all other years, on population estimated as of **July 1**]

AREA AND YEAR	BIRTHS		DEATHS		INFANT DEATHS		MARRIAGES		DIVORCES [3]	
	Number	Rate [1]	Number	Rate [1]	Number	Rate [2]	Number	Rate [1]	Number	Rate [1]
Puerto Rico:										
1960	76,914	32.5	15,791	6.7	3,307	43.3	[4] 20,212	[4] 8.6	5,218	2.2
1970	67,628	24.8	18,080	6.7	1,930	28.6	29,905	11.0	9,688	3.6
1975	69,702	23.8	17,805	6.1	1,335	19.2	32,731	11.2	12,985	4.4
1980	72,986	22.8	20,413	6.4	1,351	18.5	33,167	10.4	15,276	4.8
1981	71,300	21.9	21,065	6.5	1,318	18.5	31,892	9.8	14,247	4.4
1982	69,256	21.2	21,427	6.6	1,187	17.1	30,799	9.4	14,084	4.3
1983	65,659	20.1	21,377	6.5	1,131	17.2	29,487	9.0	13,164	4.0
1984	63,247	19.3	21,618	6.6	987	15.6	29,499	9.0	13,698	4.2
1985	63,547	19.4	23,071	7.0	944	14.9	30,355	9.2	14,686	4.5
1986	63,479	19.4	23,182	7.1	869	13.7	(NA)	(NA)	(NA)	(NA)
Guam:										
1965	2,523	32.8	336	4.4	82	32.5	471	6.2	53	.7
1970	2,842	28.8	355	5.8	62	21.6	874	9.9	84	1.0
1975	3,156	30.9	427	4.2	65	20.6	1,861	18.2	196	1.9
1980	2,945	27.8	393	3.7	43	14.6	(NA)	(NA)	(NA)	(NA)
1981	2,949	26.8	385	3.5	30	10.2	(NA)	(NA)	(NA)	(NA)
1982	2,954	26.7	428	3.9	29	9.8	(NA)	(NA)	(NA)	(NA)
1983	3,152	27.1	442	3.8	29	9.2	(NA)	(NA)	(NA)	(NA)
1984	2,994	25.0	409	3.4	26	8.7	(NA)	(NA)	(NA)	(NA)
1985	3,049	24.6	415	3.4	35	11.5	(NA)	(NA)	(NA)	(NA)
1986	3,276	25.8	429	3.4	29	8.9	(NA)	(NA)	(NA)	(NA)
Virgin Islands:										
1960	1,180	36.8	332	10.3	42	35.6	359	11.1	135	4.2
1970	2,898	46.8	489	7.9	72	24.6	1,149	18.4	270	4.3
1975	2,372	25.1	477	5.0	62	26.1	1,064	11.3	353	3.7
1980	2,504	25.9	504	5.2	61	24.4	1,112	11.5	478	4.9
1981	2,442	24.6	547	5.5	55	22.5	1,092	11.0	408	4.1
1982	2,509	24.7	498	4.9	49	19.5	1,311	12.9	335	3.3
1983	2,584	24.9	484	4.7	54	20.9	1,341	12.9	313	3.0
1984	2,432	22.6	471	4.4	55	22.6	1,407	13.1	352	3.3
1985	2,375	21.4	506	4.6	42	17.7	1,448	13.1	363	3.3
1986	2,257	20.6	476	4.3	28	12.4	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Per 1,000 population. [2] Per 1,000 live births. [3] Includes reported annulments.

[4] Data are incomplete.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 1386. SCHOOL ENROLLMENT AND EMPLOYMENT STATUS, 1980, AND PERCENT DISTRIBUTION BY FAMILY INCOME CLASS, 1979, BY AREA

ITEM	Puerto Rico [1]	Guam	Virgin Islands	American Samoa	Northern Mariana Islands
SCHOOL ENROLLMENT, 1980					
Total enrolled, 3 years old and over	**971,592**	**36,002**	**34,934**	**12,842**	**5,479**
Elementary (grades 1-8), total [2]	**616,438**	**23,303**	**25,642**	**8,695**	**4,102**
Public	542,955	20,061	20,576	7,452	3,576
Private	73,483	3,242	5,066	1,243	526
High school (4 years), total	**220,477**	**8,562**	**7,275**	**3,224**	**1,281**
Public	200,118	7,580	5,856	2,759	1,149
Private	20,359	982	1,419	465	132
College, total	**134,677**	**4,137**	**2,017**	**923**	**96**
Public	103,650	3,888	1,897	831	80
EMPLOYMENT STATUS, 1980					
Total persons, 16 years old and over	**2,114,673**	**66,773**	**59,310**	**18,319**	**9,599**
In labor force	869,856	44,484	38,082	8,329	6,102
Percent of total	41.1	66.6	64.2	45.5	63.6
Armed Forces	4,137	10,125	84	21	13
Civilian labor force	865,719	34,359	37,998	8,308	6,089
Employed	733,922	32,692	35,652	8,106	5,941
Unemployed	131,797	1,667	2,346	202	148
Percent of civilian labor force	15.2	4.9	6.2	2.4	2.4
Not in labor force	1,244,817	22,289	21,228	9,990	3,497
FAMILY INCOME, 1979					
Families, 1980	**757,645**	**21,780**	**20,855**	**4,287**	**2,652**
Percent distribution, by income class	100.0	100.0	100.0	100.0	100.0
Less than $1,000	11.3	2.1	3.2	6.1	4.4
$1,000-$2,499	12.4	1.7	3.4	4.3	5.9
$2,500-$4,999	19.7	3.7	7.8	14.2	17.8
$5,000-$7,499	17.5	6.6	14.3	16.8	16.1
$7,500-$9,999	10.9	9.8	12.4	12.9	13.7
$10,000-$14,999	13.3	21.1	19.8	18.4	16.9
$15,000-$24,999	10.3	28.4	22.3	16.7	14.7
$25,000 or more	4.6	26.6	16.7	10.7	10.4
Median income [3] **(dol.)**	**5,923**	**16,203**	**11,914**	**9,615**	[4] **8,800**

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[1] Data based on sample and subject to sampling variability, see Appendix III. [2] Includes nursery and kindergarten. [3] For definition of median, see Guide to Tabular Presentation. [4] Excludes those with no income.

Source: U.S. Bureau of the Census, 1980 Census of Population, Vol. 1, Chapters C and D. pts 53-57a and unpublished data.

NO. 1387. FEDERAL DIRECT PAYMENTS FOR INDIVIDUALS BY SELECTED PROGRAM AND OUTLYING AREA: 1986 AND 1987

[In thousands of dollars. For fiscal years ending September 30]

PROGRAM PAYMENTS	1986				1987			
	Puerto Rico	Guam	Virgin Islands	American Samoa	Puerto Rico	Guam	Virgin Islands	American Samoa
Total	**2,675,525**	**66,134**	**95,983**	**9,656**	**2,847,599**	**70,153**	**79,526**	**10,669**
Pell Grants	282,888	756	579	172	277,214	2,081	626	246
Medicare: Hospital Insurance	134,211	1,632	3,573	-	136,933	1,665	3,645	-
Supplemental medical insurance	119,503	1,270	2,123	-	141,778	1,507	2,518	-
Social Security: Disability insurance	493,697	1,328	3,815	1,258	507,087	1,559	4,386	1,419
Retirement insurance	842,983	7,318	25,442	2,989	883,602	8,005	27,078	3,211
Survivors insurance	347,922	4,605	8,316	2,679	367,637	5,014	8,843	2,783
Veterans: Pension and disability	226,162	2,744	819	1,332	247,498	2,971	736	1,184
Education assistance	4,227	447	16	297	4,773	381	30	178
Federal retirement and disability	129,597	25,555	7,478	833	141,885	26,914	7,960	1,581
Food Stamps	[1] 817,786	16,964	21,642	-	[1] 851,094	14,982	19,376	-
Other	94,335	3,515	22,178	96	139,192	5,074	4,328	67

- Represents or rounds to zero. [1] Food stamp program in Puerto Rico was replaced by the Nutritional Assistance Grant Program. Figures shown represent grants to State and local governments, not included in totals.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

No. 1388. Puerto Rico—Summary: 1960 to 1987

ITEM	Unit	1960	1970	1975	1980	1982	1983	1984	1985	1986	1987
POPULATION											
Total [1]	1,000	2,360	2,722	2,939	3,197	3,262	3,265	3,269	3,282	3,273	3,292
Persons per family	Number	4.8	4.6	4.4	4.3	4.2	4.2	4.1	4.1	4.1	4.1
EDUCATION [2]											
Enrollment, total	1,000	737.6	925.8	977.9	1,028.2	1,044.3	1,064.6	1,069.5	1,055.6	1,075.0	(NA)
Public day school	1,000	573.4	672.3	704.1	716.1	711.7	708.7	701.9	692.9	686.9	679.5
Other public	1,000	76.4	103.9	83.7	85.6	95.6	[3] 96.2	[3] 104.7	[3] 997	100.9	(NA)
Private schools	1,000	63.3	92.3	95.7	99.4	102.4	107.8	102.7	107.3	130.4	121.3
College and university	1,000	24.5	57.3	94.4	127.0	134.5	151.9	160.2	155.7	156.8	158.6
Expenses	Mil. dol.	87.4	288.8	427.7	818.1	988.9	1,019.5	1,085.7	1,135.8	1,168.8	1,227.5
As percent of GNP	Percent	5.2	6.2	6.0	7.4	7.8	7.9	7.7	7.7	7.4	7.2
Public	Mil. dol.	74.1	254.6	334.8	612.2	728.6	737.9	782.2	810.2	814.4	847.9
Private	Mil. dol.	13.3	34.2	92.9	205.9	260.3	281.6	303.5	325.6	354.4	379.6
LABOR FORCE [4]											
Total [5]	1,000	625	765	825	907	918	919	952	964	977	1,013
Employed [6]	1,000	542	686	699	753	719	703	743	758	777	834
Agriculture [7]	1,000	125	68	48	40	35	37	40	38	40	35
Manufacturing	1,000	81	132	130	143	134	131	142	138	140	152
Trade	1,000	97	128	134	138	141	136	145	147	149	159
Government	1,000	62	106	143	184	171	170	177	180	180	197
Unemployed	1,000	82	79	125	154	199	216	209	206	200	179
Unemployment rate [8]	Rate	13	10	15	17	22	23	22	21	21	18
Compensation of employees	Mil. dol.	928.9	2,800.2	4,838.2	7,217.6	7,972.3	8,060.4	8,782.2	9,250.7	9,772.5	10,565.2
Avg. compensation	Dollar	1,711	4,082	6,922	9,584	11,088	11,466	11,820	12,204	12,577	12,668
Salary and wages	Mil. dol.	872.0	2,554.5	4,320.9	6,341.0	6,984.2	7,055.8	7,679.9	8,066.0	8,485.5	9,217.3
INCOME [9]											
Personal income:											
Current dollars	Mil. dol.	1,374	3,753	6,861	10,932	12,688	12,695	13,537	14,330	15,127	15,980
Constant (1954) dollars	Mil. dol.	1,240	2,654	3,381	3,947	3,934	3,827	4,035	4,163	4,338	4,531
Disposable personal income:											
Current dollars	Mil. dol.	1,334	3,565	6,480	10,333	11,969	11,936	12,775	13,502	14,069	14,935
Constant (1954) dollars	Mil. dol.	1,204	2,521	3,194	3,730	3,711	3,598	3,808	3,923	4,035	4,235
Average family income:											
Current dollars	Dollar	2,818	6,366	10,358	14,762	16,367	16,339	16,982	17,933	18,913	19,947
Constant (1954) dollars	Dollar	2,544	4,503	5,104	5,315	5,078	4,927	5,064	5,211	5,424	5,654
BANKING [10]											
Assets	Mil. dol.	705	3,322	6,642	10,223	15,605	18,435	19,968	21,209	22,534	26,101
Debits	Mil. dol.	835	2,548	6,930	13,399	18,701	24,098	(NA)	(NA)	(NA)	(NA)
Personal checking	Mil. dol.	(NA)	1,999	5,714	11,206	16,640	21,917	(NA)	(NA)	(NA)	(NA)
Personal savings	Mil. dol.	(NA)	94	166	423	800	750	(NA)	(NA)	(NA)	(NA)
Government accounts	Mil. dol.	(NA)	454	1,049	1,770	1,261	1,422	(NA)	(NA)	(NA)	(NA)
TOURISM [9]											
Number of visitors	1,000	347.4	1,088.4	1,329.1	1,627.3	1,563.7	1,529.8	1,496.4	1,544.9	1,572.6	1,871.3
Visitor expenditures	Mil. dol.	58.1	235.4	372.7	615.0	699.2	690.8	681.2	722.8	745.7	893.0
Average per visitor	Dollar	167	216	280	378	447	452	455	466	474	477
Net income from tourism	Mil. dol.	19.4	89.8	117.2	199.3	216.0	219.9	220.4	(NA)	(NA)	(NA)

NA Not available. [1] 1960, 1970, and 1980 enumerated as of April 1; all other years estimated as of July 1. [2] Enrollment for the first school month. Expenses for school year ending in year shown. [3] Includes adult education. [4] Annual average of monthly figures. For fiscal years. [5] Beginning 1980, for population 16 years old and over; 1960–1975, for population 14 years and over. [6] Includes other employment, not shown separately. [7] Includes forestry and fisheries. [8] Percent unemployed of the labor force. [9] For fiscal years. [10] As of June 30.

Source: Puerto Rico Planning Board, San Juan, PR, *Income and Product,* annual, and *Socioeconomics Statistics,* annual.

No. 1389. Puerto Rico—Employment Status, 1960 to 1987, and by Sex, 1987

[**In thousands of persons 14 years old and over except, beginning 1980, 16 years old and over.** Annual averages for calendar years of the civilian noninstitutional population]

EMPLOYMENT STATUS	1960	1970	1975	1980	1982	1983	1984	1985	1986	1987		
										Total	Male	Female
Total	**1,368**	**1,743**	**1,983**	**2,116**	**2,216**	**2,251**	**2,273**	**2,293**	**2,303**	**2,310**	**1,081**	**1,229**
In the labor force	635	777	826	916	912	942	958	969	998	1,019	645	374
Employed	558	693	676	758	704	722	759	758	809	848	520	328
Working	525	657	630	712	664	683	719	710	768	804	498	306
35 hours or more	[1] 406	569	460	535	470	498	521	508	579	570	363	210
Less than 35 hours	[2] 119	88	175	177	194	185	198	203	189	235	136	96
Not working	33	35	45	48	40	39	40	47	41	44	22	22
Unemployed	77	84	150	158	208	220	198	211	188	171	125	46
Percent	12.1	10.7	18.1	17.0	22.8	23.4	20.7	21.8	18.9	16.8	19.4	12.4
Not in labor force	734	966	1,157	1,200	1,303	1,309	1,315	1,324	1,305	1,291	436	855

[1] 30 hours or more. [2] Less than 30 hours.

Source: Puerto Rico Dept. of Labor and Human Resources, Bureau of Labor Statistics, San Juan, PR.

NO. 1390. PUERTO RICO—GROSS PRODUCT BY MAJOR INDUSTRIAL SECTOR: 1971 TO 1987

[In millions of dollars. For fiscal years ending June 30]

ITEM	1971	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Gross product	**5,252**	**7,184**	**10,061**	**11,074**	**12,190**	**12,627**	**12,933**	**14,010**	**14,805**	**15,829**	**17,029**
Agriculture	177	271	355	394	377	395	396	343	346	338	402
Manufacturing	1,334	2,371	4,471	5,323	5,786	6,017	6,483	7,266	7,758	8,299	9,532
Contract construction and mining [1]	485	462	359	370	410	355	322	306	337	327	408
Transportation [2]	482	767	1,098	1,235	1,303	1,541	1,467	1,660	1,595	1,766	1,877
Trade	987	1,377	2,124	2,277	2,469	2,471	2,417	2,785	2,933	3,111	3,484
Finance, insurance, real estate	674	975	1,452	1,599	1,711	1,947	2,197	2,363	2,485	2,743	3,011
Services	552	805	1,176	1,316	1,443	1,542	1,620	1,761	1,853	1,991	2,178
Government	736	1,334	1,708	1,896	2,051	1,952	2,029	2,173	2,345	2,444	2,678
Commonwealth	656	1,145	1,406	1,573	1,733	1,675	1,723	1,849	1,995	2,077	2,291
Municipalities	80	189	301	323	318	277	306	324	350	367	387
Rest of the world	−407	−1,043	−2,725	−3,406	−3,633	−3,788	−4,055	−4,612	−4,878	−5,441	−6,677
Statistical discrepancy	234	−135	44	70	272	195	57	−35	33	252	157

[1] Mining includes only quarries. [2] Includes other public utilities.

Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1986–87.*

NO. 1391. PUERTO RICO—NET INCOME, BY INDUSTRIAL ORIGIN: 1970 TO 1987

[In millions of dollars. For fiscal years ending June 30]

INDUSTRY	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
All industries	**3,668**	**6,094**	**9,213**	**9,947**	**10,350**	**10,640**	**11,534**	**12,149**	**12,961**	**13,993**
Agriculture	178	315	466	430	460	422	395	388	385	452
Manufacturing	958	1,987	4,809	5,220	5,406	5,735	6,485	6,984	7,631	8,785
Chemicals and allied products	109	561	1,583	1,786	1,908	2,269	2,341	2,686	2,958	3,737
Metal products and machinery	192	484	1,454	1,721	1,828	1,753	2,164	2,294	2,544	2,867
Food and related products	161	285	549	645	682	565	754	834	896	1,083
Apparel and related products	172	206	361	374	375	408	452	406	410	421
Other manufacturing	324	452	863	694	613	740	774	764	823	677
Mining	7	5	9	9	9	} 297	293	320	308	383
Contract construction	338	406	339	377	320					
Transp. and other public utilities [1]	342	629	1,003	1,063	1,213	1,192	1,263	1,197	1,351	1,492
Trade	631	970	1,621	1,743	1,770	1,748	2,011	2,097	2,237	2,405
Finance, insurance, and real estate	504	803	1,346	1,432	1,663	1,872	1,997	2,071	2,298	2,567
Services	448	686	1,130	1,255	1,344	1,400	1,531	1,625	1,749	1,909
Commonwealth Government [2]	610	1,334	1,896	2,051	1,952	2,029	2,173	2,345	2,444	2,678
Rest of the world	−347	−1,043	−3,406	−3,633	−3,788	−4,055	−4,612	−4,878	−5,441	−6,677

[1] Includes radio and television. [2] Includes public enterprises, not elsewhere classified.

Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1986–87.*

NO. 1392. PUERTO RICO—TRANSFERS BETWEEN FEDERAL AND STATE GOVERNMENTS AND OTHER NONRESIDENTS: 1971 TO 1987

[In million of dollars. For fiscal years ending June 30]

ITEM	1971	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total receipts	**400**	**1,229**	**2,362**	**2,574**	**2,767**	**3,157**	**3,221**	**3,402**	**3,540**	**3,789**	**3,845**
Federal government	378	1,184	2,247	2,447	2,681	3,003	3,023	3,173	3,357	3,625	3,638
Transfers to individuals [1]	355	1,141	2,181	2,369	2,608	2,915	2,933	3,090	3,263	3,553	3,540
Veterans benefits	83	178	202	223	231	274	269	303	324	336	342
Medicare	24	41	92	118	137	163	184	186	220	385	273
Old age, disability, survivors	227	468	895	1,041	1,191	1,348	1,423	1,528	1,581	1,658	1,743
Nutritional assistance	(x)	388	821	812	860	896	775	765	780	791	804
Industry subsidies	19	31	47	56	48	58	56	55	61	37	62
Private institutions	4	12	19	21	25	29	34	28	33	35	37
U.S. State governments	8	19	14	13	16	15	15	16	17	15	15
Other nonresidents	15	25	100	114	90	140	183	213	166	149	192
Total payments	**270**	**597**	**792**	**848**	**924**	**961**	**986**	**1,113**	**1,180**	**1,273**	**1,339**
Federal government [1]	270	592	786	841	914	950	973	1,087	1,145	1,255	1,326
Old age, disability, survivors	199	364	517	649	689	700	708	794	846	896	986
Medicare	6	10	18	21	25	31	38	45	44	47	53
Unemployment insurance	40	79	119	129	146	165	167	183	188	240	213
Other nonresidents	(z)	5	7	7	9	10	13	26	35	18	13
Net balance	130	631	1,570	1,726	1,864	2,196	2,236	2,289	2,360	2,517	2,507

X Not applicable. Z Less than $500,000. [1] Includes other receipts and payments, not shown separately.

Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1986–87.*

No. 1393. Puerto Rico—Employees and Payroll, by Industry: 1980 to 1986

[Excludes employees of establishments totally exempt from the Federal Insurance Contributions Act: government workers, railroad employment jointly covered by Social Security and railroad retirement programs, self-employed persons, domestic service, agriculture production employees, and employees on oceanborne vessels or in foreign countries]

SIC [1] code	INDUSTRY	EMPLOYEES [2]				ANNUAL PAYROLL (mil. dol.)			
		1980	1984	1985	1986	1980	1984	1985	1986
	Total [3]	**438,675**	**434,442**	**442,029**	**454,264**	**3,741.9**	**4,514.1**	**4,880.6**	**5,322.1**
A	Agricultural services, forestry, fisheries	532	460	566	434	5.7	5.3	4.1	3.6
07	Agricultural services	378	396	486	352	2.4	3.4	2.4	2.1
B	Mining	800	496	655	564	8.6	6.3	7.3	7.1
14	Nonmetallic minerals, except fuels	656	420	485	420	5.6	3.8	4.6	4.5
C	Contract construction [3]	36,487	23,872	23,708	22,454	281.5	214.2	214.7	220.4
15	General contractors and operative builders	21,605	13,878	13,887	13,235	159.0	120.4	123.2	126.5
17	Special trade contractors	9,679	7,072	6,778	6,669	74.5	65.7	64.8	63.7
D	Manufacturing [3]	154,621	144,430	141,350	140,782	1,401.7	1,713.0	1,792.4	1,897.1
20	Food and kindred products	19,357	17,856	19,811	18,364	179.4	212.7	234.8	258.0
23	Apparel and other textile products	35,843	31,938	27,516	29,474	215.2	222.2	208.2	242.0
28	Chemical and allied products	16,082	18,940	19,637	19,537	217.0	342.9	396.1	407.0
35	Machinery, except electrical	6,766	9,912	8,205	7,263	72.9	135.7	121.0	110.5
36	Electric and electronic equipment	18,525	21,535	21,883	21,332	182.2	268.7	272.3	297.1
E	Transportation and other public utilities [3]	19,876	19,489	20,787	20,366	227.0	283.3	339.4	365.0
42	Trucking and warehousing	2,563	2,057	1,890	1,906	21.8	19.3	19.2	19.3
47	Transportation services	1,711	1,242	1,569	1,436	13.5	14.5	19.3	16.8
F	Wholesale trade [3]	28,764	28,014	28,346	29,640	331.2	392.8	395.8	444.0
50	Wholesale trade-durable goods	13,465	12,146	11,923	12,268	157.2	174.6	173.8	188.1
51	Wholesale trade-nondurable goods	15,013	15,349	15,957	16,830	169.3	207.1	212.6	243.4
G	Retail trade [3]	79,169	79,966	80,249	82,665	531.8	607.1	652.3	680.7
54	Food stores	16,367	15,839	16,180	15,994	96.4	103.2	110.6	115.7
55	Automotive dealers and service stations	9,187	7,492	7,598	8,014	68.2	65.5	75.2	78.9
56	Apparel and accessory stores	9,998	9,886	10,238	10,884	65.6	74.2	76.9	82.4
58	Eating and drinking places	11,034	14,682	13,428	14,914	64.5	87.7	94.6	93.3
59	Miscellaneous retail	9,146	11,090	11,052	10,906	58.0	82.0	89.4	97.9
H	Finance, insurance, and real estate [3]	25,135	29,152	28,065	30,540	250.2	373.4	379.3	458.8
60	Banking	8,017	11,052	9,474	10,361	81.5	151.2	124.1	171.9
61	Credit agencies other than banks	6,847	7,353	7,239	8,308	63.2	78.5	92.6	108.4
65	Real estate	3,755	3,340	4,433	4,182	25.7	29.7	38.6	39.3
I	Services [3]	79,573	86,763	88,553	94,090	601.8	740.1	821.7	945.6
72	Personal services	3,199	2,603	2,655	2,780	18.2	18.5	20.6	21.6
73	Business services	15,268	18,106	18,243	20,186	120.9	164.1	167.5	202.1
75	Auto repair, services, and garages	2,610	2,351	2,298	2,328	18.1	20.6	24.3	24.1
80	Health services	18,063	20,920	22,252	22,444	129.5	167.2	200.1	208.1
81	Legal services	2,328	2,677	2,711	2,722	27.3	28.5	32.3	36.0

[1] Standard Industrial Classification (SIC) code; see text, section 13. [2] For the pay period including March 12.
[3] Includes other nonclassifiable establishments, not shown separately.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 1394. Puerto Rico—Manufactures, by Industry: 1977 and 1982

[**Money figures in millions of dollars.** For employer establishments only]

INDUSTRY (Based on 1972 Standard Industrial Classification System) [1]	1977			1982						
	Establishments	All employees [2]	Value added by manufacture [3]	Establishments	All employees		Production workers [4]		Value added by manufacture [3]	Value of shipments [5]
					Number [2]	Payroll	Number [2]	Wages		
All industries	**2,297**	**146,861**	**4,097.2**	**2,285**	**143,218**	**1,573.0**	**110,343**	**1,035.6**	**8,605.6**	**15,906.4**
Food and kindred products	324	21,407	485.6	333	18,621	213.8	13,633	128.4	965.5	2,383.1
Tobacco manufacturers	17	3,670	122.0	14	(D)	(D)	(D)	(D)	(D)	(D)
Textile mill products	63	6,001	108.9	29	2,840	21.8	2,347	17.1	66.5	103.3
Apparel and other textile products	386	35,294	278.9	341	31,764	229.7	28,615	192.3	510.1	964.4
Lumber and wood products	83	823	9.1	82	603	4.6	230	1.8	9.0	24.0
Furniture and fixtures	124	2,383	26.1	122	2,195	16.6	1,410	9.6	49.8	98.5
Paper and allied products	38	1,459	21.7	41	1,469	15.3	1,084	8.2	46.5	120.7
Printing and publishing	161	4,037	68.9	154	2,861	39.7	1,597	18.4	109.0	173.9
Chemicals and allied products	181	15,732	1,476.5	183	17,225	287.4	11,553	157.0	3,713.9	5,287.1
Petroleum and coal products	19	2,462	143.4	16	(D)	(D)	(D)	(D)	(D)	(D)
Rubber and misc. plastic products	77	5,961	147.6	83	4,496	45.3	3,457	32.7	157.7	282.0
Leather and leather products	47	6,165	55.7	47	6,019	48.0	5,340	40.0	108.3	229.3
Stone, clay, and glass products	175	4,987	102.7	171	4,390	41.4	2,868	24.3	133.5	283.3
Primary metal industries	35	1,567	48.5	34	683	6.8	457	3.4	14.8	44.0
Fabricated metal products	199	4,654	84.2	162	3,553	42.1	2,445	27.4	115.7	288.8
Machinery, exc. electrical	57	4,071	161.2	88	6,722	87.3	5,094	56.1	542.2	975.0
Electric and electronic equipment	131	14,785	403.1	181	21,682	248.1	16,758	173.7	1,139.6	1,986.0
Transportation equipment	26	1,127	28.1	28	909	9.1	765	7.3	32.1	56.5
Instruments and related products	69	6,789	257.3	89	10,865	130.1	8,574	89.4	616.4	925.8
Misc. manufacturing industries	85	3,487	67.8	87	3,373	37.8	2,448	24.9	92.6	216.3

D Withheld to avoid disclosure. [1] See text, section 13. [2] Average for year. [3] See footnote 6, table 1264. [4] For establishments with 10 or more employees. [5] Represents net selling value, f.o.b. plant. Excludes freight charges and excise taxes. Includes extensive duplication arising from shipments between establishments in the same industry.

Source: U.S. Bureau of the Census, *Censuses of Outlying Areas, Manufactures, 1982, Puerto Rico*, series OAC82-4.

No. 1395. Puerto Rico—Construction Summary: 1977 and 1982

[**Money figures in millions of dollars.** Employer establishments only]

INDUSTRY (Based on 1972 Standard Industrial Classification System) [1]	1977			1982				
	Establishment	Employees [2]	Total receipts [3]	Establishments	Total receipts [3]	Payroll entire year	Employees [2]	Value added [4]
Construction [5]	**1,692**	**36,154**	**931**	**1,394**	**1,190**	**224**	**29,228**	**[illegible]**
General building contractors and operative builders	777	20,281	555	494	606	107	14,620	185
General contractors, residential buildings	576	9,847	(D)	319	(S)	(S)	7,265	(S)
Single-family houses	548	8,256	162	286	(S)	(S)	4,973	(S)
Operative builders	70	3,109	145	48	(S)	(S)	2,237	(D)
General contractors, nonresidential buildings	131	7,325	(D)	127	167	40	5,118	76
Heavy construction, general contractors	156	5,164	151	173	238	44	4,970	(D)
Special trade contractors [5]	705	9,515	202	706	334	72	9,534	154
Plumbing, heating, air-conditioning	132	1,361	39	125	70	16	1,704	28
Painting, paper hanging, decorating	52	585	(D)	42	(S)	(S)	589	(S)
Electrical work	134	2,163	51	162	92	21	2,443	43
Concrete work	45	922	19	63	36	7	1,200	14
Subdividers and developers, n.e.c. [6]	54	1,194	23	21	12	1	104	(D)

D Withheld to avoid disclosures. S Withheld because estimates did not meet publication standards on the basis of either response rate or a consistency review. [1] See text, section 13. [2] Average for year. [3] Total business receipts. [4] All business receipts less payments for materials, components, supplies, and fuels, and for construction work subcontracted to others. [5] Includes industries not shown separately. [6] N.e.c. means not elsewhere classified.

Source: U.S. Bureau of the Census, *Censuses of Outlying Areas, 1977* and *1982 Construction Industries, Puerto Rico,* series OAC77-3 (revised), and OAC 82-3.

No. 1396. Puerto Rico—Merchandise Imports and Exports: 1970 to 1987

[**In millions of dollars**]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Imports	2,681	4,885	5,928	6,200	6,918	7,834	9,018	9,329	8,167	8,708	10,116	10,162	10,321	11,308
From U.S.	2,070	3,029	3,677	3,552	4,391	4,788	5,345	5,801	5,300	5,162	5,738	6,130	6,467	7,307
From other	611	1,856	2,251	2,649	2,527	3,046	3,673	3,528	2,867	3,546	4,378	4,032	3,854	4,001
Exports	1,680	3,000	3,735	4,516	5,123	6,539	6,576	7,047	8,888	8,242	9,426	11,087	11,854	12,508
To U.S.	1,563	2,633	3,298	4,009	4,499	5,720	5,643	6,024	7,624	6,936	8,074	9,873	10,524	11,153
To other	117	367	437	507	624	819	933	1,023	1,264	1,306	1,352	1,214	1,330	1,355

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States,* annual; *U.S. Trade with Puerto Rico and U.S. Possessions, FT 800;* and *Highlights of U.S. Export and Import Trade,* FT990.

No. 1397. Puerto Rico, Guam, and Virgin Islands—Government Summary: 1982

ITEM	Unit	Puerto Rico		Guam	Virgin Islands
		Commonwealth	Municipio [1]		
Number of governments	Number	1	78	1	1
Gross assessed value [2]	Mil. dol	7,705.8	7,705.8	711.4	2,165.5
Real property	Mil. dol	5,118.9	5,118.9	711.4	2,165.5
Personal property	Mil. dol	2,586.9	2,586.9	-	-
Employment, total	Number	185,000	37,500	10,327	12,985
Rate [3] [4]	Number	579	117	974	1,345
Full-time employees	Number	(NA)	(NA)	9,393	12,657
Full-time equivalent	Number	(NA)	(NA)	9,730	12,759
October payrolls total	$1,000	98,200	21,700	12,829	14,127
Average October earnings:					
Full-time employees	Dollars	(NA)	(NA)	1,317	1,105
Instructional employees	Dollars	(NA)	(NA)	1,531	1,410
Other	Dollars	(NA)	(NA)	1,277	1,049
Revenue, total	Mil. dol	5,877.5	346.9	278.6	665.2
Per capita [4]	Dollar	1,839	109	2,629	6,889
Intergovernmental	Mil. dol	1,184.1	58.0	61.0	320.9
Taxes	Mil. dol	1,940.2	289.0	118.9	187.0
Utility	Mil. dol	1,316.7	(NA)	61.0	61.8
Other	Mil. dol	1,436.6	-	37.7	95.6
Expenditure, total	Mil. dol	5,695.6	305.1	450.6	668.6
Per capita [4]	Dollar	1,782	91	4,252	6,923
Current operations	Mil. dol	1,613.4	279.9	373.1	531.3
Capital outlay	Mil. dol	518.5	(NA)	50.4	68.8
Other	Mil. dol	3,363.7	25.2	27.2	68.4

- Represents zero. NA Not available. [1] Classified as county governments for census statistics on governments. [2] For 1981. [3] Per 10,000 population. [4] Based on enumerated population as of April 1, 1980.

Source: U.S. Bureau of the Census, *1982 Census of Governments, Vol. 6, No. 2, Puerto Rico, Virgin Islands, and Guam* (GC82(6)-2).

No. 1398. PUERTO RICO, GUAM, AND VIRGIN ISLANDS—AGRICULTURE: 1978 AND 1982

[1 cuerda=.97 acre. Tons specified are short tons]

ITEM	1978	1982	ITEM	1978	1982	ITEM	AMOUNT HARVESTED [1]			SALES ($1,000)	
							Unit	1978	1982	1978	1982
PUERTO RICO											
Farms	18,992	21,820	Tenure of operator:			Dairy products	(x)	(x)	(x)	131,485	152,126
Percent—			Percent—			Poultry [2]	(x)	(x)	(x)	26,950	45,945
Less than 10 cuerdas	37.0	45.1	Full-owners	77.0	79.3	Coffee	1,000 cwt [3]	178.9	243.9	26,387	39,302
10 to 19 cuerdas	25.2	20.9	Part-owners	15.0	11.5	Cattle and calves	(x)	(x)	(x)	18,945	28,579
20 to 49 cuerdas	20.6	18.0	Managers	2.2	1.8	Sugarcane	1,000 tons	2,925	1,462	39,530	26,663
50 to 99 cuerdas	7.4	7.1	Tenants	5.8	7.4	Fruits/nuts	(x)	(x)	(x)	10,686	14,060
100 to 174 cuerdas	4.1	3.9	Avg. cuerda size—								
			Full-owners	33.8	31.1	Grains and farinaceous crops	(x)	(x)	(x)	5,891	9,713
175 or more cuerdas	5.7	5.0	Part-owners	101.6	99.3	Vegetables	(x)	(x)	(x)	2,338	9,547
Cuerdas in farms	979,603	982,457	Managers	182.0	122.8						
			Tenants	108.5	90.9						
GUAM											
Farms	1,999	2,044	Tenure of operator:			Chicken eggs	(x)	(x)	(x)	1,293.3	792.1
Percent—			Percent—			Cucumbers	1,000 lbs	118.8	658.2	16.7	217.8
Less than 1 acre	(NA)	45.4	Full-owners	80.5	78.0	Fish	(x)	(x)	(x)	5.3	121.3
1 to 2 acres	(NA)	36.4	Permittees	4.7	11.6	Hogs and pigs	(x)	(x)	(x)	69.1	117.2
3 to 7 acres	(NA)	10.5	Tenants	5.8	6.8						
			Part-owners	1.6	1.3	Watermelons	1,000 lbs	387.9	422.5	92.1	115.6
8 or more acres	(NA)	7.8	Nonpermittees	5.8	1.1	Green beans	1,000 lbs	89.4	143.2	23.2	81.8
Acres in farms	28,619	26,662	Others	1.7	1.2	Tomatoes	1,000 lbs	30.6	105.1	5.1	64.3
VIRGIN ISLANDS											
Farms	378	303	Tenure of operator:			Milk	(x)	(x)	(x)	1,074.1	922.8
Percent—			Percent—			Cattle and calves	(x)	(x)	(x)	395.3	488.6
Less than 3 acres	24.1	24.8	Full-owners	78.0	80.2	Poultry [2]	(x)	(x)	(x)	211.7	315.6
3 to 9 acres	38.9	37.6	Part-owners	7.9	10.9	Hogs and pigs	(x)	(x)	(x)	31.5	130.0
10 to 19 acres	14.3	10.6	Tenants	7.4	7.9	Bananas	1,000 bunches	3.2	11.5	5.3	62.6
20 or more acres	22.8	27.1	Managers	6.6	1.0	Onions	(x)	(x)	(x)	4.4	51.5
Acres in farms	24,397	20,824				Mangoes	1,000	111.5	209.8	18.8	48.5

NA Not available. X Not applicable. [1] Includes amounts not sold. [2] Includes poultry products.
[3] Cwt=hundredweight (100 lbs.).

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1, parts 52, 53, and 54.

No. 1399. GUAM, VIRGIN ISLANDS, AND NORTHERN MARIANA ISLANDS—ECONOMIC SUMMARY: 1982

[Sales and payroll in millions of dollars]

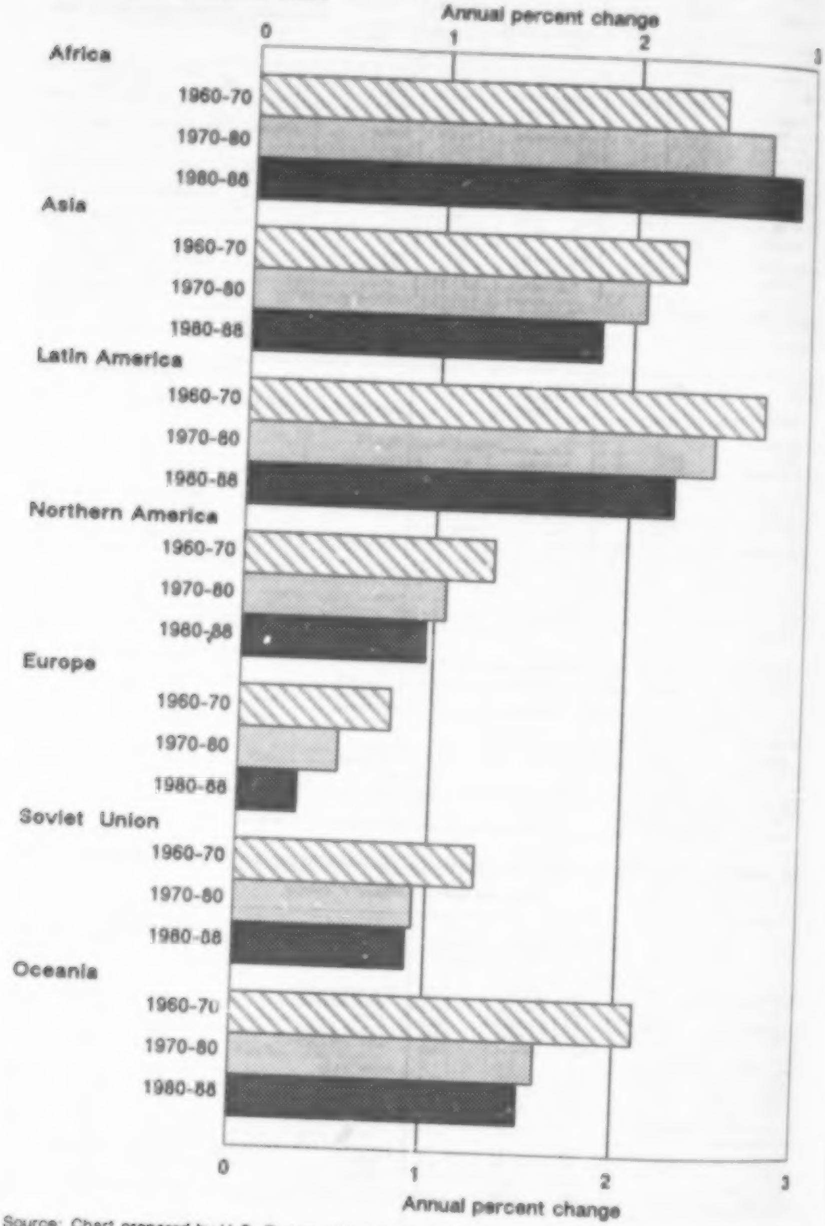
ITEM	Guam	Virgin Islands	No. Mariana Islands
Total: Establishments	1,377	2,588	466
Sales	(D)	(D)	134.9
Annual payroll	115.6	228.5	19.9
Paid employees [1]	11,871	19,132	3,945
Unpaid family workers [2]	507	511	269
Construction: Establishments	61	150	42
Sales	60.2	142.0	22.2
Annual payroll	16.3	46.3	3.7
Paid employees [1]	1,383	3,283	732
Unpaid family workers [2]	14	23	14
Manufacturing:			
Establishments	22	71	8
Sales	(D)	(D)	2.1
Annual payroll	8.4	63.1	.5
Paid employees [1]	638	2,830	97
Unpaid family workers [2]	-	6	-
Wholesale trade:			
Establishments	89	104	11
Sales	164.9	197.4	28.5
Annual payroll	12.8	18.7	1.4
Paid employees [1]	981	1,363	364
Unpaid family workers [2]	12	14	1
Retail trade:			
Establishments	802	1,191	258
Sales	412.9	489.2	56.7
Annual payroll	46.6	57.9	7.4
Paid employees [1]	5,400	6,980	1,490
Unpaid family workers [2]	401	357	199
Services: [3] Establishments	403	1,072	147
Sales	118.9	146.7	25.4
Annual payroll	31.5	42.6	6.9
Paid employees [1]	3,469	4,676	1,262
Unpaid family workers [2]	80	111	55

- Represents zero. D Withheld to avoid disclosure of information pertaining to a specific organization.
[1] For pay period including March 12. [2] Includes those who worked 15 hours or more during the week including March 12.
[3] Includes travel agencies, dental labs; and legal, engineering, architectural and surveying services.

Source: U.S. Bureau of the Census, *1982 Economic Census of Outlying Areas*, OAC 82-5 to OAC 82-7.

Figure 31.1

World Population-Annual Growth Rate, by Continent: 1960 to 1988



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1402.

Section 31

Comparative International Statistics

This section presents statistics for the world as a whole and for many countries on a comparative asis with the United States. Selected data are shown for area and population, births and deaths, ocial and industrial indicators, finances, agriculture, communication, and military affairs.

Statistics of the individual nations may be found primarily in official national publications, general- in the form of yearbooks, issued by most of the nations at various intervals in their own national nguages, expressed in their own or customary units of measure. (For a listing of selected publica- ons, see Guide to Sources.) For handier reference, especially for international comparisons, the tatistical Office of the United Nations compiles data as submitted by member countries and issues number of international summary publications, generally in English and French. Among these are e *Statistical Yearbook;* the *Demographic Yearbook;* the *Yearbook of International Trade Statistics;* e *Yearbook of National Accounts Statistics: Vol. II, International Tables; Population and Vital Sta- stics Reports* (quarterly); the *Monthly Bulletin of Statistics;* and *Energy Statistics Yearbook.* Spe- alized agencies of the United Nations also issue international summary publications on agricultur- , labor, health, and education statistics. Among these are the *Production Yearbook* and *Trade earbook* issued by the Food and Agriculture Organization, the *Yearbook of Labour Statistics* sued by the International Labour Office, *World Health Statistics* issued by the World Health Orga- ization, and the *Statistical Yearbook* issued by the Educational, Scientific, and Cultural Organiza- on.

The Bureau of the Census, in *Country Demographic Profiles*, series ISP-30, presents data on indi- idual countries for both a recent census year and the current period; and in the *World Population rofile* series, estimates of basic demographic measures for countries and regions of the world. The *nternational Population Statistics Reports*, series P-90 and P-91, issued by the Bureau of the ensus, also present population figures for many foreign countries. Detailed population statistics re also available from the Bureau of the Census' computerized data system, the International Data ase.

The U.S. Arms Control and Disarmament Agency and the International Monetary Fund (IMF) also compile data on international statistics. In its *World Military Expenditures and Arms Transfers*, pub- shed annually, the Arms Control and Disarmament Agency presents data on various economic in- icators, as well as basic military data. Among the topics presented have been military expendi- ures, gross national product, imports and exports, and armed forces, by region and/or country. The MF publishes a series of reports relating to financial data. These include *International Financial tatistics, Direction of Trade*, and *Balance of Payments Yearbook*, published in English, French, nd Spanish.

Statistical coverage, country names, and classifications.—Problems of space and availability f data limit the number of countries and the extent of statistical coverage shown. The list of coun- ries included is based almost entirely on a list of sovereign nations, dependencies, and areas of pecial sovereignty published by the U.S. Department of State in *Status of the World's Nations.* ountry names are shown here as specified in that publication. In the few cases where a lack of comparability exists between State Department and United Nations' terminology, the State Depart- ment's preferences are used.

The countries and regions in table 1402 are classified as either "more developed" or "less de- eloped," according to a *regional* classification system used by the Census Bureau in its *World opulation: 1983.* The system is based on the assumption that, within regions, levels of such fac- ors as industrial development, literacy rate, gross reproduction rate, per capita income, etc., are omewhat constant. "More developed" countries comprise Japan, Australia, New Zealand, the Soviet Union, and those countries in Northern America and Europe. All others are "less devel- oped".

The population estimates and projections used in tables 1402-1405 were prepared by the Census Bureau. For each country, the data on population, by age and sex, fertility, mortality, and international migration were evaluated, and, where necessary, adjusted for inconsistencies and errors i the data. In most instances, comprehensive projections were made by the component method, resulting in distributions of the population by age and sex, and requiring an assessment of probable future trends of fertility, mortality, and international migration.

Economic associations.—The Organization for European Economic Co-operation (OEEC), a regional grouping of Western European countries established in 1948 for the purpose of harmonizing national economic policies and conditions, was succeeded on September 30, 1961, by the Organization for Economic Cooperation and Development (OECD). The member nations of the OECD are Australia, Austria, Belgium, Canada, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, the United States, and West Germany, plus Yugoslavia in special status category.

Quality and comparability of the data.—The quality and comparability of the data presented here are affected by a number of factors:

(1) The year for which data are presented may not be the same for all subjects for a particular country, or for a given subject for different countries, though the data shown are the most recent available. All such variations have been noted. The data shown are for calendar years except as otherwise specified.

(2) The bases, methods of estimating, methods of data collection, extent of coverage, precision of definition, scope of territory, and margins of error may vary for different items within a particular country, and for like items for different countries. Footnotes and headnotes to the tables give a few of the major time-period and coverage qualifications attached to the figures; considerably more detail is presented in the source publications. Many of the measures shown are, at best, merely rough indicators of magnitude.

(3) Figures shown in this section for the United States may not always agree with figures shown in the preceding sections. Disagreements may be attributable to the use of differing original sources, a difference in the definition of geographic limits (the 50 States, conterminous United States only, or the United States including certain outlying areas and possessions), or to possible adjustments made in the United States figures by the United Nations or other sources in order to make them more comparable with figures from other countries.

International comparisons of national accounts data.—In order to compare national accounts data for different countries, it is necessary to convert each country's data into a common unit of currency, usually the U.S. dollar. The market exchange rates which are often used in converting national currencies do not necessarily reflect the relative purchasing power in the various countries. For example, using table 1412, it should not be concluded that the United Kingdom's individual standard of living in 1987 was only 64 percent of that of the U.S., as the statistics may imply. It is obviously necessary that the goods and services produced in different countries should be valued consistently if the differences observed are meant to reflect real differences in the volumes of goods and services produced. The use of purchasing power parities (see table 1413) instead of exchange rates is intended to achieve this objective.

The method used to present the data shown in table 1413 is to construct volume measures directly by revaluing the goods and services sold in different countries at a common set of international prices. By dividing the ratio of the gross domestic products of two countries expressed in their own national currencies by the corresponding ratio calculated at constant international prices, it is possible to derive the implied purchasing power parity (PPP) between the two currencies concerned. PPP's show how many units of currency are needed in one country to buy the same amount of goods and services which one unit of currency will buy in the other country. For further information, see *National Accounts, Main Aggregates*, volume I, issued annually by the Organization for Economic Cooperation and Development, Paris, France.

No. 1400. World Summary: 1970 to 1986

[See text, section 31, for general comments concerning quality of the data]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Population	**Millions**	**3,678**	**4,033**	**4,378**	**4,453**	**4,528**	**4,607**	**4,684**	**4,760**	**4,837**	**4,917**
Agriculture, forestry, and fishing:											
Barley	Mil. metric tons	126	140	158	160	152	164	162	173	177	183
Coffee	Mil. metric tons	3.9	4.7	4.9	4.8	6.0	5.1	5.7	5.1	5.9	5.1
Corn	Mil. metric tons	278	346	419	396	450	450	348	453	488	477
Cotton (lint)	Mil. metric tons	11.8	12.3	13.9	13.9	15.3	14.8	14.3	18.3	17.3	15.2
Meats	Mil. metric tons	(NA)	(NA)	130	134	136	137	142	146	151	155
Peanuts (groundnuts)	Mil. metric tons	18.5	19.7	18.0	17.1	20.5	18.1	19.0	20.2	21.8	21.7
Potatoes	Mil. metric tons	288	259	320	264	289	288	265	292	283	292
Rice	Mil. metric tons	316	358	377	399	412	424	452	470	473	474
Tobacco	Mil. metric tons	4.7	5.4	5.4	5.3	6.0	6.9	5.9	6.5	7.0	5.9
Wheat	Mil. metric tons	318	360	429	446	456	483	494	518	506	536
Wool, greasy	Mil. metric tons	(NA)	(NA)	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
Roundwood	Mil. cubic meters	2,614	2,598	2,896	2,942	2,945	2,941	3,038	3,126	3,164	3,252
Fish catches	Mil. metric tons	66.0	66.7	71.3	72.0	74.8	76.6	77.4	83.5	85.6	91.5
Industrial production:											
Wine	Mil. metric tons	(NA)	(NA)	37.6	35.4	31.8	37.3	35.0	32.4	29.3	33.4
Sugar	Mil. metric tons	72.9	81.5	88.5	84.0	92.5	102.2	97.4	99.9	99.1	101.2
Wheat flour	Mil. metric tons	121.2	125.2	133.6	137.2	139.7	139.7	200.0	207.0	212.5	(NA)
Coal	Mil. metric tons	2,143	2,364	2,686	2,728	2,728	2,828	2,831	2,967	3,097	3,195
Lignite and brown coal	Mil. metric tons	793	863	985	1,005	1,034	1,069	1,130	1,186	1,240	1,261
Crude petroleum [1]	Bil. bbl	16.5	19.3	22.8	21.7	20.3	19.3	19.2	19.7	19.4	20.3
Natural gas (dry) [1]	Tril. cu. ft	37.5	44.1	51.7	53.1	54.6	54.1	54.6	59.7	62.2	63.3
Electricity	Bil. kWh	4,962	6,527	7,999	8,247	8,384	8,476	8,824	9,310	9,712	9,962
Iron ore	Mil. metric tons	421	523	736	743	900	816	740	835	853	861
Pig iron and ferroalloys	Mil. metric tons	440	489	540	531	519	472	463	496	504	496
Tin [2]	1,000 metric tons	184	178	233	227	229	214	195	196	195	193
Crude steel	Mil. metric tons	594	644	739	704	695	629	663	710	717	708
Cement	Mil. metric tons	(NA)	(NA)	859	867	868	866	888	889	908	910
Non-cellulosic fibers [2]	Mil. metric tons	4.9	7.4	10.6	10.5	10.8	10.1	10.7	11.5	12.1	11.4
Sawnwood	Mil. cubic meters	413	402	451	438	419	421	441	461	465	475
Woodpulp	Mil. metric tons	97.2	97.9	118.7	121.1	120.6	115.3	123.9	130.9	130.4	(NA)
Newsprint	Mil. metric tons	21.6	21.0	25.3	26.1	27.3	25.8	26.0	27.8	28.3	29.2
Merchant vessels, launched [3]	Mil. gross tons	21.7	35.9	11.8	13.9	17.1	17.3	14.9	17.7	17.8	14.9
Motor vehicles	Millions	29.3	33.0	41.6	38.9	37.5	36.4	39.9	42.0	44.4	(NA)
External trade:											
Imports, c.i.f	Bil. U.S. dollars	329	902	1,689	2,057	2,322	1,905	1,875	1,982	2,025	2,213
Exports, f.o.b	Bil. U.S. dollars	314	874	1,643	1,995	2,215	1,831	1,807	1,900	1,927	2,114
Transport:											
Railway freight	Bil. metric ton-km	5,027	6,015	6,602	6,754	6,810	6,635	6,855	7,136	7,295	(NA)
Merchant shipping, freight [3]	Mil. metric tons	(NA)	(NA)	3,825	3,676	3,500	3,290	3,290	3,410	3,362	(NA)
Civil aviation, kilometers flown [4]	Millions	4,353	4,670	9,150	9,440	9,030	9,010	9,320	9,950	10,420	(NA)

NA Not available. [1] Source: U.S. Energy Information Administration, *International Energy Annual*, and *Monthly Energy Review*. [2] Excludes China: Mainland. Tin and merchant vessels exclude Soviet Union. For other exclusions, see source. [3] Freight loaded. [4] Scheduled services of members of International Civil Aviation Organization. Excludes Soviet Union.

Source: Except as noted, Statistical Office of the United Nations, New York, NY, *Monthly Bulletin of Statistics*. (Copyright.)

No. 1401. World Population, 1980 and 1988, and Area, 1988, by Size of Country

[Covers only countries listed in table 1403. See headnote, table 1403]

POPULATION CLASS IN 1988	POPULATION, 1980		1988					
			Countries		Population		Area	
	Total (mil.)	Percent of total	Total number	Percent of total	Total (mil.)	Percent of total	Total (1,000 sq. mil.)	Percent of total
Total	**4,476**	**100.0**	**208**	**100.0**	**5,143**	**100.0**	**52,449**	**100.0**
Under 1 million	14	.3	76	36.5	16	.3	1,283	2.4
1-5 million	96	2.2	40	19.2	115	2.2	4,708	9.0
5-10 million	169	3.8	27	13.0	199	3.9	3,473	6.6
10-25 million	478	10.7	34	16.3	566	11.0	9,940	19.0
25-50 million	318	7.1	10	4.8	365	7.1	7,821	14.9
Over 50 million	3,401	76.0	21	10.1	3,881	75.5	25,224	48.1

Source: Compiled from U.S. Bureau of the Census, unpublished data.

No. 1402. World Population and Vital Statistics, by Continent and Region, 1970 to 1988, and Projections, 1990 and 2000

[Crude birth rate: Number of births during 1 year per 1,000 persons (based on midyear population). Crude death rate: Number of deaths during 1 year per 1,000 persons (based on midyear population). Total fertility rate: Average number of children that would be born per woman if all women lived to the end of their childbearing years and, at each year of age, they experienced the birth rates occurring in the specified year. For explanation of "more developed" and "less developed" categories, see text, section 31]

CONTINENT AND REGION	MIDYEAR POPULATION (millions)					ANNUAL RATE OF GROWTH [1] (percent)			CRUDE BIRTH RATE		CRUDE DEATH RATE		TOTAL FERTILITY RATE (number)		LIFE EXPECTANCY (years)	
	1970	1980	1988	1990	2000	1970-1980	1980-1990	1990-2000	1988	2000	1988	2000	1988	2000	1988	2000
World total	**3,721**	**4,478**	**5,143**	**5,320**	**6,241**	**1.8**	**1.7**	**1.6**	**26.8**	**23.2**	**9.7**	**8.4**	**3.49**	**3.04**	**61.3**	**66.0**
More developed regions	1,049	1,137	1,198	1,211	1,269	.8	.6	.5	14.9	13.3	9.7	9.7	1.96	1.91	73.3	75.6
Less developed regions	2,672	3,339	3,945	4,109	4,971	2.2	2.1	1.9	30.4	25.8	9.7	8.1	3.98	3.33	59.5	63.6
Percent of world	72	75	77	77	80	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Africa [2]	376	493	622	660	867	2.7	2.9	3.0	43.9	39.4	14.1	10.7	6.26	5.48	52.7	57.7
Asia	2,111	2,594	3,004	3,111	3,655	2.1	1.8	1.6	27.1	22.3	9.1	7.8	3.44	2.81	61.0	65.3
More developed regions	104	117	123	124	129	1.1	.6	.4	11.9	12.6	7.1	9.0	1.79	1.78	77.8	78.5
Less developed regions	2,007	2,477	2,882	2,986	3,526	2.1	1.9	1.7	27.7	22.7	9.2	7.7	3.51	2.85	60.7	65.0
East Asia [3]	991	1,181	1,304	1,334	1,481	1.8	1.2	1.0	18.9	15.2	6.7	6.7	2.20	1.79	69.4	73.1
South Asia [3]	1,120	1,412	1,700	1,777	2,174	2.3	2.3	2.0	33.4	27.2	10.9	8.5	4.39	3.51	57.3	62.4
Latin America [2]	286	365	436	455	551	2.4	2.2	1.9	29.1	23.9	7.1	6.1	3.62	2.92	66.8	70.4
Middle America [2] [3]	70	93	112	116	141	2.9	2.2	2.0	29.8	24.3	6.3	5.3	3.65	2.75	67.8	71.4
Caribbean [2] [3]	25	29	33	34	39	1.6	1.4	1.4	25.3	21.1	8.2	7.2	2.98	2.60	65.8	69.0
South America [2] [3]	191	242	291	304	370	2.4	2.3	2.0	29.3	24.0	7.2	6.2	3.66	3.02	66.5	70.2
Northern America [3] [4]	226	252	272	277	296	1.1	.9	.7	15.2	12.5	8.6	8.9	1.84	1.84	75.5	76.9
Europe [4]	460	484	497	499	510	.5	.3	.2	13.2	12.1	10.6	10.6	1.76	1.76	74.3	75.9
Soviet Union [4]	243	266	286	291	312	.9	.9	.7	18.8	16.2	10.6	9.4	2.45	2.27	68.9	73.2
Oceania	19	23	26	26	30	1.6	1.5	1.3	19.8	17.7	8.1	8.3	2.58	2.37	69.2	71.2
Australia and New Zealand [4]	15	18	20	20	22	1.4	1.2	1.0	15.6	14.0	7.7	8.3	1.92	1.92	75.9	76.9
Less developed regions	4	5	6	6	8	2.5	2.4	2.2	34.0	29.4	9.5	8.2	4.81	3.79	59.0	62.6

X Not applicable. [1] Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Less developed regions. [3] For component countries, see table 1405. [4] More developed region.

Source: U.S. Bureau of the Census, *World Population Profile, 1989,* forthcoming.

No. 1403. Population and Area, by Region and Country, 1980 and 1988, and Projections, 1990 and 2000

[Population data generally are de facto figures for the present territory. Population estimates were derived from information available as of mid-1988. See table 1405 for country components of regions. See text, section 31, for general comments concerning the data. For details of methodology, coverage, and reliability, see sources. Minus sign (-) indicates decrease]

COUNTRY	MIDYEAR POPULATION								Area [2] (sq. mile)
	Number (1,000)				Rank, 1988	Annual percent change [1]		Per sq. mile, 1988	
	1980	1988	1990, proj.	2000, proj.		1980–1990	1990–2000		
World total	**4,476,499**	**5,142,912**	**5,319,635**	**6,240,667**	**(x)**	**1.7**	**1.8**	**101**	**52,446,631**
Africa	492,995	621,988	660,015	886,688	(x)	2.9	3.0	56	11,692,673
Northern America [3]	251,941	272,249	277,020	296,347	(x)	.9	.7	33	8,308,538
Latin America	364,655	435,929	454,627	550,690	(x)	2.2	1.9	57	7,930,816
Middle America	92,905	111,510	116,329	141,491	(x)	2.2	2.0	121	963,397
Caribbean	29,432	32,924	33,893	39,042	(x)	1.4	1.4	367	92,376
South America	242,318	291,494	304,405	370,157	(x)	2.3	2.0	44	6,875,043
East Asia	1,181,034	1,303,707	1,334,093	1,480,966	(x)	1.2	1.0	293	4,550,909
South Asia	1,412,485	1,700,449	1,777,339	2,174,224	(x)	2.3	2.0	289	6,146,724
Europe	484,366	496,625	499,353	510,290	(x)	.3	.2	265	1,881,870
Soviet Union	266,410	286,435	290,939	311,637	(x)	.9	.7	34	8,649,496
Oceania	22,614	25,529	26,250	29,824	(x)	1.5	1.3	8	3,287,606
COUNTRIES									
United States	227,757	246,043	250,372	267,987	4	.9	.7	69	3,618,769
Afghanistan	14,985	14,481	15,592	24,501	54	.4	4.5	62	249,999
Albania	2,671	3,147	3,268	3,792	110	2.0	1.5	294	11,100
Algeria	18,850	24,195	25,714	33,705	34	3.1	2.7	26	919,487
Andorra	34	49	52	62	187	4.4	1.7	290	180
Angola	6,795	8,236	8,802	11,487	73	2.6	2.7	18	481,351
Antigua and Barbuda	60	64	64	68	182	-.7	.7	590	108
Argentina	28,237	31,533	32,291	36,036	29	1.3	1.1	30	1,068,297
Aruba	60	62	63	63	183	.4	(Z)	835	75
Australia	14,616	16,260	16,643	18,468	49	1.3	1.0	6	2,967,894
Austria	7,549	7,577	7,596	7,662	77	.1	.1	235	32,369
Bahamas, The	211	243	251	294	158	1.8	1.6	47	5,380
Bahrain	348	480	512	650	142	3.9	2.4	1,862	261
Bangladesh	88,077	109,964	115,753	144,852	9	2.7	2.2	2,082	55,598
Barbados	252	257	260	279	156	.3	.7	1,564	166
Belgium	9,847	9,881	9,895	9,932	66	(Z)	(Z)	839	11,792
Belize	147	172	180	226	164	2.0	2.3	20	8,866
Benin	3,435	4,497	4,840	7,082	96	3.4	3.8	111	43,483
Bhutan	1,281	1,503	1,566	1,906	126	2.0	2.0	87	18,000
Bolivia	5,395	6,448	6,730	8,218	87	2.2	2.0	16	424,162
Botswana	903	1,190	1,276	1,794	130	3.5	3.4	6	231,804
Brazil	123,180	150,685	157,940	195,244	6	2.5	2.1	48	3,286,524
Brunei	185	317	372	562	154	7.0	4.1	166	2,235
Bulgaria	8,844	8,967	8,978	9,046	68	.2	.1	210	42,823
Burkina	7,089	8,486	8,941	11,814	71	2.3	2.8	96	92,741
Burma	33,533	39,632	41,279	49,772	24	2.1	1.9	158	261,217
Burundi	4,120	5,156	5,474	7,315	91	2.8	2.9	500	10,747
Cambodia	5,092	6,686	6,993	8,511	85	2.1	2.0	100	69,898
Cameroon	8,576	10,532	11,109	14,471	61	2.6	2.6	61	183,567
Canada	24,070	26,088	26,527	28,233	31	1.0	.6	7	3,849,656
Cape Verde	296	354	375	505	148	2.4	3.0	241	1,560
Central African Republic	2,269	2,736	2,879	3,705	114	2.4	2.5	12	240,534
Chad	4,018	4,778	5,063	6,274	95	2.3	2.2	10	495,998
Chile	11,094	12,638	13,016	14,796	56	1.6	1.3	45	292,257
China: Mainland	983,379	1,088,169	1,114,512	1,242,289	1	1.3	1.1	301	3,705,390
Taiwan	17,788	20,004	20,454	22,304	41	1.4	.9	1,642	12,456
Colombia	28,516	31,299	32,598	38,800	30	2.1	1.7	74	439,735
Comoros [4]	334	429	460	656	144	3.2	3.5	549	838
Congo	1,620	2,154	2,305	3,208	120	3.5	3.3	17	132,046
Costa Rica	2,307	2,888	3,039	3,743	112	2.8	2.1	155	19,575
Cuba	9,653	10,354	10,548	11,420	63	.9	.8	239	44,197
Cyprus	627	692	708	775	139	1.2	.9	198	3,572
Czechoslovakia	15,256	15,621	15,695	16,204	50	.3	.3	318	49,371
Denmark	5,123	5,126	5,134	5,166	92	(Z)	.1	309	16,632
Djibouti	279	320	337	440	153	1.9	2.6	40	8,494
Dominica	75	83	86	103	176	1.3	1.8	295	291
Dominican Republic	5,826	7,137	7,501	9,404	81	2.5	2.3	399	18,816
East Germany	16,737	16,597	16,578	16,539	46	-.1	(Z)	397	41,768
Ecuador	8,123	10,232	10,790	13,641	64	2.8	2.3	99	109,483
Egypt	42,239	53,348	56,219	71,160	20	2.9	2.4	145	386,660
El Salvador	4,680	5,389	5,669	7,163	90	1.9	2.4	697	8,124
Equatorial Guinea	202	347	360	443	149	3.2	2.1	33	10,830
Ethiopia	38,563	48,265	51,375	71,132	22	2.9	3.3	100	471,776
Fiji	631	741	772	925	137	2.0	1.8	109	7,095
Finland	4,780	4,950	4,977	5,049	94	.4	.1	38	130,159
France	53,870	55,798	56,184	57,884	17	.4	.3	266	211,207
Gabon	806	1,052	1,069	1,232	132	2.8	1.4	10	103,346
Gambia, The	644	779	820	1,071	135	2.4	2.7	188	4,361
Ghana	10,842	14,360	15,234	20,481	55	3.4	3.0	165	92,100
Greece	9,643	10,015	10,006	10,271	65	.4	.2	198	50,944
Grenada	90	84	84	92	175	-.7	.9	634	133
Guatemala	7,132	8,831	9,249	11,373	69	2.6	2.1	220	42,000
Guinea	5,484	6,909	7,269	9,233	83	2.8	2.4	77	94,964

See footnotes at end of table.

NO. 1403. POPULATION AND AREA, BY REGION AND COUNTRY, 1980 AND 1988, AND PROJECTIONS, 1990 AND 2000–Continued

[See headnote p. 813]

COUNTRY	MIDYEAR POPULATION								Area [2] (sq. mile)
	Number (1,000)				Rank, 1988	Annual percent change [1]		Per sq. mile, 1988	
	1980	1988	1990, proj	2000, proj.		1980–1990	1990–2000		
Guinea-Bissau	789	951	998	1,262	134	2.3	2.3	71	14,000
Guyana	759	766	765	821	136	.1	.7	9	83,000
Haiti	5,473	6,296	6,509	7,670	86	1.7	1.6	608	10,714
Honduras	3,778	4,972	5,286	6,857	93	3.4	2.6	122	43,277
Hungary	10,711	10,588	10,546	10,477	60	-.2	-.1	294	35,919
Iceland	228	247	250	268	157	.9	.7	6	39,768
India [5]	688,994	816,828	850,067	1,013,280	2	2.1	1.8	670	1,269,339
Indonesia	154,936	184,016	191,266	226,619	5	2.1	1.7	244	782,859
Iran	39,167	51,924	55,249	73,901	21	3.4	2.9	87	636,293
Iraq	13,201	17,583	18,868	26,491	44	3.6	3.4	112	167,924
Ireland	3,407	3,532	3,523	3,508	104	.3	(z)	130	27,136
Israel	3,737	4,297	4,445	5,165	98	1.7	1.5	556	8,000
Italy	56,451	57,455	57,657	58,499	15	.2	.1	496	116,302
Ivory Coast	8,235	11,185	12,070	17,329	58	3.8	3.6	97	124,503
Jamaica	2,229	2,458	2,513	2,933	117	1.2	1.5	592	4,244
Japan	116,807	122,626	123,749	128,860	7	.6	.4	861	143,750
Jordan	2,152	2,850	3,065	4,372	113	3.5	3.6	88	35,000
Kenya	16,710	23,342	25,393	38,306	37	4.2	4.1	113	224,960
Kiribati	58	68	70	81	179	1.9	1.5	252	276
Kuwait	1,370	1,938	2,083	2,739	123	4.2	2.7	303	6,880
Laos	3,292	3,850	4,024	4,964	102	2.0	2.1	44	91,430
Lebanon	3,266	3,338	3,392	4,084	108	.4	1.9	848	4,000
Lesotho	1,348	1,666	1,757	2,247	125	2.7	2.5	149	11,781
Liberia	1,899	2,463	2,628	3,604	116	3.2	3.2	61	43,000
Libya	3,028	3,956	4,206	5,559	101	3.3	2.8	6	679,359
Liechtenstein	25	28	28	30	194	1.2	.5	456	62
Luxembourg	364	366	366	365	147	.1	(z)	367	998
Madagascar	8,699	11,073	11,802	16,189	59	3.1	3.2	52	226,919
Malawi	6,008	7,679	8,196	11,446	76	3.1	3.3	179	45,747
Malaysia	13,764	16,398	17,053	20,225	48	2.1	1.7	133	128,400
Maldives	154	203	219	318	159	3.5	3.7	1,904	115
Mali	6,985	8,666	9,182	12,283	70	2.7	2.9	19	478,764
Malta	364	369	373	392	146	.3	.5	3,086	121
Mauritania	1,535	1,919	2,038	2,777	124	2.8	3.1	5	397,954
Mauritius	964	1,100	1,141	1,328	131	1.7	1.5	1,585	720
Mexico	70,111	83,528	86,888	104,458	11	2.1	1.8	114	761,601
Monaco	27	29	29	32	193	1.0	.7	29,453	1
Mongolia	1,662	2,068	2,185	2,837	121	2.7	2.6	4	604,100
Morocco	20,545	24,976	26,249	33,274	32	2.5	2.4	152	172,413
Mozambique	12,103	14,948	15,830	21,145	52	2.7	2.9	52	302,328
Nauru	8	9	9	10	204	1.8	1.3	1,150	8
Nepal	14,988	18,252	19,158	24,360	43	2.5	2.4	352	54,359
Netherlands	14,144	14,716	14,864	15,458	53	.5	.4	943	15,770
New Zealand	3,113	3,343	3,402	3,649	107	.9	.7	33	103,736
Nicaragua	2,793	3,407	3,606	4,743	105	2.6	2.7	72	50,193
Niger	5,563	7,214	7,691	10,571	80	3.2	3.2	16	489,189
Nigeria	90,035	111,904	118,865	160,930	8	2.8	3.0	333	356,667
North Korea	17,892	21,984	23,059	28,388	39	2.5	2.1	493	46,768
Norway	4,086	4,191	4,214	4,291	99	.3	.2	34	125,181
Oman	984	1,265	1,345	1,821	128	3.1	3.0	16	82,000
Pakistan [6]	85,219	107,467	113,163	145,266	10	2.8	2.5	365	310,403
Panama	1,956	2,324	2,423	2,928	119	2.1	1.9	81	29,761
Papua New Guinea	2,991	3,650	3,824	4,774	103	2.5	2.2	21	178,259
Paraguay	3,379	4,386	4,660	6,022	97	3.2	2.6	30	157,046
Peru	17,295	21,269	22,353	28,126	40	2.6	2.3	45	496,222
Philippines	50,866	63,199	66,647	85,527	13	2.7	2.5	575	116,000
Poland	35,578	37,958	38,363	39,926	26	.8	.4	318	120,700
Portugal	9,778	10,388	10,528	11,031	62	.7	.5	296	35,553
Qatar	231	328	353	480	152	4.3	3.1	83	4,247
Romania	22,201	23,041	23,269	24,381	38	.5	.5	254	91,699
Rwanda	5,281	7,058	7,603	11,020	82	3.6	3.7	748	10,169
Saint Christopher and Nevis	44	37	35	35	191	-2.2	-.1	350	101
Saint Lucia	115	137	143	180	167	2.2	2.3	599	238
Saint Vincent and The Grenadines	98	107	110	122	171	1.2	1.1	734	150
San Marino	21	23	23	25	196	.9	.8	974	24
Sao Tome and Principe	94	117	125	170	169	2.8	3.1	335	372
Saudi Arabia	10,150	15,452	16,758	23,154	51	5.0	3.2	20	829,996
Senegal	5,738	7,281	7,740	10,605	79	3.0	3.1	102	75,750
Seychelles	63	69	71	83	178	1.1	1.6	656	108
Sierra Leone	3,316	3,963	4,168	5,403	100	2.3	2.6	150	27,699
Singapore	2,414	2,645	2,703	2,939	115	1.1	.8	11,309	239
Solomon Islands	233	312	335	469	155	3.7	3.4	29	11,500
Somalia	6,110	7,990	8,415	10,387	74	3.2	2.1	34	246,200
South Africa	29,136	35,094	36,696	45,267	27	2.3	2.1	78	471,443
South Korea	38,124	42,773	43,919	49,509	23	1.4	1.2	1,155	38,031
Soviet Union	266,410	286,435	290,939	311,637	3	.9	.7	34	8,649,496
Spain	37,488	39,210	39,623	41,460	25	.6	.5	203	194,896
Sri Lanka	14,900	16,640	17,096	19,399	45	1.4	1.3	675	25,332
Sudan	18,882	24,014	25,037	33,393	35	2.8	2.9	26	967,495
Suriname	355	395	408	482	145	1.4	1.7	6	63,037
Swaziland	584	735	779	1,054	138	2.9	3.0	116	6,704
Sweden	8,310	8,393	8,407	8,382	72	.1	(z)	48	173,731
Switzerland	6,365	6,593	6,628	6,700	86	.4	.1	416	15,918

See footnotes at end of table.

NO. 1403. POPULATION AND AREA, BY REGION AND COUNTRY, 1980 AND 1988, AND PROJECTIONS, 1990 AND 2000–Continued

[See headnote p. 813]

COUNTRY	MIDYEAR POPULATION								Area [2] (sq. mile)
	Number (1,000)				Rank, 1988	Annual percent change [1]		Per sq. mile, 1988	
	1980	1988	1990, proj	2000, proj.		1980–1990	1990–2000		
Syria	8,692	11,570	12,471	18,157	57	3.6	3.8	174	71,498
Tanzania	18,804	24,295	25,994	36,587	33	3.2	3.4	71	363,947
Thailand	46,926	54,589	56,449	65,518	18	1.8	1.5	284	198,772
Togo	2,596	3,336	3,566	4,942	109	3.2	3.3	162	22,000
Tonga	93	100	101	110	172	.9	.8	263	365
Trinidad and Tobago	1,056	1,220	1,270	1,536	129	1.8	1.9	641	1,980
Tunisia	6,462	7,738	8,095	9,940	75	2.3	2.1	128	63,170
Turkey	45,121	54,168	56,549	68,565	19	2.3	1.9	188	301,381
Tuvalu	7	8	9	10	206	1.6	1.5	877	10
Uganda	12,766	16,447	17,593	24,662	47	3.2	3.4	193	91,075
United Arab Emirates	1,000	1,960	2,250	3,589	122	8.1	4.7	70	32,278
United Kingdom	56,314	56,936	57,121	57,649	16	.1	.1	606	94,200
Uruguay	2,890	2,976	3,002	3,164	111	.4	.5	44	68,037
Vanuatu	117	155	165	221	165	3.4	2.9	29	5,700
Venezuela	15,024	18,776	19,753	24,682	42	2.7	2.2	56	352,143
Vietnam	53,624	65,185	68,488	86,012	12	2.4	2.3	538	127,300
West Germany	61,561	60,980	60,977	60,688	14	-.1	(Z)	635	95,976
Western Samoa	155	178	186	235	163	1.8	2.3	164	1,133
Yemen (Aden)	1,920	2,426	2,585	3,581	118	3.0	3.3	21	124,698
Yemen (Sanaa)	5,404	6,732	7,162	10,023	84	2.8	3.4	95	75,000
Yugoslavia	22,304	23,580	23,864	25,040	36	.7	.5	242	98,766
Zaire	26,682	33,294	35,330	47,940	28	2.8	3.1	39	905,563
Zambia	5,629	7,546	8,112	11,610	78	3.7	3.6	26	290,584
Zimbabwe	7,298	9,729	10,482	15,118	67	3.6	3.7	64	151,000
AREAS OF SPECIAL SOVEREIGNTY AND DEPENDENCIES									
American Samoa	32	39	41	49	190	2.4	1.8	541	76
Anguilla	7	7	7	8	207	.7	.8	199	35
Bermuda	57	58	58	59	184	.2	.1	2,917	20
British Virgin Islands	11	12	12	14	202	1.2	1.4	210	59
Cayman Islands	17	23	25	36	195	3.6	3.7	245	100
Cook Islands	18	18	18	19	198	.3	.5	196	93
Faroe Islands	43	47	48	52	188	.9	.8	92	517
Federated States of Micronesia	73	86	90	106	174	2.1	1.8	331	271
French Guiana	66	92	98	124	173	3.7	2.4	3	35,100
French Polynesia	151	191	202	252	160	2.9	2.2	131	1,544
Gaza Strip	453	578	616	837	140	3.1	3.1	4,398	140
Gibraltar	29	29	29	30	192	(Z)	.2	14,651	2
Greenland	50	55	56	62	185	1.1	1.0	(Z)	840,000
Guadeloupe	327	339	344	386	150	.5	1.1	501	687
Guam	107	130	134	149	168	2.2	1.1	639	209
Guernsey	53	53	53	52	186	-.1	-.2	703	75
Hong Kong	5,063	5,651	5,770	6,303	89	1.3	.9	14,109	409
Isle of Man	64	65	65	66	181	.1	.1	286	227
Jersey	76	81	81	84	177	.7	.3	1,806	45
Macau	318	432	444	476	143	3.3	.7	74,034	6
Marshall Islands	31	41	43	56	189	3.5	2.5	620	70
Martinique	326	330	333	359	151	.2	.7	784	425
Mayotte	50	67	72	106	180	3.6	3.9	498	145
Montserrat	12	12	12	12	201	.3	.1	310	39
Namibia	998	1,302	1,400	2,022	127	3.4	3.7	4	318,261
Netherlands Antilles	170	183	183	192	161	.8	.5	261	703
New Caledonia	139	151	154	178	166	1.0	1.4	18	8,548
Northern Mariana Islands	17	21	22	26	197	2.4	1.9	117	184
Pacific Islands, Trust Territory of the [7]	13	14	14	15	200	.7	.7	27	533
Puerto Rico	3,206	3,359	3,415	3,691	106	.6	.8	994	3,435
Reunion	507	557	574	658	141	1.2	1.4	592	970
Saint Helena	6	9	9	9	205	3.0	.2	185	47
Saint Pierre and Miquelon	6	6	6	7	208	.5	.3	68	93
Turks and Caicos Islands	7	9	10	12	203	2.7	1.7	59	166
Virgin Islands	96	113	116	132	170	1.7	1.3	871	133
Wallis and Futuna	11	14	15	18	199	3.2	2.0	187	80
West Bank	833	992	1,038	1,309	133	2.2	2.3	459	2,262
Western Sahara	126	181	192	246	162	4.2	2.5	2	103,000

X not applicable. Z Less than .05 percent or .5. [1] Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Data from U.S. Central Intelligence Agency, *The World Factbook Nineteen and Eighty-Six*; U.S. Department of State, *Status of the World's Nations*, periodic; and Statistical Office of the United Nations, New York, NY, *Demographic Yearbook*. [3] Includes Bermuda, Canada, Greenland, St. Pierre and Miquelon, and United States. [4] Excludes Mayotte, an area subject to dispute over sovereignty. [5] Includes the Indian-held part of Jammu and Kashmir. [6] Excludes the Pakistani-held part of Jammu and Kashmir. [7] Includes only the Republic of Palau.

Source: Except as noted, U.S. Bureau of the Census, unpublished data.

No. 1404. World Population, by Age Group, 1988, and Projections, 2000

[In percent. Covers countries with 10 million or more population in 1988. Regional data excludes 29 small countries for which component projections are not available. See table 1405 for country components of regions. Data compiled from the International Data Base; see text, section 31]

COUNTRY	1988				2000			
	Under 5 years old	5 to 14 years old	15 to 64 years old	65 years old and over	Under 5 years old	5 to 14 years old	15 to 64 years old	65 years old and over
World total	**11.85**	**20.91**	**61.41**	**5.84**	**10.79**	**19.95**	**62.60**	**6.66**
Africa	17.80	27.08	52.29	2.86	16.86	26.96	53.14	3.04
Northern America	7.44	14.01	66.33	12.23	6.35	13.86	66.92	12.87
Latin America	13.35	23.72	58.43	4.50	11.32	21.54	61.90	5.23
Middle America	13.83	26.12	56.19	3.86	11.61	21.90	61.89	4.60
Caribbean	11.58	20.66	61.66	6.10	10.12	19.66	63.81	6.42
South America	13.37	23.15	58.92	4.56	11.34	21.60	61.71	5.35
East Asia	8.74	18.05	67.24	5.97	7.86	15.71	68.45	7.98
South Asia	14.40	24.13	58.07	3.40	12.32	22.71	60.90	4.07
Europe	6.43	13.59	66.77	13.22	6.13	12.60	66.29	14.97
Soviet Union	9.41	16.61	64.86	9.12	7.87	16.26	64.37	11.51
Oceania	9.25	17.57	64.15	9.03	8.63	16.71	64.98	9.67
COUNTRIES								
United States	7.46	14.03	66.17	12.34	6.40	13.94	66.81	12.85
Afghanistan	16.83	26.60	53.96	2.61	16.02	25.87	55.29	2.82
Algeria	17.02	27.51	52.02	3.45	13.72	25.90	56.75	3.63
Argentina	10.04	20.00	61.05	8.91	9.12	17.42	63.62	9.84
Australia	7.59	15.14	66.53	10.74	7.11	14.43	66.65	11.81
Bangladesh	16.94	26.40	53.70	2.96	13.43	25.01	58.24	3.32
Brazil	13.96	23.60	58.44	4.01	11.77	22.21	61.10	4.92
Burma	14.44	23.99	57.64	3.92	12.63	23.20	59.91	4.26
Cameroon	17.12	26.80	52.97	3.11	16.25	26.18	54.45	3.12
Canada	7.23	13.83	67.82	11.12	5.89	13.09	67.95	13.07
Chile	10.38	19.91	63.81	5.89	8.80	17.76	66.37	7.07
China: Mainland	8.91	18.34	67.26	5.49	7.94	15.97	68.78	7.32
Taiwan	8.62	19.54	66.17	5.67	6.87	14.43	70.52	8.18
Colombia	12.53	22.42	61.60	3.45	9.94	20.70	64.94	4.42
Cuba	8.05	15.45	68.11	8.38	7.10	15.16	68.56	9.18
Czechoslovakia	7.08	16.71	64.71	11.49	7.15	13.49	67.26	12.10
East Germany	6.75	12.76	67.32	13.17	5.79	12.73	67.83	13.65
Ecuador	15.73	25.57	55.05	3.64	12.64	24.05	59.35	3.96
Egypt	16.28	26.27	54.17	3.28	13.29	24.69	58.32	3.70
Ethiopia	17.70	28.35	51.35	2.61	17.89	27.50	51.78	2.83
France	6.77	13.68	66.00	13.55	6.00	12.88	65.51	15.61
Ghana	17.63	25.93	53.43	3.02	16.62	27.33	52.84	3.22
Greece	5.96	14.05	66.38	13.62	5.72	11.47	65.32	17.49
Hungary	5.91	15.06	66.05	12.98	6.67	12.21	67.09	14.03
India	13.60	23.29	59.72	3.39	11.19	21.60	63.08	4.13
Indonesia	13.21	24.46	59.57	2.76	10.49	20.85	64.42	4.24
Iran	17.88	25.90	52.90	3.32	16.81	26.97	52.45	3.77
Iraq	18.90	28.69	49.21	3.20	17.24	28.12	51.77	2.87
Italy	5.24	12.50	68.29	13.97	5.86	11.06	66.35	16.73
Ivory Coast	18.52	27.75	51.77	1.96	18.26	28.04	51.38	2.32
Japan	5.92	13.87	69.15	11.07	6.16	11.41	66.66	15.77
Kenya	21.45	30.06	46.40	2.09	20.21	30.46	47.23	2.11
Madagascar	18.99	27.02	50.60	3.38	18.19	28.21	50.45	3.14
Malaysia	12.73	22.95	60.48	3.84	10.22	20.47	64.96	4.34
Mexico	13.11	25.71	57.08	4.10	11.11	21.04	62.93	4.93
Morocco	15.36	25.93	54.67	4.05	13.06	24.04	58.47	4.43
Mozambique	17.94	26.90	52.65	2.52	17.37	27.29	52.75	2.59
Nepal	16.75	26.87	53.59	2.79	15.30	25.42	56.26	3.03
Netherlands	6.07	12.26	69.04	12.63	6.01	12.16	67.73	14.10
Nigeria	18.00	26.90	53.13	1.97	17.75	26.88	52.65	2.72
North Korea	13.81	24.03	58.37	3.80	11.34	22.28	61.67	4.71
Pakistan	17.19	25.91	52.85	4.05	16.46	26.20	53.45	3.89
Peru	14.85	24.97	56.53	3.65	12.84	23.36	59.58	4.22
Philippines	15.60	25.18	55.92	3.30	14.09	24.71	57.42	3.77
Poland	8.66	17.00	64.67	9.66	6.79	14.76	66.89	11.57
Portugal	6.95	15.43	65.59	12.04	6.55	13.48	66.15	13.82
Romania	7.45	16.45	66.13	9.97	7.26	14.70	65.49	12.55
Saudi Arabia	15.90	21.15	61.09	1.86	15.55	24.69	57.05	2.71
South Africa	14.24	23.96	57.52	4.28	12.63	23.13	59.78	4.46
South Korea	9.82	18.92	66.81	4.46	8.63	17.01	68.41	5.95
Soviet Union	9.41	16.61	64.86	9.12	7.87	16.26	64.37	11.51
Spain	6.23	15.45	65.71	12.61	6.43	12.46	65.57	15.54
Sri Lanka	11.08	21.97	62.03	4.92	9.19	18.07	66.46	6.28
Sudan	18.32	26.86	51.71	3.11	16.86	27.53	52.45	3.16
Syria	18.93	28.71	49.27	3.10	18.45	28.53	50.03	3.00
Tanzania	19.80	26.44	48.75	3.01	19.27	28.84	49.23	2.66
Thailand	11.56	22.08	62.45	3.91	9.70	18.99	66.14	5.18
Turkey	13.54	23.85	58.26	4.34	11.24	21.67	61.87	5.22
Uganda	19.49	28.58	49.58	2.35	19.10	28.89	49.78	2.23
United Kingdom	6.52	12.22	65.74	15.52	5.88	12.96	65.72	15.43
Venezuela	14.26	24.50	57.66	3.58	12.00	22.49	61.09	4.42
Vietnam	15.04	25.06	56.29	3.62	12.89	23.98	58.88	4.25
West Germany	4.94	9.77	69.95	15.34	5.41	10.88	66.66	17.05
Yugoslavia	7.62	15.73	67.72	8.93	6.71	13.92	66.84	12.53
Zaire	18.30	27.36	51.56	2.76	17.38	27.57	52.27	2.78

Source: U.S. Bureau of the Census, unpublished data.

No. 1405. Vital Statistics, 1988, and Projections, 2000—Selected Countries

[Covers countries with 5 million or more population in 1988. AFR—Africa, EAS—East Asia, SAS—South Asia, CAR—Carribbean, MAM—Middle America, SAM—South America, NAM—North America, EUR—Europe, SOV—Soviet Union, OCE—Oceania. For region data, see table 1402. Data compiled from the International Data Base; see text, section 31]

COUNTRY	Region	CRUDE BIRTH RATE [1] [2]		CRUDE DEATH RATE [1] [2]		EXPECTATION OF LIFE AT BIRTH (yrs.)		INFANT MORTALITY RATE [3]		TOTAL FERTILITY RATE [2]	
		1988	2000	1988	2000	1988	2000	1988	2000	1988	2000
United States	NAM	15.3	12.7	8.8	9.0	75.3	76.7	11	10	1.85	1.86
Afghanistan	SAS	44.6	40.3	21.2	16.5	42.2	47.9	176	148	6.54	5.58
Algeria	AFR	39.1	28.5	8.3	4.8	64.0	71.0	77	40	5.72	3.78
Angola	AFR	46.5	42.6	21.0	16.1	42.8	46.9	164	128	6.72	6.05
Argentina	SAM	20.6	19.2	8.7	8.6	70.4	72.3	33	26	2.85	2.50
Australia	OCE	15.5	14.0	7.6	8.2	76.1	77.1	8	6	1.92	1.93
Austria	EUR	12.1	11.0	11.6	10.6	75.4	77.5	9	5	1.51	1.70
Bangladesh	SAS	41.5	30.9	15.3	11.1	51.0	55.9	135	114	5.62	4.00
Belgium	EUR	12.1	11.0	11.3	11.1	75.4	76.8	8	6	1.58	1.70
Bolivia	SAM	36.2	30.2	13.3	10.4	53.9	58.8	125	105	4.85	3.75
Brazil	SAM	30.6	25.1	6.7	5.7	67.0	70.9	60	46	3.87	3.20
Bulgaria	EUR	12.9	13.2	12.3	12.7	70.8	72.2	18	14	1.93	1.90
Burkina	AFR	47.3	43.6	18.5	13.9	46.6	52.3	141	109	6.56	5.89
Burma	SAS	33.8	28.1	13.2	10.8	53.8	57.9	101	80	4.29	3.51
Burundi	AFR	47.3	40.5	17.6	12.8	48.5	54.0	115	90	6.55	5.89
Cambodia	SAS	39.8	28.8	17.2	11.9	47.7	54.9	134	95	4.64	3.96
Cameroon	AFR	42.2	38.3	15.9	12.1	49.6	55.1	126	96	5.82	5.00
Canada	NAM	14.5	11.5	7.3	7.9	77.1	79.3	7	5	1.69	1.70
Chile	SAM	21.4	17.7	6.4	6.4	71.3	73.6	19	13	2.48	2.21
China: Mainland	EAS	19.4	15.2	6.8	6.5	68.8	72.6	35	23	2.22	1.75
Taiwan	EAS	16.9	14.0	5.1	6.6	73.3	74.3	19	17	1.79	1.71
Colombia	SAM	27.7	19.8	6.7	5.6	65.4	69.5	55	42	3.02	2.25
Cuba	CAR	17.2	13.8	7.3	7.5	73.1	74.5	17	14	1.78	1.80
Czechoslovakia	EUR	14.1	14.5	11.6	10.9	71.5	73.0	14	11	2.03	1.90
Denmark	EUR	11.2	11.5	11.4	11.1	75.3	77.5	7	4	1.51	1.70
Dominican Republic	CAR	33.5	26.8	8.2	6.4	62.0	66.6	68	49	3.98	3.25
East Germany	EUR	13.5	12.0	13.1	11.7	72.7	73.7	11	9	1.78	1.89
Ecuador	SAM	34.7	26.6	7.5	5.9	65.2	68.9	64	47	4.45	3.25
Egypt	AFR	37.4	29.1	10.4	7.3	59.3	64.8	96	64	5.25	3.89
El Salvador	MAM	36.7	30.2	9.5	7.0	58.8	63.8	86	62	4.77	3.50
Ethiopia	AFR	45.4	42.5	14.9	11.4	50.9	56.4	116	88	7.03	6.33
France	EUR	13.6	11.7	10.1	9.8	75.7	77.3	9	7	1.80	1.70
Ghana	AFR	41.8	36.6	10.3	7.8	59.0	63.9	70	51	5.67	4.75
Greece	EUR	11.9	11.4	9.4	9.9	77.0	79.1	12	7	1.69	1.70
Guatemala	MAM	35.6	28.5	9.3	7.5	60.4	64.5	65	50	4.98	3.50
Guinea	AFR	47.8	39.6	22.6	17.2	41.5	47.0	152	122	6.07	5.46
Haiti	CAR	32.7	26.3	12.3	10.0	55.4	59.6	94	75	4.41	3.26
Hong Kong	EAS	13.4	11.9	5.0	6.5	78.0	79.3	7	5	1.40	1.70
Hungary	EUR	12.1	13.7	14.1	13.4	69.1	71.1	20	15	1.85	1.90
India	SAS	31.2	24.1	10.9	8.6	56.9	62.1	94	67	3.97	3.00
Indonesia	SAS	29.1	22.3	9.3	7.0	58.4	65.4	83	58	3.50	2.59
Iran	SAS	45.0	39.8	12.7	9.5	56.8	61.8	113	94	6.29	5.67
Iraq	SAS	45.0	38.9	9.6	7.1	61.7	65.5	86	72	7.14	5.50
Italy	EUR	11.0	11.6	9.9	10.5	76.7	78.0	8	6	1.46	1.70
Ivory Coast	AFR	46.2	42.7	13.1	9.9	52.9	58.3	104	78	6.69	6.03
Japan	EAS	11.9	12.6	7.1	9.0	77.8	78.5	6	6	1.79	1.78
Kenya	AFR	51.5	46.4	9.3	6.4	60.6	65.6	72	50	7.88	6.86
Madagascar	AFR	47.1	42.7	15.5	11.5	51.3	56.7	101	78	6.94	6.25
Malawi	AFR	50.1	46.4	17.9	13.3	47.6	53.0	134	105	7.68	6.79
Malaysia	SAS	26.5	20.9	6.5	5.6	67.0	70.5	33	21	3.03	2.45
Mali	AFR	49.1	44.3	20.5	15.5	45.3	51.0	153	129	6.59	5.93
Mexico	MAM	27.9	23.1	5.8	5.1	69.7	73.1	44	32	3.30	2.54
Morocco	AFR	35.1	28.1	9.0	5.8	63.0	69.8	82	56	4.66	3.46
Mozambique	AFR	46.6	42.1	18.5	14.2	45.9	51.3	145	114	6.49	5.84
Namibia	AFR	44.8	41.0	10.4	7.4	59.1	64.1	74	52	6.64	5.97
Nepal	SAS	40.1	35.6	15.9	11.7	49.2	55.2	103	83	5.79	4.68
Netherlands	EUR	12.7	11.6	8.6	8.9	77.1	78.8	8	5	1.55	1.70
Niger	AFR	49.5	44.6	17.6	13.3	48.5	53.8	139	117	6.80	6.12
Nigeria	AFR	46.1	43.1	17.0	13.7	47.7	52.8	122	103	6.54	5.99
North Korea	EAS	29.8	23.3	5.4	4.9	69.6	72.5	33	26	3.59	2.84
Pakistan	SAS	43.2	39.9	14.5	11.9	53.9	57.8	121	106	6.57	5.77

See footnotes at end of table.

No. 1405. Vital Statistics, 1988, and Projections, 2000—Selected Countries—Continued

[See headnote p. 817]

COUNTRY	Region	CRUDE BIRTH RATE [1] [2]		CRUDE DEATH RATE [1] [2]		EXPECTATION OF LIFE AT BIRTH (yrs.)		INFANT MORTALITY RATE [3]		TOTAL FERTILITY RATE [2]	
		1988	2000	1988	2000	1988	2000	1988	2000	1988	2000
Peru	SAM	34.3	28.2	9.2	7.0	61.5	66.3	88	69	4.46	3.50
Philippines	SAS	34.8	30.4	6.9	5.9	65.6	68.7	49	37	4.66	4.12
Poland	EUR	16.6	13.8	10.4	10.3	70.2	71.8	21	17	2.27	1.90
Portugal	EUR	14.5	12.8	9.5	9.6	74.1	76.1	16	11	1.83	1.70
Puerto Rico	CAR	18.8	17.4	6.5	6.2	74.9	78.0	17	13	2.13	2.05
Romania	EUR	16.0	14.3	10.6	10.7	70.2	71.7	25	20	2.25	1.90
Rwanda	AFR	53.2	47.9	15.9	11.5	50.9	56.3	119	91	8.49	7.85
Saudi Arabia	SAS	38.2	35.4	7.1	4.9	64.1	70.6	76	51	6.88	6.46
Senegal	AFR	46.0	43.8	15.6	11.9	51.6	57.1	98	82	6.60	6.00
Somalia	AFR	47.0	41.9	15.3	11.1	52.2	58.8	131	100	7.29	6.85
South Africa	AFR	31.8	26.9	9.4	7.7	61.1	65.3	65	47	4.12	3.42
South Korea	EAS	20.5	17.4	6.3	6.1	69.0	72.4	25	15	2.22	2.11
Soviet Union	SOV	18.8	16.2	10.6	9.4	68.9	73.2	25	15	2.45	2.27
Spain	EUR	13.1	12.8	8.3	9.2	77.1	78.5	11	8	1.74	1.70
Sri Lanka	SAS	22.4	19.0	5.8	5.7	70.4	73.4	28	19	2.57	2.22
Sudan	AFR	44.4	38.7	14.4	10.7	52.4	57.8	101	76	6.52	5.92
Sweden	EUR	11.7	10.8	11.5	11.9	77.3	78.6	6	5	1.73	1.70
Switzerland	EUR	11.5	10.4	9.5	10.7	78.0	78.5	6	5	1.55	1.70
Syria	SAS	43.6	40.9	6.3	4.2	67.5	72.1	42	30	6.85	6.00
Tanzania	AFR	49.9	46.0	16.3	12.0	50.6	56.1	111	86	7.09	6.30
Thailand	SAS	24.6	20.2	7.4	6.8	64.8	68.4	52	38	2.60	2.29
Tunisia	AFR	29.3	23.9	6.4	5.1	68.9	72.6	46	29	4.06	3.01
Turkey	SAS	30.4	23.9	8.5	6.5	63.7	68.8	83	54	3.84	2.90
Uganda	AFR	49.0	44.9	15.7	11.6	49.6	55.0	101	77	7.02	6.32
United Kingdom	EUR	13.5	11.2	11.8	11.2	75.1	76.9	9	6	1.77	1.70
Venezuela	SAM	30.6	25.4	5.5	5.4	69.4	71.2	39	34	3.76	3.13
Vietnam	SAS	33.7	26.8	8.1	5.9	63.4	69.1	53	33	4.36	3.27
West Germany	EUR	10.6	10.3	11.7	11.7	75.8	77.2	8	5	1.37	1.70
Yemen (Sanaa)	SAS	52.5	50.2	18.2	13.2	47.7	54.0	135	101	7.71	7.00
Yugoslavia	EUR	15.5	13.6	9.2	9.7	71.6	73.0	26	21	2.03	1.90
Zaire	AFR	44.9	40.8	14.2	10.6	52.2	57.6	109	82	6.23	5.80
Zambia	AFR	49.6	43.9	12.5	9.1	55.1	60.4	85	63	7.00	6.30
Zimbabwe	AFR	47.0	42.2	9.6	6.3	60.1	65.4	70	47	6.53	5.74

[1] Per 1,000 population. [2] For definition, see headnote, table 1402. [3] Number of deaths of children under 1 year of age per 1,000 live births in a calendar year.

Source: U.S. Bureau of the Census, unpublished data.

No. 1406. Population of the World's 100 Largest Urban Areas, 1960 to 1985, and Projections, 1990 and 2000

[In millions. The 100 largest cities are large urban agglomerations, composed, in most cases, of the central city, adjacent smaller cities and towns, and suburbs. City boundaries depend on local administrative boundaries, population densities, types of economic activity and other characteristics. Rankings depend on the population living within the urban agglomeration boundaries as determined by local and national governments. Rankings would not necessarily be the same if uniform criteria were used. The estimates for the Chinese cities should be considered tentative]

CITIES RANKED BY POPULATION SIZE, 1985	1960	1970	1975	1980	1985	1990, proj.	2000, proj.
Tokyo/Yokohama, Japan	10.7	14.9	16.4	17.7	19.0	20.5	21.3
Mexico City, Mexico	4.9	8.7	11.1	14.0	16.7	19.4	24.4
New York, U.S.	14.2	16.2	15.9	15.6	15.6	15.7	16.1
Sao Paulo, Brazil	4.7	8.1	10.1	12.5	15.5	18.4	23.6
Shanghai, China: Mainland	10.7	11.4	11.6	11.8	12.1	12.6	14.7
Buenos Aires, Argentina	6.7	8.3	9.1	9.9	10.8	11.6	13.1
London, England	10.7	10.6	10.4	10.4	10.5	10.6	10.8
Calcutta, India	5.5	6.9	7.9	9.0	10.3	11.8	15.9
Rio De Janeiro, Brazil	4.9	7.0	8.0	9.0	10.1	11.1	13.0
Seoul, South Korea	2.4	5.3	6.8	8.3	10.1	11.3	13.0
Los Angeles, U.S.	6.5	8.4	8.9	9.5	10.0	10.5	16.0
Osaka/Kobe, Japan	5.8	7.6	8.0	8.7	9.6	10.5	11.2
Greater Bombay, India	4.1	5.8	6.9	8.1	9.5	11.1	15.4
Beijing, China: Mainland	7.3	8.3	8.9	9.1	9.3	9.7	11.5
Moscow, Soviet Union	6.3	7.1	7.6	8.2	8.9	9.4	10.1
Paris, France	7.2	8.3	8.6	8.7	8.8	8.8	8.8
Tianjin, China: Mainland	6.0	6.9	7.4	7.7	8.0	8.4	10.0
Cairo/Giza, Egypt	3.7	5.3	6.1	6.9	7.9	9.1	11.8
Jakarta, Indonesia	2.7	4.3	5.3	6.4	7.8	9.4	13.2
Milan, Italy	4.5	5.5	6.1	6.8	7.5	7.9	8.7

See footnotes at end of table.

No. 1406. Population of the World's 100 Largest Urban Areas, 1960 to 1985, and Projections, 1990 and 2000–Continued

[See headnote p. 818]

Cities Ranked By Population Size, 1985	1960	1970	1975	1980	1985	1990, proj.	2000, proj.
Teheran, Iran	1.9	3.3	4.3	5.6	7.2	9.2	13.7
Manila/Quezon, Philippines	2.3	3.5	5.0	6.0	7.1	8.4	11.5
Delhi, India	2.3	3.5	4.4	5.5	7.0	8.6	12.8
Chicago, U.S.	6.0	6.7	6.8	6.8	6.8	6.9	7.0
Karachi, Pakistan	1.9	3.1	4.0	5.0	6.2	7.7	11.6
Bangkok, Thailand	2.2	3.1	3.8	4.8	5.9	7.2	10.3
Lagos, Nigeria	.8	2.0	3.3	4.5	5.8	7.6	12.5
Lima—Callo, Peru	1.7	2.8	3.6	4.4	5.4	6.5	8.8
Hong Kong, Hong Kong	2.6	3.4	3.9	4.5	5.2	5.4	6.1
Leningrad, Soviet Union	3.5	4.0	4.3	4.7	5.1	5.4	5.8
Madras, India	1.7	3.0	3.6	4.2	4.9	5.7	7.9
Madrid, Spain	2.2	3.4	3.8	4.3	4.8	5.1	5.4
Dacca, Bangladesh	.7	1.5	2.3	3.3	4.8	6.4	11.3
Bogota, Colombia	1.3	2.4	3.1	3.9	4.7	5.6	6.9
Baghdad, Iraq	1.0	2.1	2.7	3.5	4.4	5.4	7.7
Naples, Italy	3.2	3.6	3.8	4.0	4.3	4.3	4.5
Santiago, Chile	2.0	2.8	3.2	3.7	4.2	4.7	5.6
Philadelphia, U.S.	3.6	4.0	4.1	4.1	4.2	4.2	4.3
Shenyang, China	2.5	3.1	3.5	3.8	4.1	4.5	5.5
Pusan, South Korea	1.2	1.8	2.4	3.1	4.0	4.8	5.8
Detroit, U.S.	3.6	4.0	3.9	3.8	3.8	3.9	3.9
Bangalore, India	1.2	1.6	2.1	2.8	3.7	4.9	7.7
Rome, Italy	2.3	3.1	3.3	3.5	3.7	3.7	3.8
Sydney, Australia	2.1	2.7	3.0	3.3	3.6	3.8	4.1
Caracas, Venezuela	1.3	2.1	2.5	2.9	3.5	4.0	4.8
Wuhan, China: Mainland	2.2	2.7	3.0	3.2	3.4	3.7	4.5
Lahore, Pakistan	1.3	2.0	2.4	2.9	3.4	4.1	5.9
Katowice, Poland	2.4	2.8	2.9	3.2	3.4	3.6	3.9
Guangzhou, China: Mainland	1.9	2.5	2.8	3.1	3.3	3.6	4.5
San Francisco, U.S.	2.4	3.0	3.1	3.2	3.3	3.4	3.5
Barcelona, Spain	2.0	2.7	2.9	3.1	3.3	3.3	3.4
Belo Horizonte, Brazil	.9	1.6	2.0	2.5	3.2	3.8	5.0
Toronto, Canada	1.7	2.5	2.8	3.0	3.2	3.3	3.6
Melbourne, Australia	1.9	2.3	2.6	2.8	3.0	3.1	3.3
Birmingham, United Kingdom	2.7	2.8	2.9	2.9	3.0	3.0	3.1
Ahmedabad, India	1.2	1.7	2.0	2.5	3.0	3.6	5.1
Hyderabad, India	1.2	1.8	2.1	2.5	2.9	3.5	4.9
Istanbul, Turkey	1.5	2.8	2.9	2.9	2.9	3.0	3.3
Ankara, Turkey	.6	1.3	1.7	2.2	2.9	3.6	5.2
Washington, D.C., U.S.	1.8	2.5	2.6	2.8	2.9	3.0	3.2
Alexandria, Egypt	1.5	2.0	2.2	2.5	2.9	3.3	4.3
Montreal, Canada	2.0	2.7	2.8	2.8	2.9	2.9	2.9
Houston, U.S.	1.2	1.7	2.0	2.4	2.9	3.2	3.6
Ho Chi Minh Village, Viet Nam	1.3	2.0	2.2	2.5	2.8	3.2	4.4
Athens, Greece	1.8	2.1	2.3	2.5	2.8	2.9	3.2
Chongqing, China: Mainland	2.2	2.5	2.6	2.7	2.7	2.9	3.4
Rangoon, Burma	1.0	1.4	1.8	2.2	2.7	3.2	4.5
Boston, U.S.	2.4	2.7	2.7	2.7	2.7	2.7	2.8
Alger, Algeria	.9	1.2	1.6	2.1	2.7	3.4	5.2
Chengdu, China: Mainland	1.1	1.6	2.0	2.4	2.7	3.1	4.0
Casablanca, Morocco	1.1	1.5	1.8	2.2	2.7	3.3	4.6
Porto Alegre, Brazil	1.0	1.5	1.8	2.2	2.7	3.1	3.9
Recife, Brazil	1.2	1.8	2.0	2.3	2.7	3.0	3.6
Dallas, U.S.	1.2	2.0	2.2	2.5	2.7	2.9	3.1
Guadalajara, Mexico	.9	1.5	1.9	2.3	2.7	3.1	3.9
Harbin, China	1.6	2.0	2.2	2.4	2.6	2.9	3.6
Kiev, Soviet Union	1.2	1.7	1.9	2.2	2.6	2.9	3.4
Kinshasa, Zaire	.5	1.4	1.8	2.2	2.6	3.0	4.4
Singapore, Singapore	1.2	1.6	1.9	2.4	2.6	2.7	3.0
Manchester, United Kingdom	2.5	2.5	2.5	2.5	2.5	2.6	2.6
Tiebei, China	1.0	1.5	1.8	2.2	2.5	2.9	3.8
Monterrey, Mexico	.9	1.2	1.6	2.0	2.4	2.9	3.8
Zibo, China	.8	1.3	1.7	2.0	2.4	2.8	3.8
Turin, Italy	1.3	1.6	1.8	2.1	2.3	2.5	2.8
Surabaja, Indonesia	1.0	1.5	1.7	2.0	2.3	2.7	3.7
Xian, China	1.3	1.7	2.0	2.1	2.3	2.5	3.1
Hamburg, West Germany	2.1	2.2	2.2	2.2	2.2	2.2	2.2
Bucuresti, Romania	1.4	1.7	1.9	2.1	2.2	2.3	2.6
Liupanshui, China	1.2	1.7	1.9	2.0	2.2	2.4	3.0
Munich, West Germany	1.3	1.7	1.9	2.1	2.2	2.3	2.3
Salvador, Brazil	.7	1.1	1.4	1.8	2.2	2.6	3.4
Nanjing, China	1.5	1.8	1.9	2.1	2.2	2.3	2.8
Tashkent, Soviet Union	1.0	1.4	1.6	1.9	2.1	2.3	2.7
Kitakyushu, Japan	1.3	1.6	1.7	1.9	2.1	2.3	2.4
West Berlin, West Germany	2.2	2.1	2.1	2.1	2.1	2.1	2.1
Budapest, Hungary	1.8	2.0	2.1	2.1	2.1	2.1	2.2
Leeds—Bradford, United Kingdom	1.9	2.0	2.0	2.0	2.1	2.1	2.1
Medan, Indonesia	.5	.6	.9	1.3	2.1	3.0	5.4
Nagoya, Japan	1.5	1.9	1.9	2.0	2.1	2.1	2.1
Poona, India	.7	1.1	1.3	1.6	2.0	2.4	3.6

Source: United Nations, Dept. for International Economic and Social Affairs, New York, NY, *The Prospects of World Urbanization: Revised as of 1984–1985*, forthcoming.

No. 1407. Death Rates by Selected Causes—Selected Countries

[**Age-standardized death rate per 100,000 population.** For explanation of age-adjustment, see text, section 2. The standard population for this table is the European standard; see source for details. Deaths classified according to ninth revision of *International Classification of Diseases;* see text, section 2]

COUNTRY	Year	Ischemic heart disease	Cerebrovascular disease	MALIGNANT NEOPLASM OF— Lung, trachea, bronchus	MALIGNANT NEOPLASM OF— Stomach	MALIGNANT NEOPLASM OF— Female breast [1]	Bronchitis,[2] emphysema, asthma	Chronic liver disease and cirrhosis	Motor vehicle traffic accidents	Suicide
United States	1984	218.1	60.1	52.7	6.0	31.9	8.3	12.9	18.1	12.4
Australia	1985	230.9	95.6	41.0	10.1	30.0	16.9	8.7	17.9	11.8
Austria	1986	155.1	133.2	34.3	20.7	31.6	22.3	26.6	17.3	28.7
Belgium	1984	120.6	95.0	55.9	14.7	36.8	22.6	12.4	18.7	22.7
Bulgaria	1985	245.9	254.5	30.6	24.2	21.5	28.6	16.2	12.0	15.6
Canada	1985	200.6	57.5	50.6	9.0	34.5	9.7	10.1	15.3	12.8
Czechoslovakia	1985	289.4	194.3	51.3	22.4	27.3	33.8	19.6	10.9	18.8
Denmark	1985	243.8	73.4	52.2	10.9	39.7	37.1	12.2	14.0	28.9
Finland	1986	259.8	105.0	36.4	17.3	23.9	19.8	8.8	11.9	28.3
France	1985	76.0	79.7	32.2	10.8	27.1	11.7	22.9	17.3	21.8
Hungary	1986	240.1	186.5	55.0	25.9	31.2	43.8	42.1	15.7	44.1
Italy	1983	128.9	121.9	42.1	23.9	28.9	30.9	31.5	16.6	7.3
Japan	1986	41.9	112.8	24.9	40.7	8.1	12.2	14.4	10.1	21.1
Netherlands	1985	164.6	71.1	56.3	15.6	38.2	17.8	5.5	9.2	11.2
New Zealand	1985	250.5	98.4	42.0	11.2	37.7	25.8	4.8	20.9	10.8
Norway	1985	208.5	88.6	26.3	14.4	25.9	18.2	6.9	9.7	14.2
Poland	1986	109.4	75.3	47.2	24.2	21.1	33.4	12.0	14.3	13.8
Portugal	1986	76.6	216.4	18.7	26.5	22.6	17.8	30.0	24.4	8.4
Spain	1981	79.0	133.9	26.0	19.7	19.0	19.1	23.3	15.4	4.8
Sweden	1985	244.7	73.0	23.2	12.5	26.0	14.3	6.4	9.2	17.2
Switzerland	1986	112.0	55.6	36.6	12.0	35.6	17.5	10.4	14.8	21.4
United Kingdom:										
England and Wales	1985	247.6	104.5	57.2	15.2	41.9	24.2	4.8	8.8	8.8
Scotland	1986	286.0	128.4	68.7	14.9	41.2	14.8	7.3	11.1	10.9
West Germany	1986	159.5	100.4	34.6	18.3	32.6	26.1	19.3	12.5	17.0

[1] Data for female population only. [2] Chronic and unspecified.

Source: World Health Organization, Geneva, Switzerland, *World Health Statistics,* annual.

No. 1408. Suicide Rates for Selected Countries, by Sex and Age Group

[**Rate per 100,000 population.** Includes deaths resulting indirectly from self-inflicted injuries. Except as noted, deaths classified according to the ninth revision of the *International Classification of Diseases* (I.C.D.); see text, section 2]

SEX AND AGE	United States, 1984	Australia, 1985	Austria, 1986	Canada, 1985	Denmark,[1] 1985	France, 1985	Italy, 1983	Japan, 1986	Netherlands, 1985	Poland, 1986	Sweden,[1] 1985	United Kingdom,[2] 1985	West Germany, 1986
MALE													
Total [3]	**19.7**	**18.2**	**42.1**	**20.5**	**35.1**	**33.1**	**11.0**	**27.8**	**14.6**	**22.0**	**25.0**	**12.1**	**28.6**
15–24 yrs. old	20.5	24.0	31.0	25.2	17.0	17.0	5.2	14.1	10.6	17.5	14.3	8.2	17.7
25–34 yrs. old	24.9	26.6	48.6	27.0	38.7	35.2	8.4	25.1	17.6	29.3	32.0	15.3	25.3
35–44 yrs. old	22.6	22.5	53.3	24.7	38.5	36.5	9.1	31.6	16.1	33.5	29.0	16.3	28.5
45–54 yrs. old	23.7	21.5	54.2	26.4	56.6	45.4	14.8	51.0	20.0	36.7	39.3	17.1	35.6
55–64 yrs. old	27.2	22.0	52.5	26.5	55.3	48.0	18.4	44.8	21.0	35.9	32.7	18.1	38.7
65–74 yrs. old	33.5	24.8	72.8	28.5	57.7	61.4	29.7	43.9	26.1	30.6	36.2	16.9	44.7
75 yrs. old and over	49.1	27.4	106.5	28.4	83.4	120.5	47.9	78.8	41.0	29.3	45.3	22.3	72.8
FEMALE													
Total [3]	**5.4**	**5.1**	**15.8**	**5.4**	**20.6**	**12.7**	**4.3**	**14.9**	**8.1**	**4.4**	**11.6**	**5.7**	**12.0**
15–24 yrs. old	4.4	4.9	9.7	4.0	6.1	4.7	1.3	6.0	3.1	2.7	7.6	1.8	5.3
25–34 yrs. old	6.1	4.7	14.3	6.6	14.3	10.6	3.3	11.6	9.3	5.3	13.2	4.4	8.1
35–44 yrs. old	7.7	6.1	18.5	8.0	28.6	14.6	3.7	12.8	9.9	5.8	15.5	5.4	10.5
45–54 yrs. old	9.2	8.7	20.2	9.0	34.0	17.7	5.6	18.4	12.5	8.4	14.6	9.2	14.8
55–64 yrs. old	8.5	8.3	18.9	8.0	41.5	20.8	8.3	20.2	14.6	7.6	13.8	10.5	16.5
65–74 yrs. old	7.3	7.6	29.0	7.8	34.1	26.8	10.1	33.0	15.5	6.6	20.1	11.9	23.6
75 yrs. old and over	6.0	9.7	31.5	5.3	24.6	27.5	11.0	59.1	10.8	5.5	14.0	10.1	24.8

[1] Based on the eighth revison of the I.C.D. [2] England and Wales only. [3] Includes other age groups not shown separately.

Source: World Health Organization, Geneva, Switzerland, *World Health Statistics,* annual; and unpublished data.

No. 1409. HEALTH EXPENDITURES—SELECTED COUNTRIES: 1980 AND 1986

[G.D.P.=gross domestic product; for explanation, see text, section 14. For explanation of purchasing power parities, see text, section 31]

COUNTRY	TOTAL HEALTH EXPENDITURES: Percent of G.D.P., 1980	TOTAL HEALTH EXPENDITURES: Percent of G.D.P., 1986	TOTAL HEALTH EXPENDITURES: Per capita, 1986 on basis of—, Exchange rates	TOTAL HEALTH EXPENDITURES: Per capita, 1986 on basis of—, G.D.P. purchasing power parities	PUBLIC HEALTH EXPENDITURES, 1986—: Percent of gross domestic product	PUBLIC HEALTH EXPENDITURES, 1986—: Percent of total health expenditures[1]
United States	9.2	11.1	$1,926	$1,926	4.5	40.8
Australia	6.6	6.8	760	877	5.0	73.0
Austria	7.9	8.0	996	903	5.3	68.1
Belgium	6.6	7.1	833	826	5.5	76.9
Canada	7.4	8.5	1,206	1,370	6.5	76.0
Denmark	6.8	6.1	990	800	5.2	83.9
Finland	6.3	7.5	1,070	900	5.8	77.3
France	7.4	8.5	1,112	1,039	6.7	79.2
Greece	4.2	3.9	157	245	3.7	94.8
Iceland	6.9	7.5	1,201	1,072	6.3	83.3
Ireland	8.5	7.9	550	549	7.0	87.6
Italy	6.8	6.7	702	764	5.2	78.0
Japan	6.6	6.7	1,089	831	4.9	72.9
Luxembourg	6.1	6.9	928	968	6.3	90.7
Netherlands	8.2	8.3	1,003	984	6.6	78.7
New Zealand	7.2	6.9	576	715	5.6	81.1
Norway	6.6	6.8	1,143	1,021	6.6	97.3
Portugal	5.9	5.6	158	310	4.0	71.2
Spain	5.9	6.0	358	486	4.3	71.5
Sweden	9.5	9.1	1,428	1,195	8.3	90.9
Switzerland	7.2	8.0	1,649	1,217	5.4	67.7
United Kingdom	5.8	6.2	597	711	4.5	86.2
West Germany	7.9	8.1	1,182	1,031	6.3	75.1

[1] Preliminary estimates.

Source: Schieber, George J. and Jean-Pierre Poullier, "International Health Care Expenditure and Utilization Trends", *Health Affairs*, Fall 1988.

No. 1410. PUBLIC EXPENDITURE FOR EDUCATION AND ILLITERACY, BY SELECTED COUNTRY

[Expenditure: Includes both capital and current expenditures on public education and subsidized private education. **Illiteracy:** Defined as inability both to read and write in any, or a specified, language. See text, section 31, for general comments concerning the data. For additional qualifications for individual countries, see source]

COUNTRY	PUBLIC EXPENDITURE FOR EDUCATION: Year	PUBLIC EXPENDITURE FOR EDUCATION: Percent of total public expenditure	PUBLIC EXPENDITURE FOR EDUCATION: Percent of gross national product	Percent of adult population illiterate,[1] 1985
United States	1983	(NA)	6.7	(NA)
Afghanistan	1982	6.4	(NA)	76.3
Algeria	1986	[2] 14.6	[2] 6.1	50.4
Argentina	1986	[3] 7.5	[3] 1.8	4.5
Australia	1985	12.8	6.4	(NA)
Bangladesh	1986	[3] 10.5	[3] 2.1	66.9
Brazil	1985	[4] 17.2	[4] 3.3	22.3
Burma	1977	12.2	1.6	(NA)
Canada	1986	15.5	7.7	(NA)
Chile	1985	15.3	4.5	[8] 5.6
China: Mainland	1986	(NA)	2.3	30.7
Colombia	1986	[3] 24.7	[3] 2.9	11.9
Czechoslovakia	1986	8.1	[6] 5.2	(NA)
East Germany	1986	(NA)	[6] [7] 5.5	(NA)
Egypt	1985	11.5	5.5	55.5
Ethiopia	1986	9.9	3.9	[5] [8] 44.8
France	1984	(NA)	6.1	(NA)
Ghana	1986	(NA)	[9] 3.4	46.8
Hungary	1986	6.4	5.7	(NA)
India	1985	9.4	3.6	56.5
Indonesia	1981	9.3	2.0	25.9
Iran	1986	19.5	(NA)	49.2
Iraq	1985	(NA)	3.8	[5] [10] 10.7
Italy	1986	[3] 8.6	[3] 4.7	[8] 3.0
Japan	1985	17.9	5.1	(NA)
Kenya	1985	(NA)	6.7	40.8
Malaysia	1986	(NA)	7.8	26.6
Mexico	1986	(NA)	[3] 2.1	[8] 9.7
Morocco	1983	22.0	7.9	66.9
Nepal	1985	10.8	3.0	74.4
Netherlands	1984	16.8	6.9	(NA)
Nigeria	1986	[11] 12.0	[11] 1.8	57.6
Pakistan	1985	(NA)	2.1	70.4
Peru	1986	[3] 15.7	[3] 1.7	15.2
Philippines	1986	(NA)	1.7	14.3
Poland	1986	[7] 11.5	[6] [7] 3.8	(NA)
Portugal	1986	(NA)	4.4	[8] 16.0
Romania	1985	(NA)	2.1	(NA)
Saudi Arabia	1986	11.2	10.6	(NA)
South Korea	1986	27.3	4.5	(NA)
Soviet Union	1986	(NA)	[6] 7.0	(NA)
Spain	1986	13.3	3.2	5.6
Sri Lanka	1986	9.4	3.5	12.9
Sudan	1985	[7] 15.0	[7] 4.2	(NA)
Syria	1986	(NA)	6.6	40.0
Tanzania	1985	[3] 19.0	[3] 4.3	(NA)
Thailand	1985	(NA)	3.9	9.0
Turkey	1986	(NA)	2.1	[8] 25.8
Uganda	1983	(NA)	2.7	42.7
United Kingdom	1984	11.3	5.2	(NA)
Venezuela	1985	21.3	6.8	11.4
West Germany	1985	9.2	4.6	(NA)
Yugoslavia	1986	(NA)	3.8	8.8
Zaire	1980	[7] 32.3	[7] 3.4	38.8
Zimbabwe	1985	16.0	7.9	26.0

NA Not available. [1] Population, 15 years old and over. Estimated by source, except as noted. [2] Expenditure of the Ministry of Basic and Secondary Education only. [3] Ministry of Education expenditures only. [4] Excludes expenditures of municipalities. [5] Estimates made by country itself. [6] Percent of net material product. [7] Current expenditures only. [8] Population, 10 years old and over. [9] Excludes expenditures on universities. [10] Population, 15–45 years old. [11] Federal government expenditures only.

Source: United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook* (copyright).

NO. 1411. GROSS NATIONAL PRODUCT IN CURRENT AND CONSTANT (1984) DOLLARS AND PER CAPITA: 1975 TO 1985

[In billions of dollars, except per capita. For explanation of conversion to U.S. dollars, see headnote, table 1449. For explanation of gross national product (GNP), see text, section 14]

COUNTRY	CURRENT DOLLARS						CONSTANT (1984) DOLLARS				
	1975	1980	1982	1983	1984	1985	1975	1980	1985	Per capita	
										1975	1980
United States	1,598.0	2,732.0	3,166.0	3,406.0	3,772.0	4,010.0	2,903.0	3,434.0	3,887.0	13,440	[illegible]
Afghanistan	2.1	3.3	[1] 3.8	[1] 3.8	[1] 3.7	[1] 3.5	3.8	4.2	[1] 3.4	[illegible]	278
Algeria	16.7	33.4	42.5	46.8	51.3	54.9	30.3	41.9	53.2	1,875	2,225
Argentina	40.6	64.7	64.2	68.0	72.4	71.6	73.7	81.4	69.4	2,830	2,882
Austria	27.6	48.1	56.9	61.1	63.8	67.7	50.2	60.5	65.6	6,642	8,015
Bangladesh	5.2	9.6	12.0	12.9	14.0	15.0	9.4	12.1	14.5	123	137
Belgium	36.7	60.6	70.4	73.1	77.0	80.6	66.6	76.1	78.1	6,797	7,731
Brazil	81.1	160.9	182.8	182.4	197.5	220.6	147.3	202.3	213.8	1,355	1,642
Bulgaria	28.1	42.8	52.8	53.9	57.8	57.8	51.0	53.8	56.0	5,850	6,079
Burma	2.1	4.0	5.3	5.7	6.3	6.9	3.8	5.1	6.7	124	152
Canada	142.5	240.0	276.1	296.1	322.5	346.1	258.9	301.6	335.4	11,390	12,530
Chile	7.4	15.3	15.4	16.0	17.2	18.6	13.4	19.3	18.0	1,309	1,738
China:											
Mainland [1]	94.7	179.0	236.5	270.0	319.6	358.9	172.1	225.0	357.5	187	[illegible]
Taiwan	14.7	35.2	44.9	50.3	57.9	[1] 62.2	26.8	44.3	[1] 60.3	1,661	2,489
Colombia	14.6	27.8	33.0	34.7	36.7	38.7	26.5	34.9	37.5	1,100	1,316
Czechoslovakia	61.7	99.5	117.6	124.0	131.9	136.8	112.0	125.0	132.6	7,584	8,197
East Germany	77.1	125.3	148.4	157.3	167.9	177.4	140.0	157.5	171.9	8,309	9,412
Egypt	12.3	27.8	36.0	39.3	41.6	44.4	22.3	34.9	43.0	602	827
Ethiopia	2.1	3.5	4.3	4.6	4.7	4.5	3.8	4.4	4.4	106	115
France	220.4	375.4	446.7	465.3	487.9	508.5	400.3	471.9	492.8	7,588	8,759
Ghana	4.3	6.4	6.7	6.7	7.6	8.1	7.7	8.1	7.9	771	745
Greece	14.8	26.6	30.6	31.6	33.5	35.0	26.8	33.4	33.9	2,965	3,461
Hungary	37.4	59.9	72.9	74.9	79.9	80.6	68.0	75.3	78.1	6,454	7,031
India	67.8	117.1	148.9	166.6	179.1	196.5	123.1	147.1	190.5	198	214
Indonesia	25.5	52.9	69.2	73.9	81.3	86.2	46.3	66.5	83.5	336	429
Iran [1]	76.4	116.2	143.7	151.7	163.4	164.2	138.8	146.0	159.1	4,160	3,729
Iraq [1]	18.9	54.1	34.4	34.2	37.5	37.9	34.3	67.9	36.8	3,085	5,147
Italy	155.3	272.5	313.9	325.6	347.2	366.4	282.0	342.4	355.1	5,075	6,066
Japan	458.5	850.5	1,067.0	1,145.0	1,256.0	1,361.0	832.8	1,069.0	1,319.0	7,464	9,151
Kenya	2.2	4.1	5.1	5.5	5.7	6.2	4.0	5.2	6.0	294	311
Madagascar	1.4	2.1	2.2	2.2	2.2	2.3	2.5	2.7	2.3	330	309
Malaysia	9.4	20.3	26.6	28.7	31.7	32.4	17.0	25.6	31.4	1,365	1,857
Mexico	64.0	125.3	150.0	148.5	161.3	173.4	116.2	157.4	168.1	1,890	2,245
Morocco	4.4	8.3	10.1	10.7	11.3	12.0	8.0	10.4	11.6	[illegible]	507
Mozambique	[1] 2.0	3.0	3.3	2.9	2.5	2.2	[1] 3.7	3.7	2.1	[illegible]	308
Nepal	1.0	1.7	2.2	2.3	2.5	2.7	1.9	2.1	2.6	[illegible]	143
Netherlands	58.9	97.1	110.9	117.1	124.1	130.7	107.0	122.0	126.7	7,837	8,625
Nigeria	43.6	75.6	79.8	78.7	77.8	79.4	79.2	95.0	77.0	1,027	1,055
North Korea [1]	9.0	15.5	20.5	21.6	23.0	24.3	16.4	19.5	23.6	1,031	1,089
Pakistan	10.7	21.3	27.8	31.1	33.7	37.4	19.5	26.8	36.3	261	315
Peru	10.2	16.3	19.9	17.8	19.2	20.1	18.5	20.5	19.5	1,223	1,184
Philippines	12.9	25.3	31.0	32.6	31.5	31.3	23.5	31.8	30.3	528	624
Poland	122.1	183.3	200.3	218.4	235.0	245.6	221.8	230.4	238.0	6,529	6,476
Portugal	8.1	14.7	17.3	18.1	18.1	19.4	14.7	18.5	18.8	1,562	1,892
Romania	50.6	88.9	106.0	110.3	121.3	126.6	91.9	111.8	122.7	4,325	5,034
South Africa	31.5	52.2	63.5	64.5	70.4	71.6	57.2	65.6	69.3	2,247	2,251
South Korea	23.4	48.1	63.0	73.3	82.4	89.4	42.4	60.4	86.6	1,157	1,585
Soviet Union	937.0	1,541.0	1,868.0	1,991.0	2,091.0	2,197.0	1,702.0	1,937.0	2,129.0	6,689	7,270
Spain	73.6	116.5	137.0	145.1	153.8	162.9	133.6	146.5	157.8	3,758	3,907
Sri Lanka	2.1	3.9	4.9	5.4	5.9	6.3	3.8	4.9	6.1	276	327
Sudan	3.7	6.4	8.0	8.6	8.3	7.3	6.6	8.1	7.1	414	427
Sweden	46.2	70.4	81.4	86.4	93.0	98.0	83.9	88.5	95.0	10,240	10,640
Switzerland	45.9	72.8	85.7	89.9	96.2	103.2	83.4	91.5	100.0	13,020	14,330
Syria	7.4	14.0	18.0	19.1	19.1	19.8	13.4	17.6	19.2	1,820	2,020
Tanzania	2.6	4.3	5.0	5.2	5.4	5.7	4.8	5.5	5.5	302	290
Thailand	13.1	26.5	33.6	37.1	40.3	43.0	23.8	33.3	41.7	564	710
Turkey	19.7	32.2	40.8	44.0	48.2	52.5	35.8	40.4	50.9	883	896
Uganda	2.8	3.1	4.2	4.6	5.0	(NA)	5.1	3.9	(NA)	456	309
United Kingdom	206.7	321.1	373.8	404.2	428.8	460.4	375.4	403.6	446.2	6,679	7,167
Venezuela	24.8	42.3	47.9	46.3	48.1	48.9	45.1	53.2	47.4	3,562	3,542
West Germany	276.2	477.0	549.1	577.9	616.0	649.9	501.8	599.5	629.9	8,115	9,738
Yugoslavia	18.2	34.9	40.9	42.0	44.3	45.9	33.1	43.9	44.5	1,552	1,966
Zaire	2.7	3.7	4.3	4.4	4.4	4.7	4.8	4.6	4.6	208	174

NA Not available. [1] Estimated.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual. Data fro International Bank for Reconstruction and Development and U.S. Central Intelligence Agency.

NO. 1412. ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)—GROSS NATIONAL PRODUCT, 1980 TO 1987, AND CHANGE, 1980–1985 AND 1985–1987

[For interpretation of the absolute levels of GNP and per capita GNP, the market exchange rates used in converting national currencies do not necessarily reflect the relative purchasing power in the various countries. As a consequence, it should not be concluded, for instance, that the United Kingdom's individual standard of living in 1987 was only 64 percent of that of the U.S., as the statistics may imply. Minus sign (–) indicates decrease. For explanation of annual percent change, see Guide to Tabular Presentation]

COUNTRY	GROSS NATIONAL PRODUCT (GNP)					GNP PER CAPITA					Inflation rate,[2] 1986–1987 (percent)
	Total in constant (1987) dollars (bil.)[1]			Annual percent change		In constant (1987) dollars[1]			Annual percent change		
	1980	1985	1987	1980–1985	1985–1987	1980	1985	1987	1980–1985	1985–1987	
United States	**3,744.0**	**4,239.1**	**4,488.5**	**2.5**	**2.9**	**16,438**	**17,716**	**18,413**	**1.5**	**1.9**	**3.0**
OECD Europe[3]	**4,244.5**	**4,584.5**	**4,811.3**	**1.5**	**2.4**	**10,780**	**11,380**	**11,830**	**1.1**	**1.9**	**4.8**
Belgium	129.5	133.7	138.5	.6	1.8	13,144	13,555	13,977	.6	1.5	1.4
Denmark	84.3	95.0	97.5	2.4	1.3	16,459	18,597	19,000	2.5	1.1	5.7
France	759.4	818.0	846.0	1.5	1.7	14,094	14,827	15,224	1.0	1.3	2.7
Greece	42.6	45.5	45.9	1.3	.4	4,416	4,584	4,584	.7	–	15.0
Ireland	25.5	25.5	25.6	–	.2	7,488	7,160	7,220	–.8	.3	4.0
Italy	553.3	598.8	632.1	1.6	2.8	9,804	10,460	11,026	1.3	2.5	5.6
Luxembourg	5.3	6.0	6.2	2.5	2.1	14,866	16,108	16,784	1.0	2.1	2.0
Netherlands	195.3	204.8	213.5	.9	2.1	13,812	14,142	14,561	.5	1.5	–1.3
Portugal	29.0	30.5	33.4	1.0	4.7	2,967	3,002	3,229	.2	3.7	11.7
Spain	245.4	262.8	284.0	1.4	4.0	6,538	6,827	7,314	.8	3.5	5.7
United Kingdom	564.0	621.7	666.7	2.0	3.5	10,012	10,981	11,718	1.8	3.3	4.4
West Germany	1,021.6	1,086.0	1,129.9	1.2	2.0	16,595	17,798	18,471	1.4	1.9	2.1
Austria	107.0	115.2	118.3	1.5	1.3	14,177	15,237	15,631	1.4	1.3	2.5
Finland	69.4	80.4	85.1	3.0	2.9	14,508	16,408	17,252	2.5	2.5	4.5
Iceland	3.9	4.1	4.6	.9	5.7	17,048	17,125	18,360	.1	3.5	21.4
Norway	64.1	75.6	80.3	3.4	3.1	15,660	18,210	19,172	3.1	2.6	6.7
Sweden	135.3	148.0	153.7	1.8	1.9	16,280	17,725	18,295	1.7	1.6	5.1
Switzerland	162.6	174.1	181.5	1.4	2.1	25,733	26,907	27,751	.9	1.5	2.3
Turkey	47.0	58.8	67.6	4.6	7.2	1,057	1,193	1,317	2.5	5.1	34.5
Australia	151.9	178.7	188.3	3.3	2.7	10,333	11,340	11,588	1.8	1.1	7.7
Canada	324.0	372.5	399.4	2.8	3.5	13,475	14,687	15,571	1.7	3.0	4.6
Japan	1,833.2	2,225.8	2,359.0	3.9	3.0	15,694	18,433	19,322	3.3	2.4	–.2
New Zealand	29.5	33.7	34.0	2.7	.3	9,476	10,382	10,380	1.8	–.1	14.2

– Represents zero. [1] National currency values converted into dollars by the average 1987 Market Rate, as published by the International Monetary Fund, Washington, DC. [2] GNP or GDP (Gross Domestic Product) implicit price deflators; totals weighted by 1986 (base year) GNP. [3] See text, section 31.

Source: U.S. Department of State, Bureau of Intelligence and Research, *Economic Growth of OECD Countries, 1977–1987,* Report No. IRR 156 (Revised), 1988, and unpublished data.

NO. 1413. GROSS DOMESTIC PRODUCT, TOTAL AND PER CAPITA, USING PURCHASING POWER PARITIES—SELECTED COUNTRIES: 1970 TO 1986

[The goods and services produced in different countries should be valued consistently if the differences observed are meant to reflect real differences in the volumes of goods and services produced. The use of purchasing power parities (PPP) instead of exchange rates is intended to achieve this objective. PPP's show how many units of currency are needed in one country to buy the same amount of goods and services which one unit of currency will buy in the other country. For further explanation of PPP, see text, section 31]

COUNTRY	GROSS DOMESTIC PRODUCT (bil. dol.)						GROSS DOMESTIC PRODUCT PER CAPITA (dollars)					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
United States	**1,009.2**	**1,583.9**	**2,688.5**	**3,722.3**	**3,959.6**	**4,185.5**	**4,922**	**7,334**	**11,804**	**15,705**	**16,548**	**17,324**
OECD Europe[1]	**1,066.2**	**1,727.6**	**2,880.5**	**3,741.6**	**3,986.9**	**4,188.2**	**2,864**	**4,511**	**7,320**	**9,330**	**9,847**	**10,347**
Belgium	26.9	48.0	80.4	101.2	105.9	111.2	2,909	4,899	8,166	10,272	10,741	11,276
Denmark	17.4	26.9	43.9	58.4	62.8	66.7	3,523	5,308	8,563	11,431	12,282	13,030
France	163.2	278.6	472.7	615.6	645.5	676.6	3,215	5,287	8,773	11,203	11,701	12,218
Greece	13.7	24.7	44.1	56.2	58.7	62.1	1,562	2,726	4,572	5,674	6,006	6,224
Ireland	5.5	9.6	17.2	23.0	23.9	24.5	1,852	3,007	5,066	6,509	6,765	6,903
Italy	163.4	258.3	450.3	583.9	618.9	652.7	3,045	4,660	7,982	10,247	10,833	11,406
Luxembourg	1.3	2.1	3.3	4.6	4.9	5.2	3,714	5,733	9,184	12,482	13,361	14,070
Netherlands	45.6	75.0	123.2	155.1	163.7	172.0	3,500	5,487	8,704	10,752	11,296	11,809
Portugal	12.3	21.3	40.0	50.0	53.3	57.0	1,454	2,441	4,303	5,218	5,524	5,868
Spain	73.8	135.5	215.6	277.5	292.1	310.8	2,179	3,816	5,760	7,262	7,613	8,065
United Kingdom	182.1	284.1	445.1	577.5	617.9	652.7	3,273	5,053	7,905	10,224	10,913	11,498
West Germany	207.0	321.8	547.4	698.5	739.2	777.8	3,413	5,204	8,091	11,418	12,114	12,741
Austria	20.6	35.0	59.8	76.9	81.6	85.1	2,757	4,622	7,925	10,183	10,793	11,254
Finland	13.4	22.9	38.4	52.9	56.4	59.3	2,902	4,865	8,032	10,827	11,509	12,059
Iceland	.6	1.2	2.3	3.0	3.2	3.5	2,980	5,316	10,018	12,392	13,163	14,299
Norway	12.1	21.3	38.9	53.5	58.2	62.3	3,113	5,306	9,510	12,923	14,008	14,956
Sweden	31.0	49.4	76.2	100.3	105.7	109.7	3,855	6,035	9,173	12,031	12,655	13,111
Switzerland	30.3	44.3	69.5	87.9	94.3	99.4	4,840	6,919	10,891	13,506	14,439	15,153
Turkey	34.1	67.7	112.2	165.7	179.7	199.7	958	1,679	2,506	3,395	3,606	3,927
Australia	44.4	75.9	124.7	170.8	185.3	193.0	3,465	5,462	8,496	10,979	11,765	12,084
Canada	84.6	153.1	267.9	362.8	380.0	413.5	3,969	6,737	11,131	14,427	15,366	16,105
Japan	291.5	505.2	929.1	1,321.6	1,424.6	1,497.9	2,811	4,531	7,954	11,012	11,798	12,339
New Zealand	9.4	16.1	22.9	31.9	33.1	33.8	3,331	5,231	7,281	9,793	10,106	10,311

[1] See text, section 31.

Source: Organization for Economic Cooperation and Development, Paris, France, *National Accounts of OECD Countries,* vol. I, annual.

NO. 1414. FOOD AND BEVERAGE EXPENDITURES AS A PERCENT OF TOTAL PRIVATE CONSUMPTION EXPENDITURES—SELECTED COUNTRIES: 1984

COUNTRY	Total	Food	Non-alcoholic beverages	Alcoholic beverages
United States	13.0	11.0	.6	1.4
United Kingdom	17.1	14.5	.6	2.0
Canada	17.4	[1] 13.4	[1] .7	3.3
Netherlands	17.6	15.0	.6	2.0
France	20.4	17.9	.5	2.0
Australia	20.8	[1] 15.5	[1] .3	5.0
Austria	21.5	18.5	.6	2.4
Denmark	21.6	17.2	.6	3.8
West Germany	21.6	[1] 17.6	[1] .7	[1] 3.3
Japan	21.8	[1] 19.9	[1] .6	[1] 1.3
Sweden	22.8	18.8	.4	3.6
Belgium	23.3	19.1	1.1	3.1
Norway	24.1	20.0	.9	3.2
Finland	24.6	20.1	.5	4.0
Israel	25.5	23.1	1.8	.6
Switzerland	25.5	20.2	[1] 1.2	[1] 4.1
Italy	27.7	25.6	.3	1.8
Spain [2]	30.7	29.2	.4	1.1
South Africa	32.8	28.4	1.4	3.0
Mexico	35.0	[1] 31.7	[1] 1.1	[1] 2.2
Portugal [3]	35.9	33.1	.2	2.6
Soviet Union [4]	36.6	25.6	[1] 1.0	[1] 10.0
Ireland [2]	37.3	23.8	1.3	12.2
Yugoslavia [5]	37.7	31.2	[1] 1.5	[1] 5.0
South Korea	40.1	36.1	1.0	3.0
Greece	40.4	36.9	1.1	2.4
Hungary [5]	41.4	27.9	[1] 1.5	[1] 12.0
Poland [5]	50.2	36.8	[1] 2.0	[1] 11.4
Philippines	54.1	51.7	[1] .7	[1] 1.7
India	55.9	53.1	1.5	1.3

[1] Estimated. [2] Data for 1982. [3] Data for 1981. [4] Data for 1980. [5] Data for 1983.

Source: U.S. Dept. of Agriculture, Economic Research Service, unpublished data. Based on data from United Nations, New York, NY, *Yearbook of National Accounts Statistics, 1985*, vols. II and III; Organization for Economic Cooperation and Development, Paris, France, *National Accounts*, vol. II, 1972–84; and various country yearbooks.

NO. 1415. PER CAPITA CONSUMPTION OF WHEAT AND RICE—SELECTED COUNTRIES: 1974 TO 1987

[In kilograms per year. Averages of crop years beginning in year shown. Excludes feed use but includes seed and industrial use]

COUNTRY	WHEAT			RICE		
	1974–1976	1979–1981	1987	1974–1976	1979–1981	1987
World	**73.3**	**78.3**	**84.3**	**56.2**	**59.9**	**62.5**
Developed	91.7	90.8	91.7	18.5	18.2	17.7
United States	83.2	84.2	89.8	6.9	8.9	10.5
Western Europe	110.3	109.5	109.8	3.9	4.1	4.6
Japan	49.9	50.3	49.2	94.9	87.4	78.8
South Africa	63.9	62.8	65.5	2.9	4.3	5.6
Centrally planned	99.2	110.9	126.2	66.9	72.9	84.1
Eastern Europe	166.2	168.9	174.8	3.2	3.4	3.5
Soviet Union	233.5	228.6	214.8	5.9	9.1	6.3
China: Mainland	52.8	71.5	96.1	92.7	99.6	114.9
Developing	49.6	54.7	61.9	62.3	65.9	66.4
Latin America	57.6	58.4	56.4	25.9	29.4	30.0
Mexico	45.3	46.1	45.2	5.3	5.2	5.4
Brazil	48.2	52.8	48.3	44.2	49.5	49.6
Developing—Con.						
Middle East	177.4	195.3	190.0	17.7	21.2	20.8
Iraq	163.8	192.9	203.3	24.6	34.9	34.8
Turkey	232.7	265.1	259.4	4.7	4.9	4.8
South Asia	50.1	56.7	68.5	73.1	75.8	74.6
India	43.2	50.0	63.3	68.6	72.5	70.8
Pakistan	120.1	125.2	129.8	25.1	25.5	19.6
Other Asia	14.0	16.1	22.0	132.7	141.3	141.2
Indonesia	6.0	8.5	8.9	116.8	133.9	149.7
Thailand	2.1	4.0	3.7	180.2	171.2	151.0
North Africa	160.6	175.6	178.3	16.0	16.9	14.0
Algeria	174.4	182.5	203.3	.4	1.1	1.1
Egypt	148.3	170.9	160.1	36.5	34.3	28.4
Other Africa	10.7	13.7	15.4	12.9	16.7	14.7
Nigeria	7.0	15.6	3.7	5.2	13.1	8.4
Sudan	27.5	27.9	37.4	.4	.6	.9

Source: U.S. Dept. of Agriculture, Economic Research Service, *World Agriculture, Situation and Outlook Report*, (WAS-47), March 1987 and unpublished data.

NO. 1416. PER CAPITA CONSUMPTION OF BEEF, PORK, AND POULTRY—LEADING COUNTRIES: 1986

[In pounds per capita, except as indicated. Beef, veal and pork quantities are in carcass-weight equivalents; poultry quantities are on ready-to-cook basis]

COUNTRY	BEEF AND VEAL		COUNTRY	PORK		COUNTRY	POULTRY	
	Quantity	Rank		Quantity	Rank		Quantity	Rank
Argentina	183.6	1	Hungary	144.2	1	Saudi Arabia	83.8	1
Uruguay	133.8	2	Denmark	130.3	2	Israel	74.3	2
United States	110.2	3	East Germany	128.3	3	**United States**	73.0	3
Australia	92.8	4	Czechoslovakia	117.5	4	Hong Kong	63.3	4
Canada	90.4	5	West Germany	116.4	5	United Arab Emirates	63.3	5
New Zealand	78.3	6	Austria	113.8	6	Kuwait	58.4	6
France	68.1	7	Belgium-Luxembourg	103.8	7	Canada	57.1	7
Italy	64.6	8	Hong Kong	100.8	8	Australia	50.5	8
Soviet Union	60.4	9	Switzerland	98.8	9	Hungary	48.7	9
Switzerland	60.4	10	Netherlands	94.1	10	Spain	44.5	10
Czechoslovakia	57.1	11	Bulgaria	91.9	11	Venezuela	43.4	11
Belgium-Luxembourg	56.0	12	China: Taiwan	83.8	12	China: Taiwan	43.0	12
Panama	54.5	13	Poland	75.4	13	France	41.0	13
East Germany	54.5	14	France	74.7	14	United Kingdom	38.1	14
West Germany	52.0	15	Singapore	72.5	15	Romania	37.3	15
			United States	**62.8**	**22**			

Source: U.S. Dept. of Agriculture, Foreign Agricultural Service, *World Livestock Situation*, October 1988.

No. 1417. PERCENT OF HOUSEHOLDS OWNING SELECTED APPLIANCES—SELECTED COUNTRIES: 1984

APPLIANCE	United States [1]	France	Italy	Netherlands	Poland	Soviet Union	Spain	Sweden	United Kingdom	West Germany	Yugoslavia
Clothes washer	73	83	92	90	(NA)	55	93	67	83	91	(NA)
Dishwasher	38	22	19	12	1	(NA)	9	26	6	21	(NA)
Freezer (separate)	37	33	39	47	(NA)	(NA)	13	68	[2] 80	53	47
Range:											
Electric	[3] 54	12	5	10	53	(NA)	92	93	40	73	86
Gas	[3] 45	(NA)	(NA)	(NA)	(NA)	(NA)		(NA)	(NA)	(NA)	
Refrigerator	[2] 100	97	86	[2] 96	(NA)	65	[2] 94	[2] 96	56	82	82
Television set:											
Black and white	43	61	75	33	(NA)	38	84	(NA)	14	56	61
Color	88	56	45	84	(NA)		47	86	88	69	

NA Not available. [1] Represents appliances possessed and generally used by the household (as of November). Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1984*, August 1986. [2] Includes refrigerator/freezers. [3] Stove-top burners only. Oven is considered a separate appliance.

Source: Except as noted, Euromonitor Publications Limited, London, England, *European Marketing Data and Statistics*, annual. (Copyright.)

No. 1418. WORLD MOTOR VEHICLE REGISTRATIONS—SELECTED COUNTRIES: 1975 TO 1986

[In millions, except as indicated]

COUNTRY	1975	1980	1986		
			Total vehicles [1]	Cars	
				Number	Persons per car
World, total [2]	**327.9**	**411.1**	**499.7**	**386.3**	**12.0**
United States	133.0	155.9	176.2	135.4	1.8
Brazil	6.7	10.2	11.9	10.8	13.0
Canada	11.0	13.2	14.7	11.5	2.2
China: Mainland	.7	.9	3.6	.8	1,374
France	17.9	21.7	24.4	21.6	2.6
India	1.4	1.5	2.7	1.4	554
Italy	16.3	19.1	23.9	22.0	2.6
Japan	28.1	37.9	48.0	28.7	4.2
Mexico	3.3	4.8	7.5	5.3	15.0
Nigeria	.3	.9	1.4	.8	134
Pakistan	.3	.4	.3	.3	373
Philippines	.7	1.1	.5	.4	163
Poland	1.6	3.1	4.9	4.0	9.5
South Africa	3.0	3.5	4.3	3.0	11.0
South Korea	.2	.5	1.3	.7	65.0
Soviet Union	9.8	15.5	20.2	11.8	24.0
Spain	5.9	8.9	11.4	9.6	1.8
Thailand	.5	.9	1.5	.6	92.0
Turkey	.7	1.1	1.7	1.1	48.0
United Kingdom	16.4	17.4	19.9	19.2	2.9
West Germany	19.5	24.8	29.0	27.2	2.2

[1] Includes trucks and buses, not shown separately. [2] Includes other countries, not shown separately.

Source: Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *MVMA Motor Vehicle Facts & Figures*, annual.

No. 1419. PERCENTAGE OF POPULATION SERVED BY WASTE WATER TREATMENT PLANTS—SELECTED COUNTRIES: 1970 TO 1985

[Primary: Removal of 20-30 percent of the biological oxygen demand (BOD) or more; Secondary: Removal of 80-90 percent of BOD or more; Tertiary: Removal of 95 percent of BOD or more]

COUNTRY	PERCENTAGE OF POPULATION SERVED, TOTAL				PRIMARY TREATMENT ONLY				PRIMARY AND SECONDARY AND/OR TERTIARY TREATMENT			
	1970	1975	1980	1985	1970	1975	1980	1985	1970	1975	1980	1985
United States [1]	42.0	[2] 67.0	70.0	[3] 74.0	(NA)	[2] 23.0	17.0	[3] 15.0	(NA)	[2] 44.0	53.0	[3] 59.0
Belgium	3.8	5.5	[4] 22.9	(NA)	-	-	[4] -	(NA)	3.8	5.5	[4] 22.9	(NA)
Canada [5]	(NA)	[2] 49.0	56.0	57.0	(NA)	(NA)	13.0	10.0	(NA)	(NA)	43.0	47.0
France	40.0	(NA)	61.5	[6] 63.7	(NA)	(NA)	2.5	(NA)	(NA)	(NA)	59.0	(NA)
Italy	[7] 14.0	(NA)	30.0	(NA)	[7] 8.0	(NA)	(NA)	(NA)	[7] 6.0	(NA)	(NA)	(NA)
Japan	16.0	23.0	30.0	[3] 36.0	(NA)	(NA)	(NA)	(NA)	[8] 16.0	[8] 23.0	[8] 30.0	[3] [8] 36.0
Netherlands	(NA)	45.0	68.0	[3] 81.0	(NA)	8.0	7.0	[3] 4.0	(NA)	37.0	61.0	[3] 77.0
Spain	(NA)	14.3	17.9	29.0	(NA)	7.0	8.8	13.2	(NA)	7.3	9.1	15.8
Sweden [9]	78.0	98.0	99.0	99.0	12.0	4.0	1.0	1.0	66.0	94.0	98.0	98.0
Switzerland	35.0	55.0	70.0	[6] 81.0	(NA)	(NA)	(NA)	(NA)	35.0	55.0	70.0	[6] 81.0
United Kingdom [10]	(NA)	(NA)	82.0	83.0	(NA)	(NA)	6.0	6.0	(NA)	(NA)	76.0	77.0
West Germany	[11] 61.8	[4] 74.8	81.8	[6] 86.5	[11] 20.5	[4] 18.4	10.2	[6] 7.5	[11] 41.3	[4] 56.4	71.6	[6] 79.0

- Represents zero. NA Not available. [1] Beginning 1980, data not comparable with 1970 and 1975 data and data for secondary treatment include 1 percent and 2 percent of non-discharge treatment. Primary treatment may provide some biological treatment. Secondary is preliminary treatment plus biological process with no additional treatment except disinfection. [2] 1976 data. [3] 1984 data. [4] 1979 data. [5] Secondary usually includes private treatment and includes waste stabilization ponds. Tertiary refers to secondary treatment with phosphorus removal. [6] 1983 data. [7] Estimated. [8] Data for secondary category may include data for primary treatment only. [9] Urban population only (85 percent of total). Primary: Removal of sediments; Secondary: Chemical or biological treatment; Tertiary: Chemical, biological and complementary treatment. [10] England and Wales only. Primary: Removal of gross solids; Secondary: Aerobic removal of organic material or bacteria; Tertiary: Removal of suspended solids following secondary treatment. [11] 1969 data.

Source: Organization for Economic Cooperation and Development, Paris, France, *Environmental Data Compendium, 1987*.

No. 1420. Communications—Telephones, Newspapers, Television, and Radio, by Countr

[See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	Telephones per 100 population,[1] 1986	Daily newspaper circulation, copies per 1,000 population,[2] 1984	Television receivers per 1,000 population,[3] 1986	Radio receivers per 1,000 population,[4] 1986
United States	[5] 76.0	268	813	2,126
Algeria	3.6	27	72	223
Argentina	10.3	(NA)	214	645
Australia	[6] 55.0	296	472	1,259
Austria	50.8	365	[7] 436	561
Bangladesh	[9] .1	6	3	40
Belgium	46.1	223	[7] 301	757
Bolivia	(NA)	50	76	587
Brazil	8.8	57	188	365
Bulgaria	[9] 20.0	255	[7] 189	357
Burma	[9] .1	74	1	79
Cambodia	(NA)	(NA)	7	106
Canada	76.9	220	546	877
Chile	6.4	[9] 115	164	335
China:				
Mainland	.7	29	10	140
Taiwan	31.1	(NA)	(NA)	(NA)
Colombia	7.6	(NA)	102	153
Costa Rica	12.9	72	79	263
Cuba	5.3	144	202	335
Cyprus	36.5	118	133	289
Czechoslovakia	23.9	298	[7] 281	577
Denmark	81.8	359	[7] 386	956
Dominican Republic	[10] 2.9	30	81	164
East Germany	22.6	550	[7] 363	627
Ecuador	3.6	[8] 64	73	295
Egypt	2.8	[9] 42	83	313
El Salvador	2.6	(NA)	70	349
Ethiopia	.3	1	2	186
Finland	[6] 61.7	535	480	992
France	[6] 60.8	[9] 212	402	896
Ghana	.5	35	10	189
Greece	39.3	(NA)	[7] 174	408
Guatemala	[6] 1.6	(NA)	37	61
Honduras	1.2	[8] 61	67	377
Hong Kong	44.0	(NA)	232	620
Hungary	14.5	254	399	576
Iceland	[9] 52.5	469	[7] 306	[7] 616
India	[11] .5	[8] 21	[7] 7	78
Indonesia	[10] .3	18	39	118
Iran	[12] 4.3	22	57	240
Iraq	[9] 4.3	(NA)	61	198
Ireland	[6] 26.5	186	260	563
Israel	[11] 41.6	(NA)	261	463
Italy	[13] 46.9	96	[7] 255	697
Jamaica	[11] 6.0	45	105	400
Japan	[6] [11] 55.5	562	585	82
Kenya	1.4	13	5	8
Kuwait	17.3	197	241	28
Lebanon	(NA)	(NA)	301	77
Luxembourg	[14] 41.2	(NA)	253	628
Madagascar	.4	5	5	194
Malaysia	8.5	323	113	431
Mexico	9.6	120	117	197
Morocco	1.4	(NA)	[7] 54	205
Netherlands	62.1	310	467	893
New Zealand	[11] 67.0	[8] 325	358	896
Nicaragua	[5] 1.6	47	59	257
Nigeria	[6] .3	[8] 6	6	162
Norway	[5] 62.2	501	[7] 348	783
Pakistan	.6	(NA)	15	97
Panama	10.6	[8] 61	161	184
Paraguay	2.4	(NA)	23	165
Peru	[6] 3.2	(NA)	84	247
Philippines	[6] 1.5	(NA)	36	134
Poland	11.8	214	[7] 259	415
Portugal	19.0	[8] 49	[7] 157	211
Puerto Rico	[11] 20.3	59	247	671
Romania	(NA)	158	[7] 175	[7] 143
Saudi Arabia	[6] 11.8	(NA)	269	323
Singapore	42.9	277	[7] 213	[7] 300
South Africa	[12] 14.1	(NA)	93	310
South Korea	22.3	(NA)	188	952
Soviet Union	[6] 11.3	422	321	680
Spain	37.9	80	322	295
Sri Lanka	.8	[8] 111	28	167
Sudan	[5] .4	5	52	253
Sweden	[9] 89.0	521	[7] 393	875
Switzerland	85.6	392	411	834
Syria	5.9	(NA)	57	229
Thailand	1.9	(NA)	100	178
Trinidad and Tobago	[9] 9.6	151	286	456
Tunisia	3.9	39	69	166
Turkey	8.1	(NA)	165	163
United Kingdom	[11] 52.4	414	534	1,157
Uruguay	13.6	(NA)	171	592
Venezuela	8.9	[6] 186	141	425
West Germany	64.0	350	[7] 379	95
Yugoslavia	15.4	114	176	344
Zimbabwe	3.0	22	14	53

NA Not available. [1] As of December 31, except as noted. Comprises public and private telephones installed which can be connected to a central exchange. [2] Publications containing general news and appearing at least 4 times a week; may range in size from a single sheet to 50 or more pages. Circulation data refer to average circulation per issue or number of printed copies per issue and include copies sold outside the country. [3] Estimated number of sets in use, except as noted. [4] Data cover estimated number of receivers in use, except as noted, and apply to all types of receivers for radio broadcasts to the public, including receivers connected to a radio "redistribution system" but excluding television sets. [5] For 1984. [6] For 1985. [7] Number of licenses issued. [8] For 1982. [9] For 1983. [10] For 1980. [11] As of March 31. [12] As of March 21. [13] Includes San Marino. [14] For 1981.

Source: Except Taiwan, Statistical Office of the United Nations, New York, NY, *Statistical Yearbook* (copyright), and United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook* (copyright); Taiwan, U.S. Bureau of the Census. Data from Republic of China publications.

No. 1421. Tax Revenues—Selected Countries: 1975 to 1986

[Covers national and local taxes and Social Security contributions. GDP=Gross domestic product; see text, section 14]

COUNTRY	TAX REVENUES, 1986		PERCENT CHANGE IN TOTAL TAX REVENUE AS EXPRESSED IN NATIONAL CURRENCY					TAX REVENUES AS PERCENT OF GDP				
	Total (bil. dol.)	Per capita (dol.)	1975-1980	1980-1985	1983-1984	1984-1985	1985-1986	1975	1980	1984	1985	1986
United States	1,194.5	4,944	76.7	46.5	11.1	9.8	5.3	29.0	29.5	28.4	29.2	28.9
Australia	54.6	3,419	88.9	80.4	16.8	10.8	12.5	27.8	29.0	30.9	30.8	31.4
Austria	40.0	5,261	61.5	41.8	9.6	7.3	5.1	38.6	41.2	42.3	42.9	42.6
Belgium	52.3	5,302	61.5	47.2	9.7	7.5	3.5	41.1	43.5	46.4	46.6	45.4
Canada	123.8	4,820	75.5	59.1	8.9	7.5	7.0	32.4	31.6	32.9	32.9	33.2
Denmark	41.7	8,151	90.1	77.6	12.9	12.3	11.7	41.4	45.5	47.6	48.7	50.6
Finland	27.0	5,499	73.7	95.1	17.6	12.8	10.6	35.1	33.0	35.5	36.8	38.4
France	321.3	5,802	116.2	78.2	11.4	7.4	6.6	36.9	41.7	44.6	44.5	44.2
Greece	14.6	1,461	195.7	231.9	29.6	22.4	25.5	24.6	28.6	34.9	35.2	36.7
Ireland	9.9	2,781	166.4	112.1	13.5	5.2	8.5	31.5	34.0	39.4	39.0	40.2
Italy	217.3	3,798	222.0	139.2	11.5	10.6	15.8	25.1	30.0	35.1	34.7	36.2
Japan	570.3	4,698	95.7	43.5	7.4	8.2	7.3	20.9	25.5	27.4	28.0	28.8
Luxembourg	2.4	6,540	64.5	68.8	6.5	9.2	3.9	39.2	40.9	42.6	42.9	42.4
Netherlands	79.9	5,483	60.6	21.7	1.1	4.3	4.2	43.7	45.8	45.0	45.1	45.5
New Zealand	9.1	2,775	120.1	99.7	13.6	18.6	14.8	31.3	33.0	33.1	33.8	32.9
Norway	34.8	8,346	101.1	77.3	10.7	14.8	8.1	44.9	47.1	45.8	47.4	49.8
Portugal	9.4	968	286.4	208.1	19.9	22.8	26.7	24.7	28.7	32.2	31.5	32.4
Spain	69.3	1,798	210.3	119.8	18.4	9.6	20.6	19.6	24.1	29.2	28.8	30.4
Sweden	70.2	8,385	96.4	68.0	11.3	9.6	14.8	43.9	49.4	50.3	50.6	53.5
Switzerland	44.0	6,707	26.3	39.2	7.1	5.8	8.5	29.6	30.8	32.3	32.0	32.6
Turkey	13.2	259	771.7	477.4	32.0	71.8	63.7	20.7	21.7	17.3	19.7	22.7
United Kingdom	213.6	3,762	116.6	64.5	7.7	9.3	8.9	35.4	35.3	38.3	38.1	39.0
West Germany	334.8	5,484	53.2	23.6	5.3	5.6	4.6	35.7	38.0	37.5	37.9	37.5

No. 1422. Percent Distribution of Tax Receipts by Type of Tax—Selected Countries: 1975 to 1986

COUNTRY AND YEAR	Total [1]	INCOME AND PROFITS TAXES [2]			SOCIAL SECURITY CONTRIBUTIONS			TAXES ON GOODS AND SERVICES [5]		
		Total [3]	Individual	Corporate	Total [4]	Employees	Employers	Total [3]	General consumption taxes [6]	Taxes on specific goods, services [7]
United States: 1975	100.0	43.6	32.8	10.8	24.6	9.9	13.9	18.5	6.7	9.5
1980	100.0	47.0	36.9	10.2	26.2	10.0	15.5	16.6	6.6	7.8
1986	100.0	42.4	35.4	7.0	29.8	11.5	17.3	17.5	7.6	7.5
Canada: 1975	100.0	47.3	32.8	13.6	10.1	3.7	6.1	32.0	12.5	13.6
1980	100.0	46.6	34.1	11.6	10.5	3.7	6.6	32.5	11.5	13.0
1986	100.0	45.9	37.0	8.1	13.7	4.8	8.7	29.7	14.6	11.4
France: 1975	100.0	17.6	12.3	5.2	40.6	8.6	29.3	33.3	23.4	9.0
1980	100.0	18.1	12.9	5.1	42.7	11.1	28.4	30.4	21.0	8.4
1986	100.0	18.2	13.0	5.1	42.7	11.9	27.4	29.4	19.5	8.9
Italy: 1975	100.0	21.5	15.2	6.3	45.9	9.0	36.8	29.4	14.3	14.0
1980	100.0	31.1	23.1	7.8	38.0	6.9	28.4	26.5	15.6	9.7
1986 [8]	100.0	37.9	(NA)	(NA)	34.3	6.5	24.6	24.6	14.6	8.6
Japan: 1975	100.0	44.6	23.9	20.6	29.0	10.8	15.1	17.3	-	15.1
1980	100.0	46.1	24.3	21.8	29.1	10.2	14.8	16.3	-	14.1
1986	100.0	45.7	25.1	20.7	29.8	10.9	15.4	13.4	-	11.4
Netherlands: 1975	100.0	34.8	27.1	7.7	38.4	16.4	17.6	24.2	14.4	8.1
1980	100.0	32.8	26.3	6.6	38.1	15.7	17.8	25.2	15.8	7.3
1986	100.0	27.7	20.3	7.3	42.5	18.1	17.3	26.0	16.5	7.3
Sweden: 1975	100.0	50.5	46.1	4.3	19.5	-	18.3	24.3	12.0	10.7
1980	100.0	43.5	41.0	2.5	28.8	-	27.6	24.0	13.4	9.2
1986	100.0	42.8	38.0	4.7	25.0	-	24.1	24.8	13.4	10.2
United Kingdom: 1975	100.0	44.5	37.9	6.7	17.4	6.6	10.3	25.4	8.8	14.8
1980	100.0	37.8	29.4	8.4	16.6	6.4	9.8	29.4	14.5	13.3
1986	100.0	38.2	27.9	10.3	17.9	8.2	9.1	30.9	15.5	13.7
West Germany: 1975	100.0	34.7	30.2	4.5	33.5	14.2	18.5	27.1	14.7	10.9
1980	100.0	35.1	29.6	5.5	34.4	15.3	18.5	27.1	16.6	9.3
1986	100.0	34.5	28.6	6.0	37.2	16.1	19.1	25.2	15.3	8.6

- Represents zero. NA Not available. [1] Includes property taxes, employer payroll taxes other than social security contributions, and miscellaneous taxes, not shown separately. [2] Includes taxes on capital gains. [3] Includes other taxes, not shown separately. [4] Includes contributions of self-employed, not shown separately. [5] Taxes on the production, sales, transfer, leasing, and delivery of goods and services and rendering of services. [6] Primarily value-added and sales taxes. [7] For example, excise taxes on alcohol, tobacco, and gasoline. [8] Estimates.

Source of tables 1421 and 1422: Organization for Economic Cooperation and Development, Paris, France, *Revenue Statistics of OECD Member Countries*, annual.

No. 1423. Employee-Employer Payroll Tax Rates For Social Security Programs—Selected Countries: 1980 to 1986

[In percent. Covers old-age, disability and survivors insurance, public health or sickness insurance, workers' compensation, unemployment insurance, and family allowance programs]

COUNTRY	ALL SOCIAL SECURITY PROGRAMS					OLD-AGE, DISABILITY AND SURVIVORS INSURANCE				
	1980, total	1985, total	1986			1980, total	1985, total	1986		
			Total	Employer	Employee			Total	Employer	Employee
United States	16.81	18.90	19.90	12.75	7.15	10.16	11.40	11.40	5.70	5.70
Canada	8.44	[1] 9.24	[1] 9.24	[1] 5.09	[1] 4.15	3.60	3.60	3.60	1.80	1.80
France	48.45	51.33	52.84	38.03	14.81	[2] 12.90	[2] 14.00	[2] 14.60	[2] 8.20	[2] 6.40
Italy	55.02	55.91	53.92	45.07	8.85	24.46	24.36	25.96	[3] 18.81	7.15
Japan	20.57	25.50	25.55	14.60	10.95	9.10	12.40	12.40	6.20	6.20
Sweden	32.43	31.66	31.79	31.79	–	20.80	19.95	19.95	19.95	–
United Kingdom	20.45	19.45	19.45	10.45	9.00	(NA)	(NA)	(NA)	(NA)	(NA)
West Germany	34.00	34.30	36.90	19.15	17.75	18.00	18.70	18.70	9.35	9.35

– Represents zero. NA Not available. [1] Excludes work-injury compensation program. [2] Disability and survivors benefits financed through sickness insurance. [3] Excludes termination indemnity.

Source: U.S. Social Security Administration, Office of International Policy, unpublished data.

No. 1424. Consumer Prices—Annual Percent Changes, by Country: 1982 to 1987

[See text, section 31, for general comments concerning the data. For additional qualifications of the data for individual countries, see source. Minus sign (–) indicates decrease]

COUNTRY	1982–1983	1983–1984	1984–1985	1985–1986	1986–1987
United States	3.2	4.3	3.6	1.9	3.7
Argentina	343.8	626.7	672.1	90.1	131.3
Australia	10.1	4.0	6.7	9.1	8.5
Austria	3.3	5.7	3.2	1.7	1.4
Bangladesh	9.4	10.5	10.7	11.0	9.5
Belgium	7.7	6.3	4.9	1.3	1.6
Bolivia	269	1,281	11,750	276.3	14.6
Brazil	142.1	197.0	226.9	145.2	229.7
Canada	5.8	4.3	4.0	4.2	4.4
Chile	27.3	19.9	30.7	19.5	19.9
Colombia	19.8	16.1	24.0	18.9	23.3
Ecuador	48.4	31.2	28.0	23.0	29.5
Egypt	16.1	17.1	13.3	22.6	19.7
France	9.6	7.4	5.8	2.5	3.3
Ghana	122.9	39.7	10.3	24.6	39.8
Greece	20.2	18.4	19.3	23.0	16.4
Guatemala	4.5	3.4	18.7	36.9	12.3
India	11.9	8.3	5.6	8.7	8.8
Indonesia	11.8	10.5	4.7	5.8	9.3
Iran	19.7	12.5	4.4	(NA)	(NA)
Israel	145.6	373.8	304.6	48.1	19.8
Italy	14.6	10.8	9.2	5.9	4.7
Japan	1.9	2.3	2.0	.6	–

COUNTRY	1982–1983	1983–1984	1984–1985	1985–1986	1986–1987
Kenya	11.5	10.2	13.0	4.0	5.2
Malaysia	3.7	3.9	.3	.7	1.1
Mexico	101.8	65.5	57.7	86.2	131.8
Netherlands	2.8	3.3	2.2	.2	–.5
Nigeria	23.2	39.6	5.5	5.4	10.2
Norway	8.4	6.3	5.7	7.2	8.7
Pakistan	6.2	6.1	5.6	3.5	4.7
Peru	111.2	110.2	163.4	77.9	85.8
Philippines	10.0	50.3	23.1	.8	3.8
Portugal	25.1	28.9	19.6	11.7	9.3
Romania	5.2	1.1	–.4	–.1	(NA)
South Africa	12.3	11.7	16.2	18.6	16.1
South Korea	3.4	2.3	2.5	2.8	3.0
Spain	12.2	11.3	8.8	8.8	5.3
Sri Lanka	14.0	16.6	1.5	8.0	7.7
Sweden	8.9	8.0	7.4	4.2	4.2
Switzerland	3.0	2.9	3.4	.8	1.4
Thailand	3.7	.9	2.4	1.8	2.5
Turkey	32.9	48.4	45.0	34.6	38.8
United Kingdom	4.6	5.1	6.1	3.4	4.2
Venezuela	6.3	12.2	11.4	11.5	28.1
West Germany	3.3	2.4	2.2	–.2	.3
Yugoslavia	40.2	54.7	72.3	89.8	120.8
Zaire	77.1	52.2	23.8	46.7	90.4

– Represents zero. NA Not available.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly, with annual yearbooks.

No. 1425. Consumer Price Indexes for Selected Items—Selected Countries: 1980 and 1987

[For percent increases in total consumer prices, see table 762. For explanation of average annual percent change, see Guide to Tabular Presentation]

COUNTRY	INDEXES (1967=100)										AVG. ANNUAL PERCENT CHANGE, 1980–1987			
	Total [1]		Food [2]		Clothing		Housing [3]		Transportation		Food [2]	Clothing	Housing [3]	Transportation
	1980	1987	1980	1987	1980	1987	1980	1987	1980	1987				
United States	246.8	340.4	254.6	333.0	171.1	200.6	263.3	371.0	249.7	316.8	3.9	2.3	5.0	3.5
Australia	295.5	520.8	291.8	486.0	301.4	495.2	321.8	576.5	(NA)	(NA)	7.6	7.4	8.7	(NA)
Austria	203.3	266.1	186.5	235.6	178.3	218.7	233.2	315.1	216.6	284.4	3.4	3.0	4.4	4.0
Canada	243.5	378.5	289.9	427.7	195.5	259.2	242.9	377.7	233.1	386.1	5.7	4.1	6.5	7.5
France	294.2	491.9	294.8	493.2	267.0	466.9	309.4	518.9	337.4	562.1	7.6	8.3	7.7	7.6
Italy	403.2	850.8	382.3	758.3	437.3	957.6	385.6	822.4	480.9	988.6	10.3	11.8	11.4	10.8
Japan	281.8	325.2	288.2	327.4	288.7	380.2	226.7	275.3	252.6	280.6	1.8	3.2	2.8	1.5
Netherlands	237.4	291.9	197.8	227.5	256.5	302.4	244.2	315.9	223.9	279.7	2.0	2.4	3.8	3.2
Sweden	270.6	451.9	282.1	539.1	197.2	277.7	314.9	501.6	(NA)	(NA)	9.7	5.0	6.9	(NA)
United Kingdom	423.6	645.8	468.0	654.5	306.4	348.0	421.5	699.0	450.3	642.7	4.9	1.8	7.5	5.2
West Germany	175.6	212.4	158.9	185.9	178.8	218.4	192.8	234.0	186.1	222.4	2.3	2.9	2.8	2.6

NA Not available. [1] Includes other items not shown separately. [2] Restaurant meals, alcohol, and tobacco are included for some countries; excluded for others. [3] Includes shelter, utilities, and household furnishings and operations. However, actual coverage and measurement methods vary significantly from country to country.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, periodic.

No. 1426. CIVILIAN LABOR FORCE, EMPLOYMENT, AND UNEMPLOYMENT—SELECTED COUNTRIES: 1970 TO 1987

[Data based on U.S. labor force definitions adopted in 1967 (see text, section 13) except that minimum age for population base varies as follows: United States, France, Sweden, and, beginning 1980, United Kingdom, 16 years; Australia, Canada, Japan, West Germany, and, for 1970, United Kingdom, 15 years; Italy, 14 years]

YEAR	United States	Australia	Canada	France	Italy	Japan	Netherlands	Sweden	United Kingdom	West Germany
Civilian labor force (mil.):										
1970	82.8	5.5	8.4	20.8	19.7	50.7	(NA)	3.9	25.1	26.2
1980	106.9	6.7	11.6	22.8	21.1	55.7	5.3	4.3	26.5	26.5
1983	111.6	7.0	12.2	23.1	21.6	58.1	5.6	4.4	[1] 26.8	26.6
1984	113.5	7.1	12.4	23.3	21.7	58.5	5.6	4.4	[1] 27.2	26.8
1985	115.5	7.3	12.6	23.3	21.8	58.8	5.7	4.4	[1] 27.4	27.0
1986	117.8	[1] 7.6	12.9	23.5	22.3	59.4	[1] 5.8	4.4	[1] 27.5	[1] 27.1
1987	119.9	[1] 7.7	13.1	[1] 23.6	[1] 22.3	60.0	[1] 5.8	4.5	[1] 27.8	[1] 27.3
abor force participation rate: [2]										
1970	60.4	62.1	57.8	57.5	49.0	64.5	(NA)	64.0	61.1	56.9
1980	63.8	62.1	64.1	57.2	48.2	62.6	50.2	66.9	62.5	53.2
1983	64.4	61.4	64.4	56.6	47.5	63.1	50.9	66.7	[1] 62.1	52.3
1984	64.4	61.5	64.8	56.6	47.3	62.7	50.5	66.6	[1] 62.6	52.4
1985	64.8	61.8	65.2	56.2	47.2	62.3	50.7	66.9	[1] 62.7	52.6
1986	65.3	[1] 63.0	65.7	56.2	48.2	62.1	[1] 50.8	67.1	[1] 62.7	[1] 52.8
1987	65.6	[1] 63.0	66.2	[1] 56.0	[1] 48.2	61.9	[1] 50.5	67.4	[1] 63.0	[1] 53.1
ivilian employment (mil.):										
1970	78.7	5.4	7.9	20.3	19.1	50.1	(NA)	3.8	24.3	26.1
1980	99.3	6.2	10.7	21.3	20.2	54.6	5.0	4.2	24.7	25.8
1983	100.8	6.3	10.7	21.2	20.3	56.6	4.9	4.2	[1] 23.6	24.8
1984	105.0	6.5	11.0	21.0	20.4	56.9	4.9	4.2	[1] 24.0	24.8
1985	107.2	6.7	11.3	20.9	20.5	57.3	5.1	4.3	[1] 24.3	25.0
1986	109.6	[1] 7.0	11.6	21.0	20.6	57.7	[1] 5.2	4.3	[1] 24.4	[1] 25.2
1987	112.4	[1] 7.1	12.0	[1] 21.0	[1] 20.6	58.3	[1] 5.2	4.4	[1] 24.9	[1] 25.4
mployment-population ratio: [3]										
1970	57.4	61.1	54.5	56.0	47.4	63.8	(NA)	63.1	59.2	56.6
1980	59.2	58.3	59.3	53.5	46.1	61.3	47.0	65.6	58.1	51.7
1983	57.9	55.3	59.7	51.8	44.7	61.4	44.5	64.4	[1] 54.7	48.6
1984	59.5	56.0	57.4	51.0	44.5	61.0	44.3	64.5	[1] 55.3	48.5
1985	60.1	56.6	58.4	50.4	44.4	60.6	45.4	65.0	[1] 55.7	48.7
1986	60.7	[1] 57.9	59.4	50.2	44.6	60.4	[1] 45.8	65.4	[1] 55.7	[1] 49.1
1987	61.5	[1] 57.9	60.3	[1] 49.7	[1] 44.4	60.1	[1] 45.8	66.2	[1] 56.6	[1] 49.4
nemployment rate:										
1970	4.9	1.6	5.7	2.5	3.2	1.2	(NA)	1.5	3.1	.5
1980	7.1	6.1	7.5	6.4	4.4	2.0	6.2	2.0	7.0	2.9
1983	9.6	10.0	11.9	8.5	5.9	2.7	[4] 12.7	3.5	[1] 11.9	[4] 7.1
1984	7.5	9.0	11.3	9.9	5.9	2.8	12.3	3.1	[1] 11.7	7.4
1985	7.2	8.3	10.5	10.4	6.0	2.6	10.5	2.8	[1] 11.2	7.5
1986	7.0	[1] 8.1	9.6	10.7	[4] 7.5	2.8	[1] 9.7	2.6	[1] 11.2	[1] 7.0
1987, total	6.2	[1] 8.1	8.9	[1] 11.1	[1] 7.9	2.9	[1] 9.3	[4] 1.9	[1] 10.3	[1] 6.9
Under 25 years old	12.2	15.7	13.7	24.7	(NA)	5.4	(NA)	4.1	15.8	(NA)
Teenagers [5]	16.9	20.0	15.1	28.4	(NA)	8.7	(NA)	3.9	18.1	(NA)
20-24 years old	9.7	12.1	12.9	24.0	(NA)	4.6	(NA)	4.5	14.3	(NA)
25 years old and over	4.8	5.8	7.6	8.6	(NA)	2.5	(NA)	1.4	9.3	(NA)

NA Not available. [1] Preliminary. [2] Civilian labor force as a percent of the civilian working age population. [3] Civilian
ployment as a percent of the civilian working age population. [4] Data for prior years not comparable to later years; see
urce. [5] 16-19 years old in the United States, France, Sweden, and the United Kingdom; 15-19 years old in Canada,
stralia, and Japan; and 14-19 years old in Italy and West Germany.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, periodic, and *Monthly Labor Review*.

o. 1427. CIVILIAN EMPLOYMENT-POPULATION RATIOS, BY SEX, AND FEMALES AS PERCENT OF TOTAL CIVILIAN EMPLOYMENT—SELECTED COUNTRIES: 1970 TO 1987

[See headnote, table 1426]

COUNTRY	CIVILIAN EMPLOYMENT—POPULATION RATIOS [1]										FEMALES AS PERCENT OF CIVILIAN EMPLOYMENT				
	Women					Men									
	1970	1980	1985	1986	1987	1970	1980	1985	1986	1987	1970	1980	1985	1986	1987
ited States	40.8	47.7	50.4	51.4	52.5	76.2	72.0	70.9	71.0	71.5	37.7	42.4	44.1	44.4	44.8
stralia	39.3	41.9	43.0	[2] 45.1	[2] 45.7	83.2	75.1	70.6	[2] 70.9	[2] 70.4	32.4	36.4	38.4	[2] 39.4	[2] 39.8
nada	36.1	46.2	48.5	49.7	50.9	73.4	73.0	68.7	69.5	70.1	33.6	39.7	44.9	42.8	43.2
nce	38.0	40.0	39.7	[2] 39.6	(NA)	76.4	68.6	62.2	[2] 62.0	(NA)	35.9	39.4	41.6	[2] 41.6	(NA)
y	25.0	27.9	27.8	28.3	[2] 28.6	71.9	66.0	62.5	62.3	[2] 61.6	27.7	31.7	32.7	33.2	33.6
an	48.2	45.7	46.3	46.2	46.2	80.5	77.9	75.9	75.4	74.9	39.0	38.4	39.3	39.4	39.6
therlands	(NA)	28.0	30.2	(NA)	(NA)	(NA)	66.8	61.0	(NA)	(NA)	(NA)	30.3	34.1	(NA)	(NA)
eden	49.1	58.0	59.7	[2] 60.3	[2] 61.6	77.4	73.6	70.5	[2] 70.7	[2] 71.0	39.5	45.1	47.1	[2] 47.3	[2] 47.7
ited Kingdom	41.2	44.8	[2] 44.4	[2] 44.9	[2] 45.9	79.2	72.8	[2] 68.0	[2] 67.5	[2] 68.2	36.7	40.4	[2] 41.7	[2] 42.1	[2] 42.4
st Germany	38.2	36.7	[2] 35.5	[2] 36.0	(NA)	78.3	68.9	[2] 63.7	[2] 64.1	(NA)	36.5	38.0	[2] 38.9	[2] 39.0	(NA)

NA Not available. [1] Civilian employment as a percent of the civilian working age population. [2] Preliminary.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, April 1988.

No. 1428. Labor Force Participation Rates, by Sex and Age-group—Selected Countries: 1980 and 1987

[Participation rates represent percent of pupulation of each specified group in labor force]

COUNTRY AND SEX	15–19 YEARS OLD		20–24 YEARS OLD		25–54 YEARS OLD		55–64 YEARS OLD		65 YEARS AND OVER	
	1980	1987	1980	1987	1980	1987	1980	1987	1980	1987
United States: Total	[1] 56.5	54.9	77.5	79.0	78.4	82.2	55.1	54.0	11.9	10.5
Male	[1] 60.5	56.4	85.7	84.9	93.4	92.9	71.2	67.0	18.3	15.7
Female	[1] 52.4	53.2	69.1	73.1	63.8	71.7	41.0	42.4	7.8	6.9
Canada: Total	55.1	56.0	79.6	80.4	77.4	82.6	53.9	50.1	8.9	7.1
Male	57.9	57.6	86.3	84.4	94.8	94.0	76.2	66.4	14.8	11.8
Female	52.2	54.3	73.0	76.3	60.1	71.4	33.6	34.9	4.4	3.6
France: Total	22.0	14.6	73.7	69.4	79.8	83.2	53.4	39.2	5.0	3.0
Male	25.7	17.3	80.2	74.7	96.4	95.9	68.5	47.6	7.5	4.7
Female	18.3	11.8	67.5	64.2	63.0	70.6	39.7	31.5	3.3	1.9
Italy: Total	31.1	26.5	65.1	67.3	[2] 65.9	[2] 68.8	[3] 24.5	[3] 22.6	7.5	4.9
Male	33.3	28.0	72.5	72.1	[2] 93.1	[2] 91.3	[3] 39.6	[3] 36.8	12.8	8.3
Female	28.9	24.9	57.9	62.6	[2] 39.9	[2] 46.9	[3] 11.0	[3] 9.9	3.5	2.4
Japan: Total	17.9	17.0	69.8	72.5	76.8	79.1	63.0	63.0	26.3	23.6
Male	17.4	17.4	69.6	71.3	97.0	96.7	85.4	82.6	41.0	35.6
Female	18.5	16.6	70.0	73.6	56.7	61.4	45.3	45.1	15.5	15.4
Sweden: Total	55.6	46.4	83.1	81.0	89.3	92.6	66.8	69.4	8.6	(NA)
Male	55.3	44.5	84.5	81.9	95.4	94.7	78.7	74.9	14.2	(NA)
Female	55.8	48.4	81.6	80.0	82.9	90.4	55.3	64.1	3.7	(NA)
United Kingdom: Total	74.4	75.2	77.1	77.9	79.5	81.2	59.4	50.7	6.2	4.8
Male	73.6	76.0	86.0	85.9	95.4	93.3	81.6	67.1	10.3	7.9
Female	75.3	74.3	67.9	69.6	63.4	69.0	39.1	35.3	3.8	2.8
West Germany: Total	43.9	49.1	73.8	73.1	74.0	73.4	42.8	37.8	4.5	3.1
Male	47.0	53.0	79.2	76.2	93.6	89.5	65.5	55.3	7.0	5.0
Female	40.5	45.0	68.0	69.6	53.6	56.5	27.2	23.1	3.1	2.1

NA Not available. [1] Persons 16–19 years old. [2] Persons 25–59 years old. [3] Persons 60–64 years old.

Source: Organization for Economic Cooperation and Development, Paris, France. *Historical Statistics, 1960–1982,* 1984; and *Labour Force Statistics,* annual.

No. 1429. Organization for Economic Cooperation and Development (OECD)—Index of Industrial Production: 1975 to 1987

[Minus sign (–) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

COUNTRY	INDEX (1980=100)						AVERAGE ANNUAL PERCENT CHANGE						
	1975	1983	1984	1985	1986	1987	1975–1980	1980–1985	1982–1983	1983–1984	1984–1985	1985–1986	1986–1987
OECD, total	**81.3**	**99.6**	**107.0**	**110.2**	**111.0**	**114.2**	(NA)	**2.0**	**3.1**	**7.4**	**3.0**	**.7**	**2.9**
United States	**78.5**	**100.6**	**112.1**	**114.0**	**115.2**	**119.5**	**5.0**	**2.8**	**5.9**	**11.5**	**1.7**	**1.1**	**3.7**
Australia	87.8	92.0	98.0	101.7	102.9	103.6	2.6	.3	−5.0	6.6	3.8	1.2	.7
Austria	80.0	98.5	103.8	108.4	109.6	110.3	4.6	1.6	1.0	5.3	4.4	1.1	.6
Belgium	87.5	99.3	102.2	104.3	105.0	106.2	2.7	.8	2.0	2.9	2.1	.7	1.1
Canada	85.0	95.5	104.7	109.8	117.9	123.2	3.3	1.6	5.9	9.6	4.8	7.4	4.5
Finland	79	107.1	112.1	116.5	117.5	122.4	4.9	3.0	3.2	4.7	3.9	.9	4.2
France	85	98	99	99	100	102	3.4	-	.8	1.5	-	1.0	2.0
Greece	77.0	94.3	103.8	107.2	107.0	105.6	5.4	1.4	−.6	10.1	3.2	−.2	−1.3
Ireland	[1] 74.6	109.2	125.1	128.0	131.5	145.6	(NA)	4.7	6.4	14.6	2.3	2.7	10.7
Italy	78.3	92.3	95.6	96.9	100.0	102.7	5.0	−.6	−3.3	3.6	1.6	3.2	2.7
Japan	72.8	105.0	116.5	121.7	118.3	122.0	6.6	4.0	3.6	10.9	4.5	−2.8	3.1
Luxembourg	93.0	101.7	113.6	121.4	124.7	124.8	1.5	4.0	5.4	11.7	6.9	2.7	.1
Netherlands	[2] 89	96	101	104	106	107	(NA)	.8	2.1	5.2	3.0	1.9	.9
Norway	76	106	115	121	126	135	5.7	3.2	8.1	5.6	5.2	4.1	7.1
Portugal	71	106.8	106.7	111.1	125.0	128.0	7.1	2.1	1.6	−.2	4.1	12.5	2.4
Spain	86.6	100.5	101.4	103.5	106.6	111.5	2.9	.7	2.7	.9	2.1	3.0	4.5
Sweden [1]	102	101	107	109	110	116	−.4	2.3	4.1	5.9	1.9	.9	5.5
Switzerland	87	95	97	103	107	108	2.7	.6	−.7	2.7	6.2	3.9	.9
United Kingdom	92.2	101.9	103.2	108.1	109.7	113.1	1.6	1.6	3.6	1.3	4.7	1.5	3.1
West Germany	85	96	100	105	105	105	3.3	1.0	.7	3.4	5.0	-	-

– Represents or rounds to zero. NA Not available. [1] Mining and manufacturing. [2] Not comparable to later years.

Source: Organization for Economic Cooperation and Development, Paris, France, *Main Economic Indicators, Historical Statistics 1964–1983,* 1984; and *Main Economic Indicators,* monthly.

No. 1430. Selected Indexes of Manufacturing Activity—Selected Countries: 1970 to 1987

[1977=100. Data relate to all employed persons in the United States and Canada; all employees in other countries. Minus sign (−) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

INDEX AND YEAR	United States	Belgium	Canada	Denmark	France	Italy	Japan	Netherlands	Sweden	United Kingdom	West Germany[1]
Output per hour:											
1970	80.8	60.4	75.6	65.6	70.0	72.7	64.6	64.3	80.7	80.4	71.2
1980	101.4	119.2	98.2	112.3	110.6	116.9	122.7	113.9	112.7	101.9	108.6
1985	124.2	159.0	119.7	118.3	133.3	151.9	161.1	145.1	136.1	134.7	128.5
1986	128.8	165.4	119.4	118.5	136.2	153.1	163.8	144.7	136.4	138.5	130.7
1987	132.4	(NA)	121.5	121.0	141.2	158.9	170.5	(NA)	139.9	148.1	132.4
Average annual percent change:											
1970–1980	2.3	7.0	2.6	5.5	4.7	4.9	6.6	5.9	3.4	2.4	4.3
1980–1985	4.1	5.9	4.1	1.0	3.8	5.4	5.6	5.0	3.8	5.8	3.4
1985–1987	3.3	(NA)	.7	1.1	2.9	2.3	2.9	(NA)	1.4	4.8	1.5
Compensation per hour, national currency basis:[2]											
1970	57.4	34.9	47.9	36.3	36.7	26.1	33.9	39.0	38.5	31.4	48.0
1980	132.4	130.4	131.3	135.9	148.5	160.2	120.7	123.6	133.6	168.7	125.6
1985	176.9	184.5	194.7	196.1	267.2	348.6	151.4	157.7	212.4	258.6	164.7
1986	182.7	191.9	202.3	205.3	279.8	360.0	158.8	161.5	228.1	278.5	172.1
1987	185.1	(NA)	211.4	225.9	289.3	383.2	161.1	(NA)	243.8	301.3	179.1
Average annual percent change:											
1970–1980	8.7	14.1	10.6	14.1	15.0	19.9	13.5	12.2	13.2	18.3	10.1
1980–1985	6.0	7.2	8.2	7.6	12.5	16.8	4.6	5.0	9.7	8.9	5.6
1985–1987	2.3	(NA)	4.2	7.3	4.1	4.8	3.1	(NA)	7.1	7.9	4.3
Real hourly compensation:[2] [3]											
1970	89.6	61.0	79.2	68.6	67.7	62.3	68.7	68.6	71.7	78.6	69.4
1980	97.4	112.0	100.2	100.3	108.2	101.6	103.6	106.9	101.8	115.9	112.2
1985	99.6	112.8	103.9	98.8	123.2	115.9	113.4	111.2	103.3	125.0	121.6
1986	100.9	115.8	103.7	99.8	125.7	112.9	116.3	113.7	106.2	130.2	127.3
1987	98.7	(NA)	103.8	106.0	126.1	114.8	119.8	(NA)	108.7	135.2	132.3
Average annual percent change:											
1970–1980	.8	6.3	2.4	3.9	4.8	5.0	4.2	4.5	3.6	4.0	4.9
1980–1985	.5	.1	.7	−.3	2.6	2.7	1.8	.8	.3	1.5	1.6
1985–1987	−.5	(NA)	-	3.6	1.1	−.5	2.8	(NA)	2.6	4.0	4.3
Unit labor costs, national currency:											
1970	71.0	57.8	63.4	55.4	52.5	36.0	52.3	60.7	47.7	39.1	67.4
1980	130.6	109.4	133.7	121.0	134.3	137.0	98.4	108.5	118.6	165.6	115.7
1985	142.4	116.0	162.6	165.7	200.4	229.5	94.0	108.7	156.1	192.0	128.2
1986	141.8	116.0	169.4	173.2	205.4	235.1	97.0	111.6	167.3	201.1	131.7
1987	139.7	(NA)	174.0	186.6	204.9	241.2	94.5	(NA)	174.3	203.4	135.2
Average annual percent change:											
1970–1980	6.3	6.6	7.8	8.1	9.8	14.3	6.5	6.0	9.5	15.5	5.6
1980–1985	1.8	1.2	4.0	6.5	8.3	10.9	−.9	-	5.7	3.0	2.1
1985–1987	−1.0	(NA)	3.4	6.1	1.1	2.5	.3	(NA)	5.7	2.9	2.7
Unit labor costs, U.S. dollar basis:[4]											
1970	71.0	41.7	64.5	44.4	46.7	50.6	39.1	41.2	41.1	53.7	42.9
1980	130.6	134.3	121.5	129.0	156.4	141.4	116.8	134.1	125.3	220.7	147.9
1985	142.4	70.1	126.5	93.9	109.7	106.1	105.6	80.4	81.1	142.7	101.1
1986	141.8	93.1	129.5	128.5	145.8	139.2	154.2	111.9	104.9	169.2	140.8
1987	139.7	(NA)	139.4	163.6	167.5	164.2	175.0	(NA)	122.7	191.2	174.5
Average annual percent change:											
1970–1980	6.3	12.4	6.5	11.3	12.9	10.8	11.6	12.5	11.8	15.2	13.2
1980–1985	1.8	−12.2	.8	−6.2	−6.8	−5.6	−2.0	−9.7	−8.3	−8.3	−7.3
1985–1987	−1.0	(NA)	5.0	32.0	23.6	24.4	28.8	(NA)	23.0	15.7	31.4
Employment:											
1970	98.2	114.3	94.7	113.5	97.3	94.8	101.0	118.2	103.8	113.3	112.9
1980	103.2	91.2	106.5	98.7	95.5	99.7	99.6	95.4	97.5	93.8	101.1
1985	98.1	78.9	101.8	107.2	83.6	83.1	107.6	84.8	89.0	73.3	91.3
1986	96.8	77.7	103.8	107.4	81.5	82.1	107.3	86.3	89.9	71.6	92.7
1987	97.4	(NA)	106.2	105.6	79.5	81.4	106.1	(NA)	90.0	70.2	92.5
Average annual percent change:											
1970–1980	.5	−2.2	1.2	−1.4	−.2	.5	−.1	−2.1	−.6	−1.9	−1.1
1980–1985	−1.0	−2.8	−.9	1.7	−2.6	−3.6	1.6	−2.3	−1.8	−4.8	−2.0
1985–1987	−.4	(NA)	2.1	−.7	−2.5	−1.0	−.7	(NA)	.6	−2.2	.7
Hours:											
1970	97.3	130.2	97.2	125.1	104.7	107.4	107.9	131.2	114.6	118.1	121.7
1980	101.7	89.6	105.5	98.0	94.6	98.7	101.2	93.6	92.3	90.1	98.1
1985	98.7	75.4	101.2	104.3	77.5	80.2	109.8	79.9	84.7	70.7	85.7
1986	97.8	73.8	103.8	106.9	75.6	82.2	108.7	81.1	84.5	69.0	86.3
1987	98.7	(NA)	106.9	102.7	73.7	82.6	108.0	(NA)	84.9	68.0	85.7
Average annual percent change:											
1970–1980	.4	−3.7	.8	−2.4	−1.0	−.8	−.6	−3.3	−2.1	−2.7	−2.1
1980–1985	−.6	−3.4	−.8	1.2	−3.9	−4.1	1.6	−3.1	−1.7	−4.7	−2.7
1985–1987	-	(NA)	2.8	−.7	−2.5	1.5	−.8	(NA)	.1	−1.9	-

- Represents or rounds to zero. NA Not available. [1] Includes West Berlin. [2] Compensation includes, but real hourly compensation excludes, adjustments for payroll and employment taxes that are not compensation to employees, but are labor costs to employers. [3] Index of hourly compensation divided by the index of consumer prices to adjust for changes in purchasing power. [4] Indexes in national currency adjusted for changes in prevailing exchange rates.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, and *News Release* USDL 88–326, "International Comparisons of Manufacturing Productivity and Labor Cost Trends," July 6, 1988.

No. 1431. Crude Steel Production and Consumption: 1975 to 1985

[Production data cover both ingots and steel for castings and exclude wrought (puddled) iron. Consumption data represent apparent consumption (i.e. production plus imports minus exports) and do not take into account changes in stocks]

COUNTRY	PRODUCTION (mil. metric tons)				CONSUMPTION							
					Total (mil. metric tons)				Per capita (kilograms)			
	1975	1980	1984	1985	1975	1980	1984	1985	1975	1980	1984	1985
World	**642.5**	**699.4**	**677.1**	**679.5**	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
United States	[1] 105.8	[1] 101.5	[1] 83.9	[1] 80.1	116.8	115.6	113.3	107.3	541	508	479	448
Argentina	2.0	2.6	2.5	2.8	4.2	3.4	2.7	(NA)	163	120	88	(NA)
Australia	[2] 7.9	[2] 7.9	[2] 4.6	[2] 6.3	6.3	6.1	5.7	5.8	453	414	389	386
Austria	4.1	4.6	4.9	4.7	2.2	2.7	1.9	1.8	284	358	257	205
Bangladesh	.1	.1	.1	.1	.2	.4	.4	.5	2	4	4	5
Belgium	11.6	12.3	11.4	10.8	[3] 3.2	[3] 3.2	[3] 3.6	[3] 2.8	[3] 314	[3] 313	[3] 354	[3] 275
Brazil	7.8	10.2	10.8	9.1	11.1	14.2	9.3	(NA)	106	117	70	(NA)
Bulgaria	2.3	2.6	2.9	2.9	2.2	2.8	2.9	3.0	252	315	323	336
Canada	13.0	15.9	14.7	13.5	13.2	12.9	13.2	11.9	581	538	525	471
China: Mainland	23.9	37.1	43.5	46.8	29.1	43.3	57.9	66.6	31	44	55	83
Czechoslovakia	14.3	15.2	14.8	15.0	10.8	11.2	10.8	11.0	731	729	700	709
East Germany	6.5	7.3	7.6	7.9	9.5	9.8	8.9	9.5	566	583	536	574
France	21.5	23.2	19.0	19.1	19.3	20.0	15.2	14.2	385	372	276	256
Greece	[4] 1.0	[4] 1.1	.8	1.0	1.3	2.0	1.5	1.6	143	206	149	164
India	7.9	9.4	10.3	11.1	8.4	11.5	(NA)	(NA)	14	17	(NA)	(NA)
Indonesia	.1	.4	1.0	1.4	1.4	2.3	2.5	2.3	11	16	16	14
Italy	21.8	26.5	24.1	23.9	17.8	26.1	20.9	20.7	321	463	367	362
Japan	102.3	111.4	105.6	105.3	64.7	73.4	68.5	66.7	580	629	571	553
Mexico	5.2	7.0	7.3	7.2	6.1	10.6	8.6	8.3	102	152	113	105
Netherlands	4.8	5.0	3.5	3.4	4.5	4.6	4.3	4.4	332	328	295	305
Nigeria	(NA)	(Z)	.2	.3	1.4	2.0	.6	.9	21	24	7	8
North Korea	[4] 2.9	[4] 5.2	6.5	6.5	2.9	5.9	6.3	8.4	186	326	319	413
Pakistan	(NA)	(NA)	(NA)	(NA)	.5	.6	.7	.7	8	8	7	7
Philippines	(NA)	(NA)	(NA)	(NA)	1.0	1.2	.6	.5	24	25	12	9
Poland	14.6	18.6	15.2	15.4	17.8	19.3	15.3	15.2	524	542	416	409
Romania	9.5	13.2	14.4	13.8	9.8	12.1	11.5	10.9	463	545	509	480
South Africa	6.6	9.1	7.8	8.6	[5] 7.5	[5] 6.6	[5] 5.4	(NA)	[5] 259	[5] 232	[5] 172	(NA)
South Korea	2.0	5.8	5.1	4.9	1.8	4.9	8.1	(NA)	52	128	198	(NA)
Soviet Union	141.3	147.9	154.2	154.7	141.0	(NA)	(NA)	(NA)	554	(NA)	(NA)	(NA)
Spain	11.1	12.6	13.4	14.7	10.9	8.9	6.5	9.9	306	238	170	257
Sweden	5.6	4.2	4.7	4.9	6.3	4.1	3.7	3.2	773	498	441	384
Turkey	1.5	1.7	2.8	3.1	2.7	3.4	5.1	(NA)	68	77	105	(NA)
United Kingdom	20.1	11.3	15.1	15.7	21.0	13.8	14.4	14.4	376	246	255	254
Venezuela	.9	1.8	2.8	3.1	2.3	3.0	3.0	3.2	185	199	177	186
Vietnam	(NA)	(NA)	(NA)	(NA)	.2	.2	.1	.1	4	4	2	1
West Germany	40.4	43.8	39.4	39.2	30.3	33.8	29.9	29.3	489	549	459	481
Yugoslavia	2.9	2.3	2.0	2.1	5.3	5.7	5.0	5.1	248	255	217	221

NA Not available. Z Less than 50,000 metric tons. [1] Excludes steel for castings made in foundries operated by companies not producing ingots. [2] Year ending June 30. [3] Luxembourg included with Belgium. [4] Data from U.S. Bureau of Mines. [5] Including Botswana, Lesotho, Namibia, and Swaziland.

Source: Statistical Office of the United Nations, New York, NY, *Statistical Yearbook*. (Copyright.)

No. 1432. World Production of Major Mineral Commodities, by Selected Commodity: 1982 to 1986

[Metric ton = 1.023 short tons]

COMMODITY	Unit	1982	1983	1984	1985, prel.	1986, est.	Leading producers, 1986
MINERAL FUELS							
Coal	Mil. metric tons	3,913	4,010	4,204	4,421	4,508	China: Mainland, U.S., Soviet Union
Gas, natural, marketed	Tril. cu. ft	54.5	54.7	59.5	61.7	63.1	Soviet Union, U.S., Canada.
Natural gas liquids [1]	Mil. barrels [2]	1,393	1,439	1,626	1,608	1,645	U.S., Soviet Union, Saudi Arabia.
Petroleum, crude	Mil. barrels [2]	19,414	19,233	19,807	19,471	20,369	Soviet Union, U.S., Saudi Arabia.
Petroleum, refined	Mil. barrels [2]	20,830	20,449	22,172	21,361	22,106	U.S., Soviet Union, Japan.
NONMETALLIC MINERALS							
Cement, hydraulic	Mil. metric tons	888	917	941	958	998	China: Mainland, Soviet Union, U.S.
Diamond, gem and industrial [1]	1,000 carats	40,431	55,392	63,427	66,145	91,833	Australia, Zaire, Botswana.
Nitrogen in ammonia	Mil. metric tons	75.9	79.4	86.1	88.0	87.0	Soviet Union, China: Mainland, U.S.
Phosphate rock	Mil. metric tons	127	139	150	147	137	U.S., Soviet Union, Morocco.
Potash, marketable	Mil. metric tons	24.5	27.4	29.3	29.1	28.2	Soviet Union, Canada, East Germany
Salt	Mil. metric tons	164	159	173	174	174	U.S., China: Mainland, Soviet Union
Sulfur, elemental basis	Mil. metric tons	50.6	50.3	52.5	54.6	54.2	U.S., Soviet Union, Canada.
METALS							
Aluminum [3]	Mil. metric tons	13.4	13.9	15.7	15.4	15.3	U.S., Soviet Union, Canada.
Bauxite, gross weight	Mil. metric tons	80.9	80.2	89.4	85.9	87.5	Australia, Guinea, Jamaica.
Chromite, gross weight [1]	1,000 metric tons	8,480	8,222	9,758	10,551	10,336	South Africa, Soviet Union, Albania.
Copper, metal content [4]	1,000 metric tons	7,622	7,662	7,974	8,088	8,156	Chile, U.S., Canada.
Gold, metal content	Mil. troy ounces	43.1	45.0	46.5	48.7	50.9	South Africa, Soviet Union, U.S.
Iron ore, gross weight [5]	Mil. metric tons	781	740	835	851	862	Soviet Union, Brazil, Australia.
Lead, metal content [4]	1,000 metric tons	3,448	3,358	3,252	3,394	3,247	Soviet Union, Australia, U.S.
Manganese ore, gross weight	Mil. metric tons	24.2	21.9	23.7	24.4	24.2	Soviet Union, South Africa, Brazil.
Nickel, metal content [4]	1,000 metric tons	621	675	770	802	784	Soviet Union, Canada, Australia.
Steel, crude	Mil. metric tons	644	663	710	717	707	Soviet Union, Japan, U.S.
Tin, metal content [4]	1,000 metric tons	219	197	198	189	180	Malaysia, Brazil, Soviet Union.
Zinc, metal content [4]	1,000 metric tons	6,125	6,368	6,602	6,857	6,853	Canada, Soviet Union, Australia.

[1] Excludes China: Mainland. [2] 42-gallon barrels. [3] Unalloyed ingot metal. [4] Mine output. [5] Includes iron ore concentrates and iron ore agglomerates.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1433. Energy Consumption and Production, by Country: 1980 and 1986

[Metric ton=1.1023 short tons. See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	ENERGY CONSUMED [1] (coal equiv.)				ELECTRIC ENERGY PRODUCTION [2] (bil. kWh)		CRUDE PETROLEUM PRODUCTION [3] (mil. metric tons)		COAL PRODUCTION [4] (mil. metric tons)	
	Total (mil. metric tons)		Per capita (kilograms)							
	1980	1986	1980	1986	1980	1986	1980	1986	1980	1986
World, total	**8,544.3**	**9,321.9**	**1,919**	**1,896**	**8,247**	**9,962**	**2,979**	**2,800**	**2,728**	**3,195**
United States	2,364.5	2,278.1	10,386	9,489	[5] 2,354	[5] 2,583	424.2	428.2	710.4	739.9
Algeria	24.8	28.5	1,327	1,273	7.1	12.7	47.4	27.9	(Z)	[6] (Z)
Argentina	49.3	53.9	1,746	1,737	39.7	49.0	25.3	22.3	.4	.4
Australia [7]	91.2	106.5	6,195	6,700	96.1	127.7	18.9	25.3	72.5	133.4
Austria	30.5	30.2	4,058	4,024	42.0	44.1	1.5	1.1	(Z)	(Z)
Bahrain	4.4	6.6	12,651	14,664	1.7	3.0	2.4	2.1	(NA)	(NA)
Bangladesh	3.8	6.4	44	62	2.7	5.1	(Z)	(Z)	(X)	(X)
Belgium	50.1	56.3	5,997	5,577	53.6	57.6	(X)	(X)	6.3	[8] 5.6
Brazil	92.5	105.4	763	761	139.5	201.6	9.1	28.8	5.2	7.4
Bulgaria	47.3	52.7	5,254	5,780	34.8	41.8	[6] .3	[6] .3	.3	.2
Burma	2.2	3.2	62	85	1.3	2.2	1.6	[6] 1.4	(Z)	[6] .1
Canada	254.2	249.1	10,547	9,694	377.5	468.6	70.4	72.1	20.2	30.5
Chile	11.4	11.3	1,025	921	11.8	14.8	1.6	1.5	1.0	1.6
China: Mainland	562.8	742.8	571	706	300.8	444.1	105.9	130.6	595.8	[8] 840.0
Taiwan [9]	37.8	49.8	2,126	2,550	43.8	63.4	.2	.1	2.6	1.7
Colombia	23.8	22.8	923	779	22.9	27.0	6.5	15.7	4.9	[6] 10.7
Cuba	13.6	14.4	1,394	1,424	9.9	13.2	.3	.9	(X)	(X)
Czechoslovakia	97.4	97.8	6,364	6,258	72.7	84.8	.1	.1	[8] 28.3	[8] 25.7
Denmark	26.9	27.3	5,254	5,331	27.1	30.7	.3	3.6	(X)	(X)
East Germany	121.8	133.3	7,276	7,944	98.8	115.3	.1	(Z)	(Z)	(Z)
Ecuador	5.7	6.3	708	656	3.4	5.3	10.4	14.6	(NA)	(NA)
Egypt	20.1	33.7	488	702	18.9	25.1	29.4	40.2	(X)	(X)
Ethiopia	.9	.8	27	19	.7	.8	(X)	(X)	(NA)	(NA)
Finland	26.4	27.6	5 514	5,623	[5] 38.7	[5] 46.9	(X)	(X)	(X)	(X)
France [10]	237.3	212.8	4 409	3,881	[5] 246.4	[5] 343.0	1.2	2.9	[8] 20.2	[6] 16.3
Greece	20.1	24.3	2,088	2,455	22.7	28.2	(Z)	1.3	(X)	(X)
Hong Kong	7.3	10.0	1,448	1,764	12.6	21.4	(NA)	(NA)	(X)	(X)
Hungary	40.6	39.9	3,787	3,735	23.9	28.1	2.0	2.0	[8] 3.1	[8] 2.3
India	139.4	210.2	202	272	119.3	202.6	9.4	31.1	109.1	166.1
Indonesia	34.7	47.5	230	280	14.2	29.9	77.6	71.0	.3	1.7
Iran	[11] 45.7	52.8	[11] 1,177	1,150	[11] 22.4	36.8	[11] 72.7	[6] 93.4	[6] [11] .9	[6] .8
Iraq	10.7	11.1	807	678	11.4	18.9	130.1	82.7	(NA)	(NA)
Ireland	11.1	13.0	3,268	3,556	10.9	12.3	(X)	(X)	.1	.1
Israel	8.8	11.0	2,273	2,546	12.5	16.3	(Z)	(Z)	(X)	(X)
Italy [12]	174.9	184.2	3,112	3,211	185.7	189.0	1.8	2.5	[6] (Z)	(Z)
Japan	434.8	440.2	3,726	3,625	577.5	671.8	.4	.6	18.0	16.0
Kuwait [13]	6.9	14.7	5,019	7,773	9.4	17.3	84.1	71.5	(NA)	(NA)
Libya	7.3	13.5	2,456	3,597	4.8	9.0	88.3	49.7	(X)	(X)
Malaysia	12.2	16.7	882	1,048	10.2	16.1	13.2	24.5	(X)	(X)
Mexico	118.6	129.8	1,709	1,604	[5] 67.0	[5] 97.5	99.9	[6] 126.2	7.0	[6] 8.5
Morocco	6.4	7.3	319	323	4.9	7.2	(Z)	[6] (Z)	.7	[6] .8
Netherlands	93.0	104.8	6,543	7,200	64.8	67.1	1.3	4.6	(Z)	[14] (Z)
New Zealand	10.0	13.1	3,152	3,910	22.0	28.2	.3	[6] 1.3	2.0	[6] 2.1
Nigeria	11.0	16.9	136	171	7.2	9.9	104.2	72.8	.2	.1
North Korea	48.5	57.9	2,713	2,771	35.0	50.0	(X)	(X)	[6] 36.0	[6] 39.5
Norway [15]	26.3	27.5	6,423	6,618	84.1	96.4	24.6	40.5	.3	.6
Pakistan	16.6	25.6	191	249	15.3	25.8	.5	1.9	1.5	2.1
Peru	12.0	10.6	693	524	9.8	12.8	9.6	8.8	[6] .1	[6] .2
Philippines	16.7	13.7	346	246	17.9	22.3	.5	.3	.3	1.2
Poland	176.8	176.2	4,935	4,700	121.9	140.3	.3	.2	193.1	192.1
Portugal	11.2	13.5	1,153	1,318	15.3	20.2	(X)	(X)	.2	.2
Romania	100.0	103.9	4,505	4,483	67.5	71.6	11.5	[6] 10.5	8.1	[6] 8.7
Saudi Arabia [13]	25.3	48.8	2,745	4,148	18.9	32.9	495.9	251.7	(NA)	(NA)
South Africa [16]	90.2	106.2	2,751	2,779	90.4	122.3	(X)	(X)	116.6	175.7
South Korea	52.3	68.2	1,373	1,625	40.1	69.8	(X)	(X)	18.6	24.3
Soviet Union	1,473.1	1,797.2	5,549	6,389	1,293.9	1,598.9	603.2	615.0	492.9	512.9
Spain	88.4	85.3	2,359	2,199	110.5	127.7	1.6	1.9	[8] 13.1	[8] 16.0
Sudan	1.5	1.5	82	67	1.0	1.1	(X)	(X)	(NA)	(NA)
Sweden	44.5	40.8	5,376	4,893	96.7	138.0	(Z)	(Z)	(Z)	(Z)
Switzerland [17]	23.3	25.6	3,636	3,990	[5] 48.1	[5] 54.9	(X)	(X)	(X)	(X)
Syria	7.3	13.1	835	1,198	3.8	7.0	8.3	9.3	(X)	(X)

See footnotes at end of table.

NO. 1433. ENERGY CONSUMPTION AND PRODUCTION, BY COUNTRY: 1980 AND 1986—Continued

[Metric ton = 1.1023 short tons. See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	ENERGY CONSUMED [1] (coal equiv.) Total (mil. metric tons) 1980	Total 1986	Per capita (kilograms) 1980	Per capita 1986	ELECTRIC ENERGY PRODUCTION [2] (bil. kWh) 1980	1986	CRUDE PETROLEUM PRODUCTION [3] (mil. metric tons) 1980	1986	COAL PRODUCTION [4] (mil. metric tons) 1980	1986
Tanzania	.8	.9	44	38	.7	.9	(X)	(X)	(Z)	[6] (Z)
Thailand	17.3	23.6	372	451	15.1	25.9	(Z)	1.1	(Z)	(Z)
Trinidad and Tobago	7.5	9.1	6,992	7,587	2.0	3.3	11.0	8.7	(NA)	(NA)
Tunisia	4.1	5.2	639	712	2.8	4.2	5.6	5.2	(X)	(X)
Turkey	31.9	49.0	718	974	23.3	39.7	2.3	2.4	3.6	3.5
United Arab Emirates	16.8	9.7	17,188	6,991	6.3	6.7	82.8	[6] 66.2	(NA)	(NA)
United Kingdom	271.0	302.3	4,850	5,363	284.9	298.2	78.9	121.2	[8] 130.1	[8] 108.1
Venezuela	49.0	60.1	3,140	3,380	35.9	46.7	114.8	94.0	(Z)	.1
Vietnam	6.6	7.3	122	120	3.8	5.2	(NA)	(NA)	5.2	[6] 5.5
West Germany	359.4	344.5	5,829	5,672	368.8	406.4	4.6	[18] 5.6	94.5	87.1
Yugoslavia	48.0	56.9	2,152	2,440	59.4	77.4	4.2	4.2	.4	.4
Zaire	2.0	2.1	69	67	4.2	4.6	1.0	[6] 1.3	.1	[6] .1
Zambia	2.3	1.9	403	281	[5] 9.2	[5] 10.1	(X)	(X)	.6	.5

NA Not available. X Not applicable. Z Less than 50,000 metric tons. [1] Based on apparent consumption of coal, lignite, petroleum products, natural gas, and hydro, nuclear, and geothermal electricity. [2] Comprises production by utilities generating primarily for public use, and production by industrial establishments generating primarily for own use. Relates to production at generating centers, including station use and transmission losses. [3] Includes shale oil, but excludes natural gasoline. [4] Excludes lignite and brown coal, except as noted. [5] Net production, i.e. excluding station use. [6] United Nations Statistical Office estimate. [7] For year ending June 30 of year shown. [8] Includes slurries. [9] Source: U.S. Bureau of the Census. Data from Republic of China publications. [10] Includes Monaco. [11] For year ending March 20 of year shown. [12] Includes San Marino. [13] Includes share of production and consumption in the Neutral Zone. [14] Includes patent fuel and hard coal briquettes. [15] Includes Svalbard and Jan Mayen Islands. [16] Includes Botswana, Lesotho, Namibia, and Swaziland. [17] Includes Liechtenstein. [18] Includes inputs other than crude petroleum and natural gas liquids.

Source: Except as noted, Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook, 1986.* (Copyright.)

NO. 1434. PRIMARY ENERGY PRODUCTION, BY SOURCE OF ENERGY AND REGION: 1970 TO 1986

[**In millions of metric tons of coal equivalent.** See text, section 31, for general comments concerning the data]

SOURCE OF ENERGY AND YEAR	World, total	Africa	United States and Canada	Other Western Hemisphere	Asia	Europe	Soviet Union	Oceania
Total primary energy: 1970	7,045	486	2,309	459	1,601	911	1,216	60
1975	8,087	437	2,225	416	2,287	1,047	1,578	99
1980	9,265	584	2,327	565	2,464	1,270	1,936	119
1983	8,917	502	2,177	616	2,080	1,346	2,053	143
1984	9,268	538	2,357	635	2,139	1,329	2,114	155
1985	9,455	571	2,343	633	2,171	1,402	2,160	175
1986	9,839	578	2,308	644	2,427	1,432	2,259	182
Coal and lignite: 1970	2,148	54	526	8	394	662	459	46
1975	2,306	62	535	11	501	635	501	60
1980	2,626	98	657	15	620	654	510	71
1983	2,719	114	623	18	716	658	499	92
1984	2,839	129	716	19	777	604	497	97
1985	2,965	136	717	22	828	647	506	109
1986	3,071	139	717	24	868	679	524	121
Crude petroleum: [1] 1970	3,433	427	878	398	1,148	56	514	12
1975	3,981	356	801	334	1,674	71	715	29
1980	4,497	444	816	437	1,681	210	879	30
1983	3,982	336	799	477	1,184	275	882	29
1984	4,044	355	825	497	1,161	295	877	33
1985	4,011	371	831	490	1,124	304	852	40
1986	4,222	371	808	492	1,318	311	880	41
Natural gas: 1970	1,311	3	852	42	39	145	228	2
1975	1,577	14	802	53	81	276	344	6
1980	1,840	35	752	85	117	320	517	14
1983	1,856	45	639	88	123	305	636	19
1984	1,990	48	693	83	140	307	698	21
1985	2,052	57	667	82	152	317	756	22
1986	2,103	62	648	88	169	303	809	24
Hydro and nuclear electricity: [2] 1970	154	3	53	10	20	49	16	3
1975	224	5	85	16	30	65	18	4
1980	301	7	102	28	45	86	30	4
1983	361	6	117	33	57	108	36	4
1984	395	6	123	36	61	122	42	4
1985	428	6	128	39	67	135	47	5
1986	444	7	135	40	72	139	46	5

[1] Includes natural gas liquids. [2] Includes geothermal.

Source: Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook 1986.* (Copyright.)

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No. 1435. Indices of Food Production: 1980 to 1987

[1976-1978 = 100. For explanation of annual percent change, see Guide to Tabular Presentation. Minus sign (−) indicates decrease]

REGION AND COUNTRY	TOTAL FOOD PRODUCTION						PER CAPITA FOOD PRODUCTION					
	1980	1985	1986	1987	Average annual percent change		1980	1985	1986	1987	Average annual percent change	
					1980-1987	1986-1987					1980-1987	1986-1987
World	**104**	**120**	**120**	**118**	**1.8**	**−1.7**	**99**	**104**	**103**	**100**	**.1**	**−2.9**
Developed countries	105	114	113	111	.8	−1.8	102	108	106	103	.1	−2.8
United States	102	117	112	108	.8	−3.6	99	107	102	98	−.1	−3.9
Canada	103	120	131	126	2.9	−3.8	100	110	119	113	1.8	−5.0
Western Europe	112	117	117	116	.5	−.9	111	114	114	113	.3	−.9
Japan	90	102	101	98	1.2	−3.0	88	96	95	91	.5	−4.2
Oceania	98	113	111	106	1.1	−4.5	95	102	100	94	−.2	−6.0
South Africa	109	108	108	112	.4	3.7	101	89	87	88	−2.0	1.2
Centrally planned countries	101	120	122	121	2.6	−.8	98	110	110	108	1.4	−1.8
Soviet Union	95	101	108	107	1.7	−.9	92	94	100	97	.8	−3.0
Eastern Europe	97	106	111	108	1.6	−2.7	95	102	106	103	1.2	−2.8
China: Mainland	119	176	168	165	4.8	−1.8	114	159	146	145	3.5	−.7
Developing countries	107,	125	127	125	2.3	−1.6	100	103	102	98	−.3	−2.0
East Asia	89	109	110	113	3.5	2.7	85	96	96	97	1.9	1.0
South Asia	103	124	125	115	1.6	−8.0	96	119	119	113	2.4	−5.0
Middle East	103	126	135	136	4.1	.7	95	98	102	100	.7	−2.0
Sub-Saharan Africa	107	122	124	119	1.5	−4.0	99	97	96	89	−1.5	−7.3
North Africa	110	126	132	130	2.4	−1.5	101	100	102	98	−.4	−3.9
Latin America	112	120	123	126	1.7	2.4	104	102	99	101	−.4	2.0

Source: U.S. Dept. of Agriculture, Economic Research Service, *World Food Needs and Availabilities, 1987/88*, July 1987 and unpublished data.

No. 1436. Wheat, Rice and Corn—Exports and Imports of 10 Leading Countries: 1984 to 1986

[**In thousands of metric tons.** Countries listed are the ten leading exporters or importers in 1986]

LEADING EXPORTERS	EXPORTS			LEADING IMPORTERS	IMPORTS		
	1984	1985	1986		1984	1985	1986
WHEAT				WHEAT			
United States	42,243	24,810	24,555	Soviet Union	26,700	20,309	14,125
Australia	10,535	15,704	16,109	China: Mainland	10,539	6,135	6,882
Canada	21,091	16,983	15,957	Japan	5,978	5,510	5,620
France	13,617	16,943	13,367	Italy	4,019	4,534	5,259
Argentina	7,245	9,583	4,030	Egypt	4,520	4,524	4,660
United Kingdom	2,175	1,886	3,987	South Korea	2,649	2,986	3,449
West Germany	1,803	1,045	2,143	West Germany	1,593	3,083	2,393
Hungary	1,271	2,002	1,670	Iran	2,604	2,700	2,350
Soviet Union	1,621	1,250	1,100	Algeria	2,006	3,030	2,300
Greece	1,011	345	546	Brazil	4,868	4,041	2,250
RICE				RICE			
Thailand	4,616	4,062	4,524	Brazil	-	339	1,310
United States	2,141	1,940	2,392	Iraq	510	550	525
Pakistan	1,265	719	1,316	Vietnam	284	422	500
China: Mainland	1,370	1,046	990	Soviet Union	150	321	493
Italy	536	727	676	Iran	588	420	400
Burma	720	470	500	Senegal	371	336	378
Uruguay	152	242	261	Ivory Coast	321	342	375
India	200	250	250	Saudi Arabia	490	428	375
Australia	246	341	178	Hong Kong	366	378	368
Indonesia	-	259	138	China: Mainland	103	213	330
CORN				CORN			
United States	49,104	44,033	27,099	Japan	14,170	14,225	14,653
Argentina	5,518	7,069	7,375	Soviet Union	12,200	16,600	6,900
France	5,208	4,457	5,799	South Korea	3,065	3,406	3,671
China: Mainland	952	6,338	5,643	China: Mainland	3,015	3,108	3,664
Thailand	3,117	2,752	3,981	Brazil	254	262	2,225
South Africa	40	400	1,800	Egypt	1,582	1,907	2,140
Yugoslavia	685	900	1,798	Netherlands	2,229	2,374	1,977
Greece	48	209	580	Mexico	2,498	3,066	1,704
Hungary	198	228	478	United Kingdom	1,473	1,455	1,482
Zimbabwe	2	189	436	Belgium-Luxembourg	2,860	1,930	1,466

- Represents or rounds to zero.

Source: U.S. Dept. of Agriculture, Economic Research Service. Data from Food and Agriculture Organization of the United Nations, Rome, Italy, *FAO Trade Yearbook*.

No. 1437. Wheat, Rice, and Corn Production, by Country: 1984 to 1986

[**In thousands of metric tons.** Rice data cover rough and paddy. Data for each country pertain to the calendar year in which all or most of the crop was harvested. See text, section 31, for general comments concerning quality of the data]

COUNTRY	WHEAT			RICE			CORN		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
World, total	**516,457**	**506,034**	**535,842**	**470,284**	**474,728**	**475,533**	**452,753**	**488,325**	**480,889**
United States	70,618	65,999	56,792	6,296	6,120	6,097	194,928	225,478	209,632
Argentina	13,220	8,700	8,900	476	410	405	9,500	11,530	12,400
Australia	18,666	16,127	17,356	632	864	687	238	291	225
Belgium [1]	1,330	1,215	[2] 1,265	(NA)	(NA)	(NA)	53	[2] 90	[2] 58
Brazil	1,983	4,323	5,433	9,027	9,019	10,399	21,164	22,020	20,510
Burma	214	206	246	14,255	15,219	[3] 15,000	303	323	[3] 350
Canada	21,199	24,252	31,850	(NA)	(NA)	(NA)	7,024	7,472	6,694
China: Mainland [3]	87,817	85,812	89,002	181,193	171,417	177,000	73,600	64,056	65,560
Egypt	1,815	1,872	1,929	2,236	2,310	[2] 2,450	3,170	[2] 3,982	[2] 3,801
France	32,977	28,890	26,587	36	62	60	10,493	12,409	10,792
Greece	2,308	1,789	2,200	92	103	102	2,091	1,948	2,070
Hungary	7,392	6,578	5,803	33	38	44	6,686	6,818	7,214
India	45,476	44,069	46,885	87,553	96,306	90,000	8,442	6,890	8,000
Indonesia	(NA)	(NA)	(NA)	38,136	39,033	39,275	5,288	4,330	5,767
Iran	[3] 5,500	6,661	7,128	1,600	1,523	1,569	[2] 50	[2] 50	[3] 50
Iraq	471	1,406	[2] 1,100	109	149	[3] 145	30	41	[3] 38
Italy	10,057	8,516	9,070	1,009	1,123	1,082	6,672	6,309	6,560
Japan	741	874	876	14,848	14,578	14,559	2	2	1
Mexico	4,505	5,207	4,772	484	809	523	12,910	13,957	12,164
Pakistan	10,882	11,703	13,923	4,973	4,437	5,241	1,028	1,009	1,067
South Korea	17	11	[2] 5	7,970	7,855	7,790	133	132	113
Soviet Union	68,600	78,100	92,300	2,720	2,570	2,600	13,600	14,400	12,500
Sweden	1,776	1,338	1,714	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Thailand	(NA)	(NA)	(NA)	19,905	20,264	19,100	4,226	4,934	4,187
United Kingdom	14,970	12,046	13,874	(NA)	(NA)	(NA)	[3] 1	[3] 1	[3] 1
Vietnam	(NA)	(NA)	(NA)	15,506	15,875	16,197	525	600	[2] 600
West Germany	10,223	9,866	10,406	(NA)	(NA)	(NA)	1,026	1,204	1,302
Yugoslavia	5,595	4,859	4,776	36	36	48	11,312	9,896	12,502

NA Not available. [1] Includes Luxembourg. [2] Unofficial figure. [3] FAO estimate.

Source: Food and Agriculture Organization of the United Nations, Rome, Italy, *1986 FAO Production Yearbook*, vol. 40 (copyright).

No. 1438. Fisheries—Commercial Catch, by Country: 1982 to 1986

[**In billions of pounds, live weight.** Catch of fish, crustaceans, mollusks (including weight of shells), and other aquatic plants and animals, except whales and seals]

COUNTRY	1982	1983	1984	1985	1986
World total [1]	**169.2**	**170.3**	**183.2**	**190.6**	**203.2**
United States	8.8	9.4	10.6	10.5	10.9
Canada	3.1	3.0	2.8	3.1	3.2
Chile	8.1	8.8	9.9	10.6	12.3
China: Mainland [2]	10.9	11.5	13.1	14.9	17.6
Denmark	4.2	4.1	4.1	3.9	4.1
Iceland	1.7	1.8	3.4	3.7	3.7
India	5.2	5.5	6.3	6.2	6.4
Indonesia	4.4	4.9	4.4	5.2	5.6
Japan	23.9	24.8	26.5	25.2	26.4
Mexico	2.9	2.3	2.4	2.7	2.9
North Korea (est.)	3.4	3.5	3.6	3.7	3.7
Norway	5.5	6.3	5.4	4.7	4.2
Peru	7.6	3.5	7.4	9.2	12.4
Philippines	3.9	4.4	4.3	4.1	4.3
South Korea	5.0	5.3	5.5	5.8	6.8
Soviet Union	22.0	21.5	23.4	23.2	24.8
Spain	3.0	2.9	2.9	3.0	2.8
Thailand	4.7	5.0	4.7	4.5	4.7

[1] Includes other countries not shown separately. [2] Includes data for Taiwan.

Source: U.S. National Oceanic and Atmospheric Administration, Marine Fisheries Service, *Fisheries of the United States*, annual. Data from Food and Agricultural Organization of the United Nations, Rome, Italy.

No. 1439. Meat—Production, by Country: 1980 to 1986

[**In thousands of metric tons, carcass weight.** Covers beef and veal (incl. buffalo meat), pork (incl. bacon and ham), and mutton and lamb (incl. goat meat). Refers to meat from animals slaughtered within the national boundaries irrespective of origin of animals, and relates to commercial and farm slaughter. Excludes lard, tallow, and edible offals. See text, section 31, for general comments concerning the data]

COUNTRY	1980	1985	1986, est.
World, total	**101,594**	**112,175**	**114,941**
United States	17,660	17,874	17,831
Argentina	3,214	3,104	3,136
Australia [1]	2,332	2,096	2,232
Brazil	3,093	3,021	3,029
China: Mainland	12,379	17,977	19,538
France	3,815	3,879	3,812
Italy	2,300	2,458	2,484
Japan	1,893	2,087	2,109
Mexico	2,014	2,256	2,399
Poland	2,397	2,192	2,461
Soviet Union	12,668	14,023	14,386
United Kingdom	2,305	2,419	2,329
West Germany	4,750	4,845	5,050

[1] Year ending June 30.

Source: Statistical Office of the United Nations, New York, NY, *Statistical Yearbook*. (Copyright.)

No. 1440. FOREIGN TRADE OF SELECTED COUNTRIES—SOURCE OF IMPORTS AND DESTINATION OF EXPORTS: 1987

[In billions of dollars, except percent. All exports are f.o.b. (free on board) and all imports are c.i.f. (cost insurance freight) except for U.S., Australian and Canadian imports, which are f.o.b.]

COUNTRY	Total [1]	O.E.C.D. [2]		Soviet Union and Eastern Europe	China: Mainland, Vietnam, North Korea	O.P.E.C. [4]	Other developing countries [5]	Africa	America [6]	Middle East [7]	Far East [8]
		Total	E.E.C. [3]								
IMPORTS											
United States	405.9	254.4	81.2	1.9	6.3	24.0	119.4	11.9	46.9	10.8	72.8
Australia	23.9	18.8	5.8	.1	.3	.8	3.9	.2	.3	.7	3.2
Austria	32.6	27.5	22.2	2.2	.1	.7	2.0	.7	.4	.3	.9
Belgium [9]	83.0	72.4	60.1	1.9	.2	2.3	6.1	3.4	1.4	1.7	1.8
Canada	87.6	78.0	10.2	.2	.6	1.1	7.7	.6	3.0	.4	4.7
Denmark	25.5	22.0	13.3	.7	.2	.4	2.0	.2	.8	.3	.9
France	157.2	126.8	96.0	4.4	1.1	6.9	15.8	8.6	3.6	4.1	5.7
Italy	124.7	93.9	70.5	5.1	1.0	10.2	14.3	9.6	3.3	6.0	3.7
Japan	150.9	70.1	17.9	2.8	7.9	26.9	43.2	4.1	6.3	20.1	39.0
Netherlands	91.1	75.6	58.4	2.3	.4	4.9	7.9	2.9	2.2	3.6	3.8
Spain	48.6	36.1	26.7	1.3	.3	4.6	6.2	3.6	3.0	2.4	1.7
Sweden	40.7	35.7	23.3	1.7	.2	.5	2.6	.3	.8	.3	1.6
Switzerland	50.4	45.4	36.4	.7	.2	.7	3.5	.9	1.1	.5	1.5
United Kingdom	153.6	130.2	81.1	2.8	.6	2.5	16.8	3.7	3.0	2.3	9.5
West Germany	227.3	184.5	120.2	8.7	2.0	6.2	25.7	7.4	6.4	2.7	12.1
Percent distribution:											
United States	100.0	62.7	20.0	.5	1.6	5.9	29.4	2.9	11.5	2.7	17.9
Australia	100.0	78.8	24.3	.3	1.4	3.2	16.1	.9	1.1	2.8	13.5
Austria	100.0	84.5	68.0	6.8	.3	2.1	6.2	2.2	1.4	.8	2.9
Belgium [9]	100.0	87.2	72.4	2.2	.3	2.7	7.4	4.1	1.7	2.1	2.1
Canada	100.0	89.0	11.6	.3	.7	1.3	8.8	.7	3.4	.5	5.4
Denmark	100.0	86.4	52.2	2.8	1.0	1.6	8.0	.7	3.1	1.3	3.6
France	100.0	80.7	61.0	2.8	.7	4.4	10.1	5.5	2.3	2.6	3.6
Italy	100.0	75.3	56.5	4.1	.8	8.2	11.5	7.7	2.6	4.8	3.0
Japan	100.0	46.4	11.8	1.9	5.2	17.8	28.6	2.7	4.2	13.3	25.9
Netherlands	100.0	83.1	64.1	2.5	.4	5.3	8.7	3.2	2.4	4.0	4.2
Spain	100.0	74.2	54.8	2.6	.5	9.5	12.8	7.4	6.2	4.9	3.4
Sweden	100.0	87.7	57.3	4.1	.5	1.2	6.5	.7	2.0	.8	3.8
Switzerland	100.0	90.0	72.1	1.4	.3	1.4	6.9	1.9	2.2	.9	3.0
United Kingdom	100.0	84.7	52.8	1.8	.4	1.6	11.0	2.4	1.9	1.5	6.2
West Germany	100.0	81.2	52.9	3.8	.9	2.7	11.3	3.3	2.8	1.2	5.3
EXPORTS											
United States	252.9	163.5	60.6	2.2	3.5	11.1	72.5	6.3	35.0	9.5	32.0
Australia	22.5	13.5	3.3	.9	1.1	1.4	5.3	.5	.2	1.2	4.0
Austria	27.1	22.0	17.2	2.4	.2	.8	1.7	.6	.3	.6	.5
Belgium [9]	82.8	73.0	61.7	1.1	.3	1.5	6.5	2.0	.7	2.3	2.7
Canada	94.4	85.8	7.2	.8	1.1	1.2	5.5	.8	2.4	.6	2.9
Denmark	25.7	22.1	12.4	.4	.2	.5	2.3	.5	.7	.5	.8
France	142.8	112.6	86.3	3.1	.9	6.1	20.0	11.2	4.9	3.7	4.8
Italy	116.1	93.0	65.1	3.6	1.1	5.9	12.0	5.6	2.5	4.4	3.2
Japan	231.3	143.1	38.3	3.3	8.7	11.5	64.7	5.6	8.2	8.0	53.4
Netherlands	92.6	81.7	69.3	1.3	.2	2.2	6.4	2.5	1.2	1.8	2.6
Spain	34.0	27.0	21.7	.5	.3	1.6	4.0	2.0	1.5	1.0	.7
Sweden	44.5	39.8	22.7	.9	.3	.9	3.7	1.0	.8	.8	1.7
Switzerland	45.3	35.6	25.2	1.5	.4	1.9	5.9	1.1	1.4	2.1	2.7
United Kingdom	130.5	102.7	64.6	1.8	.7	7.5	17.0	5.5	2.5	7.5	8.0
West Germany	293.8	245.4	155.1	9.9	2.9	8.0	27.1	7.8	6.3	7.1	10.2
Percent distribution:											
United States	100.0	64.6	24.0	.9	1.4	4.4	28.7	2.5	13.8	3.8	12.7
Australia	100.0	59.8	14.9	3.9	4.9	6.1	23.6	2.4	.9	5.2	17.9
Austria	100.0	81.2	63.4	9.0	.6	2.9	6.3	2.1	1.0	2.1	1.8
Belgium [9]	100.0	88.1	74.4	1.3	.3	1.8	7.8	2.5	.9	2.7	3.2
Canada	100.0	90.9	7.6	.8	1.2	1.3	5.9	.8	2.5	.7	3.1
Denmark	100.0	86.1	48.4	1.5	.7	2.1	9.0	1.8	2.7	2.1	3.0
France	100.0	78.8	60.4	2.2	.6	4.3	14.0	7.8	3.4	2.6	3.4
Italy	100.0	80.1	56.1	3.1	1.0	5.1	10.3	4.9	2.2	3.8	2.8
Japan	100.0	61.9	16.6	1.4	3.8	5.0	28.0	2.4	3.5	3.5	23.1
Netherlands	100.0	88.2	74.9	1.4	.2	2.4	6.9	2.7	1.3	2.0	2.8
Spain	100.0	79.5	63.8	1.6	.8	4.6	11.8	5.9	4.3	2.9	1.9
Sweden	100.0	87.1	51.0	2.1	.6	2.1	8.2	2.3	1.8	1.9	3.7
Switzerland	100.0	78.7	55.8	3.3	.9	4.2	12.9	2.5	3.2	4.7	6.1
United Kingdom	100.0	78.7	49.5	1.4	.5	5.7	13.0	4.2	2.0	5.8	6.1
West Germany	100.0	83.5	52.8	3.4	1.0	2.7	9.2	2.7	2.1	2.4	3.5

[1] Includes other areas not shown separately. [2] Organization for Economic Cooperation and Development. For member countries, see text, section 31. [3] European Economic Community comprises Belgium-Luxembourg, Denmark, France, Greece, Ireland, Italy, Netherlands, Portugal, Spain, United Kingdom, and West Germany. [4] Organization of Petroleum Exporting Countries. For member countries, see footnote 4, table 1447. [5] Comprises trade with all countries other than China: Mainland, North Korea, Vietnam, South Africa, Soviet Union, Eastern Europe, and members of O.P.E.C. and O.E.C.D. [6] All countries comprising the continent except Canada and the United States. [7] Comprises Syria, Lebanon, Israel, Gaza Strip, Jordan, Iraq, Saudi Arabia, Yemen (Aden), Yemen (Sanaa), Kuwait, Bahrain, United Arab Emirates, Qatar, Oman, and Iran. [8] All countries comprising the continent of Asia except Japan, China: Mainland, North Korea, Vietnam, and those countries listed under Middle East. [9] Includes Luxembourg.

Source: Organization for Economic Cooperation and Development, Paris, France. Data derived from *Monthly Statistics of Foreign Trade*, series A, July 1988.

No. 1441. Reserve Assets and International Transaction Balances: 1980 to 1987

[In millions of U.S. dollars. Assets include holdings of convertible foreign currencies, special drawing rights, and reserve position in International Monetary Fund and exclude gold holdings. Minus sign (–) indicates debits]

COUNTRY	TOTAL RESERVE ASSETS				CURRENT ACCOUNT BALANCE			MERCHANDISE TRADE BALANCE		
	1980	1985	1987		1980	1985	1987	1980	1985	1987
			Total	Currency holdings¹						
United States	15,600	32,100	34,720	13,090	1,840	–116,430	–153,950	–25,500	–122,150	–160,280
Algeria	3,773	2,819	1,640	1,285	249	1,015	(NA)	4,056	4,223	177
Argentina	6,719	3,273	1,617	1,617	–4,774	–952	–4,285	–1,373	4,878	1,000
Australia	1,690	5,768	8,744	8,107	–4,248	–8,717	–8,676	1,369	–1,284	–512
Austria	5,280	4,767	7,532	6,772	–1,725	–273	–203	–6,617	–4,406	–4,471
Bangladesh	300	337	843	758	–757	–540	–338	–1,560	–1,287	–1,381
Belgium	7,823	4,849	9,620	8,363	–4,945	669	2,920	–5,154	–472	–156
Brazil	5,769	10,605	6,299	6,299	–12,806	–273	(NA)	–2,823	12,466	(NA)
Burma	261	34	27	27	–347	–206	(NA)	–360	–202	(NA)
Cameroon	189	132	64	63	–440	–584	(NA)	38	516	(NA)
Canada	3,041	2,503	7,277	6,218	–967	–1,426	–7,975	8,001	12,580	8,759
Chile	3,123	2,450	2,504	2,463	–1,971	–1,326	–811	–764	850	1,220
China: Mainland	2,545	12,728	16,305	15,236	(NA)	–11,417	(NA)	(NA)	–13,123	(NA)
Colombia	4,831	1,595	3,086	2,924	–206	–1,809	255	–297	–23	1,826
Denmark	3,387	5,429	10,066	9,587	–2,466	–2,728	–2,975	–2,023	–771	812
Ecuador	1,013	718	491	490	–642	149	–1,188	278	1,294	–33
Egypt	1,046	792	1,378	1,378	–438	–2,245	(NA)	–2,960	–4,503	(NA)
Finland	1,870	3,750	6,418	5,989	–1,409	–766	–1,949	–658	878	1,323
France	27,340	26,589	33,049	29,634	–4,208	–35	–5,091	–13,419	–5,276	–8,820
Ghana	180	479	195	179	29	–134	–97	195	–36	–125
Greece	1,346	868	2,681	2,582	–2,209	–3,276	–1,298	–5,557	–5,053	–5,486
Hungary	2,090	3,119	2,272	2,272	–577	–52	–580	–143	610	196
India	6,944	6,420	6,454	5,603	–1,785	–4,214	(NA)	–5,644	–5,616	(NA)
Indonesia	5,392	4,974	5,592	5,483	2,864	–1,923	–1,678	9,170	5,822	4,898
Ireland	2,860	2,940	4,796	4,431	–2,132	–688	400	–2,222	633	2,615
Israel	3,351	3,660	5,876	5,876	–746	1,163	–999	–3,150	–2,415	–3,806
Italy	23,126	15,595	30,214	27,819	–9,901	–3,540	–1,078	–16,887	–6,083	95
Ivory Coast	20	5	9	9	–1,827	64	(NA)	399	1,351	1,142
Japan	24,636	26,719	80,973	75,657	–10,750	49,170	87,000	2,130	55,990	96,460
Kenya	492	391	256	222	–887	–98	(NA)	–1,083	–333	(NA)
Kuwait	3,929	5,471	4,142	3,394	15,302	4,815	4,414	13,877	4,712	3,545
Libya	13,091	5,904	5,838	²5,212	8,214	2,083	(NA)	11,551	4,648	(NA)
Malaysia	4,387	4,912	7,435	7,055	–285	–694	2,336	2,406	3,577	5,825
Mexico	2,960	4,906	12,464	11,758	–8,162	1,237	3,884	–2,830	8,451	8,433
Morocco	399	115	411	407	–1,420	–891	(NA)	–1,355	–1,368	(NA)
Nepal	183	56	178	170	–39	–122	–123	–226	–283	–350
Netherlands	11,645	10,782	16,003	14,174	–1,043	4,031	3,389	–1,415	5,462	5,237
Nigeria	10,235	1,667	1,165	1,165	5,104	1,265	(NA)	11,106	4,353	(NA)
Norway	6,048	13,917	14,277	13,128	1,098	3,051	–4,137	1,896	4,728	–889
Pakistan	496	807	502	486	–921	–1,080	–554	–2,876	–3,230	–2,310
Peru	1,960	1,827	595	595	62	123	(NA)	837	1,172	(NA)
Philippines	2,846	615	968	913	–1,917	–18	–539	–1,939	–482	–1,017
Poland	128	870	1,495	1,495	–3,417	–991	–372	–1,776	347	790
Portugal	795	1,395	3,327	3,205	–1,064	410	640	–4,029	–1,457	–3,375
Romania	323	199	(NA)	(NA)	–2,399	1,239	(NA)	–1,534	1,735	(NA)
Saudi Arabia	23,437	25,004	22,684	10,786	42,754	–12,932	–9,570	75,155	7,029	5,340
Singapore	6,567	12,847	15,227	15,000	–1,507	–4	539	–4,200	–2,829	–2,540
South Africa	726	315	641	639	3,506	2,622	3,002	7,430	5,842	7,163
South Korea	2,925	2,869	3,584	3,566	–5,321	–887	9,854	–4,384	–19	7,659
Spain	11,863	11,175	30,669	29,287	–5,173	2,851	(NA)	–11,728	–4,171	(NA)
Sri Lanka	246	451	279	279	–657	–419	–344	–784	–523	–472
Sudan	49	12	12	12	–320	152	–249	–438	–135	–445
Sweden	3,418	5,793	8,174	7,485	–4,404	–1,309	–873	–2,198	2,385	4,406
Switzerland	15,656	18,016	27,476	27,162	–1,544	6,039	(NA)	–5,891	–1,561	(NA)
Syria	337	85	(NA)	(NA)	251	–952	(NA)	–1,898	–1,951	(NA)
Thailand	1,560	2,190	4,007	3,906	–2,070	–1,537	–529	–1,902	–1,332	–366
Trinidad and Tobago	2,781	1,129	188	113	335	–90	–269	753	756	355
Turkey	1,077	1,056	1,589	1,543	–3,409	–1,030	–984	–4,603	–2,975	–3,234
United Kingdom	20,650	12,860	41,720	38,560	7,063	4,648	–2,664	3,362	–2,458	–15,800
Venezuela	6,604	10,251	5,963	4,535	4,728	3,086	–317	8,174	6,790	2,057
West Germany	48,592	44,380	78,756	72,893	–15,900	17,030	45,230	6,880	28,540	70,160
Yugoslavia	1,384	1,095	698	698	–2,316	833	(NA)	–4,889	–588	(NA)
Zaire	204	190	181	181	–154	–218	(NA)	566	666	(NA)

NA Not available. ¹ Holdings of convertible foreign currencies. ² Estimated.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly with annual supplements

No. 1442. Foreign Exchange Rates: 1970 to 1988

[National currency units per dollar, except as noted. Except as indicated, data are annual averages of certified noon buying rates for cable transfers]

YEAR	Australia [1] (dollar)	Austria (schilling)	Belgium (franc)	Canada (dollar)	China: Taiwan (dollar)	Denmark (krone)	France (franc)	Greece (drachma)	Hong Kong (dollar)
1970	111.36	25.880	49.680	1.0103	40.050	7.4890	5.5200	30.00	6.0600
1975	130.77	17.443	36.799	1.0175	38.000	5.7481	4.2676	32.29	4.9390
1976	122.15	17.955	38.608	.9863	38.000	6.0460	4.7824	36.52	4.9040
1977	110.82	16.545	35.848	1.0633	38.000	6.0049	4.9160	36.84	4.6620
1978	114.41	14.525	31.493	1.1405	37.054	5.5162	4.5090	36.75	4.6850
1979	111.77	13.387	29.342	1.1603	36.048	5.2622	4.2566	37.04	5.0030
1980	114.00	12.945	29.237	1.1693	36.015	5.6345	4.2250	42.62	4.9760
1981	114.95	15.948	37.194	1.1990	36.849	7.1350	5.4396	55.41	5.5678
1982	101.65	17.060	45.780	1.2344	39.124	8.3443	6.5793	66.87	6.0697
1983	90.14	17.968	51.121	1.2325	40.065	9.1483	7.6203	87.90	7.2569
1984	87.94	20.005	57.749	1.2953	39.633	10.3540	8.7355	112.73	7.8188
1985	70.03	20.676	59.336	1.3658	39.889	10.5980	8.9799	138.40	7.7911
1986	67.09	15.260	44.662	1.3896	37.837	8.0954	6.9256	139.93	7.8037
1987	70.14	12.649	37.357	1.3259	31.756	6.8477	6.0121	135.47	7.7985
1988, June	75.80	12.087	35.957	1.2410	28.685	6.5760	5.8130	137.64	7.8060

YEAR	India (rupee)	Ireland [1] (pound)	Italy (lira)	Japan (yen)	Malaysia (ringgit)	Netherlands (guilder)	New Zealand [1] (dollar)	Norway (krone)	Portugal (escudo)
1970	7.576	239.59	623.00	357.60	3.0900	3.5970	111.48	7.1400	28.75
1975	8.409	222.16	653.09	296.78	2.4030	2.5293	121.16	5.2282	25.51
1976	8.971	180.48	833.55	296.45	2.5421	2.6448	99.12	5.4589	30.24
1977	8.769	174.49	882.76	268.62	2.4625	2.4547	96.89	5.3239	38.34
1978	8.198	191.84	849.12	210.38	2.3168	2.1642	103.64	5.2466	44.03
1979	8.156	204.65	831.10	219.02	2.1721	2.0072	102.23	5.0650	48.95
1980	7.887	205.77	856.20	226.63	2.1767	1.9875	97.34	4.9381	50.08
1981	8.681	161.32	1,138.60	220.63	2.3048	2.4998	86.85	5.7430	61.74
1982	9.485	142.05	1,354.00	249.06	2.3395	2.6719	75.10	6.4567	80.10
1983	10.104	124.81	1,519.30	237.55	2.3204	2.8543	66.79	7.3012	111.61
1984	11.348	108.64	1,756.10	237.45	2.3448	3.2083	57.84	8.1596	147.70
1985	12.332	106.62	1,908.90	238.47	2.4806	3.3184	49.75	8.5933	172.07
1986	12.597	134.14	1,491.16	168.35	2.5830	2.4484	52.46	7.3984	149.80
1987	12.943	148.79	1,297.03	144.60	2.5185	2.0263	59.33	6.7408	141.20
1988, June	13.372	155.68	1,272.50	127.86	2.5823	1.9320	67.19	6.3863	140.59

YEAR	Singapore (dollar)	South Africa [1] (rand)	South Korea (won)	Spain (peseta)	Sweden (krona)	Switzerland (franc)	Thailand (baht)	United Kingdom [1] (pound)	West Germany (deutsche mark)
1970	3.0800	139.24	310.57	69.72	5.1700	4.3160	21.000	239.59	3.6480
1975	2.3713	136.47	484.00	57.43	4.1530	2.5839	20.379	222.16	2.4613
1976	2.4708	114.85	484.00	66.96	4.3579	2.5001	20.400	180.48	2.5184
1977	2.4394	114.99	484.00	75.99	4.4801	2.4064	20.400	174.49	2.3236
1978	2.2740	115.01	484.00	76.72	4.5206	1.7906	20.336	191.84	2.0096
1979	2.1746	118.72	484.00	67.16	4.2892	1.6643	20.419	212.24	1.8342
1980	2.1412	128.54	607.43	71.76	4.2309	1.6772	20.476	232.43	1.8175
1981	2.1053	114.77	681.03	92.40	5.0659	1.9674	21.731	202.43	2.2631
1982	2.1406	92.30	731.93	110.09	6.2838	2.0327	23.014	174.80	2.4280
1983	2.1136	89.85	776.04	143.50	7.6717	2.1006	22.991	151.59	2.5539
1984	2.1325	69.53	807.91	160.78	8.2706	2.3500	23.582	133.66	2.8454
1985	2.2008	45.57	861.89	169.98	8.6031	2.4551	27.193	129.74	2.9419
1986	2.1782	43.95	884.61	140.04	7.1272	1.7979	26.314	146.77	2.1704
1987	2.1059	49.08	825.93	123.54	6.3468	1.4918	25.774	163.98	1.7981
1988, June	2.0217	34.03	751.51	114.62	6.0454	1.4217	25.284	180.11	1.7191

[1] Value is U.S. cents per unit of foreign currency.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1443. Exchange Rates—Indexes of Value of Foreign Currency Relative to U.S. Dollar: 1970 to 1987

[1977 = 100]

YEAR	United States	Canada	Japan	Belgium	Denmark	France	Italy	Netherlands	Norway	Sweden	United Kingdom	West Germany
1970	100.0	101.8	74.8	72.2	80.0	88.9	140.8	67.9	74.5	86.1	137.3	63.7
1975	100.0	104.4	90.3	97.6	104.7	114.8	135.3	97.3	102.1	107.9	127.3	94.5
1976	100.0	107.8	90.4	92.9	99.3	102.9	106.3	92.9	97.5	102.6	103.4	92.2
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	100.0	93.2	128.5	114.0	109.0	109.2	104.0	113.6	101.5	98.9	109.9	115.8
1979	100.0	90.7	122.7	122.2	114.1	115.5	106.2	122.3	105.1	104.2	121.6	126.7
1980	100.0	90.9	118.7	122.7	106.7	116.5	103.2	123.6	107.8	105.6	133.3	127.9
1981	100.0	88.6	121.4	96.8	84.1	90.4	77.5	98.6	92.7	88.2	116.0	103.0
1982	100.0	86.1	107.5	78.3	71.9	74.7	65.2	91.8	82.4	71.1	100.2	95.6
1983	100.0	86.2	112.7	70.1	65.6	64.5	58.1	86.0	72.9	58.2	86.9	90.9
1984	100.0	82.0	112.8	62.0	58.0	56.3	50.3	76.5	65.2	54.0	76.6	81.6
1985	100.0	77.8	112.3	60.4	56.6	54.7	46.2	73.9	61.9	51.9	74.4	78.9
1986	100.0	76.5	159.1	80.2	74.2	71.0	59.2	100.2	71.9	62.7	84.1	107.0
1987	100.0	80.1	185.2	95.9	87.7	81.8	68.1	121.1	79.0	70.4	94.0	129.1

Source: U.S. Bureau of Labor Statistics, News Release USDL: 88-326, "*International Comparisons of Manufacturing Productivity and Labor Cost Trends*"; July 6, 1988.

No. 1444. Central Bank Discount Rates, Money Market Rates, and Government Bond Yields—Selected Countries: 1980 to 1988

[In percent per annum. **Central bank discount rates** refer to the rate at which the monetary authority lends or discounts eligible paper for deposit money banks. **Money market rates** refer to the rate at which short-term borrowings are effected between financial institutions. **Government bond yields** refer to one or more series representing average yields to maturity of government bonds or other bonds that would be indicative of longer term rates]

NATIONAL INTEREST RATE AND YEAR	United States	Canada	Japan	France	Italy	Netherlands	Sweden	Switzerland	United Kingdom	West Germany
Central bank discount rates: [1]										
1980	13.00	17.26	7.25	9.50	16.50	8.00	10.00	3.00	14.00	7.50
1983	8.50	10.04	5.00	9.50	17.00	5.00	8.50	4.00	(2)	4.00
1984	8.00	10.16	5.00	9.50	16.50	5.00	9.50	4.00	(2)	4.50
1985	7.50	9.49	5.00	9.50	15.00	5.00	10.50	4.00	(2)	4.00
1986	5.50	8.49	3.00	9.50	12.00	4.50	7.50	4.00	(2)	3.50
1987	6.00	8.66	2.50	9.50	12.00	3.75	7.50	2.50	(2)	2.50
1988, June	(NA)	9.44	2.50	9.50	12.00	3.25	8.50	2.50	(2)	2.50
Money market rates: [3]										
1980	13.36	13.26	(NA)	11.85	17.17	10.13	12.17	2.29	15.62	9.10
1983	9.09	9.62	6.39	12.53	18.44	5.28	10.85	1.64	9.09	5.36
1984	10.23	10.91	6.10	11.74	17.27	5.78	11.77	3.34	7.62	5.55
1985	8.10	9.57	6.46	9.93	15.25	6.30	13.85	3.75	10.78	5.19
1986	6.81	9.30	4.79	7.74	13.41	5.83	10.15	3.17	10.68	4.60
1987	6.66	8.03	3.51	7.98	11.51	5.16	9.16	2.51	9.68	3.75
1988, June	7.51	9.20	3.42	7.11	11.14	4.16	10.55	2.41	8.95	3.70
Government bond yields:										
1980	11.46	12.48	9.22	13.03	16.11	10.21	11.74	4.77	13.79	8.50
1983	11.11	11.79	7.42	13.63	18.02	8.61	12.30	4.52	10.61	7.89
1984	12.52	12.75	6.81	12.54	14.95	8.33	12.28	4.70	10.69	7.78
1985	10.62	11.04	6.34	10.94	13.00	7.34	13.09	4.78	10.62	6.87
1986	7.68	9.52	4.94	8.44	10.52	6.35	10.26	4.29	9.87	5.90
1987	8.38	9.95	4.21	9.43	9.65	6.36	(NA)	4.12	9.48	5.86
1988, June	(NA)	10.13	4.47	8.94	10.12	6.30	(NA)	4.14	9.32	6.10

NA Not available. [1] End of period. [2] Minimum lending rate suspended as of August 20, 1981. [3] Period average.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly.

No. 1445. External Debt of Soviet Union and Eastern European Countries: 1975 to 1987

[In billions of dollars. Net debt represents gross debt minus assets held with Western commercial banks]

TYPE AND SOURCE	1975	1980	1981	1982	1983	1984	1985	1986	1987
Gross debt, total	**42.2**	**104.2**	**105.0**	**102.7**	**103.9**	**102.0**	**117.3**	**136.8**	**155.8**
Soviet Union: Gross debt	12.5	20.5	20.0	21.9	22.0	22.3	29.0	36.2	41.2
Commercial debt	8.2	11.0	12.6	12.8	12.6	13.2	19.5	25.6	28.7
Official debt	4.3	9.5	7.4	9.1	9.4	9.1	9.5	10.6	12.5
Net debt	8.7	10.5	10.8	10.0	9.8	10.6	15.7	21.2	26.2
Bulgaria: Gross debt	2.6	3.6	3.1	2.8	2.4	2.2	3.6	4.9	8.1
Commercial debt	2.5	3.2	2.7	2.3	1.9	1.8	3.1	4.2	7.3
Official debt	.2	.3	.4	.5	.5	.5	.6	.7	.8
Net debt	2.3	2.7	2.2	1.8	1.2	.8	1.5	3.6	6.0
Czechoslovakia: Gross debt	1.1	4.9	4.5	4.0	4.0	3.6	3.8	4.5	5.8
Commercial debt	.9	4.1	3.7	3.1	2.9	2.6	2.8	3.4	4.5
Official debt	.2	.9	.8	.9	1.1	1.0	1.0	1.1	1.3
Net debt	.8	3.7	3.4	3.3	3.0	2.6	2.8	3.3	4.2
East Germany: Gross debt	5.4	14.1	14.9	13.2	13.1	12.4	14.0	17.0	20.4
Commercial debt	4.4	11.3	11.6	9.6	9.1	8.2	10.1	13.1	16.5
Official debt	1.0	2.8	3.3	3.6	3.9	4.2	3.9	3.9	3.9
Net debt	3.7	11.6	12.3	11.2	9.7	7.8	7.6	9.6	11.6
Hungary: Gross debt	3.1	9.1	8.7	7.7	8.2	8.8	11.8	15.1	17.7
Commercial debt	3.1	8.8	8.3	7.0	6.9	7.0	9.8	12.7	15.2
Official debt	.1	.3	.4	.5	.7	.8	.9	.9	1.0
BIS/IMF [1]	-	-	-	.2	.6	1.1	1.2	1.5	1.6
Net debt	2.2	7.0	7.1	6.6	6.8	6.7	8.6	12.0	16.5
Poland: Gross debt	8.0	25.0	25.5	24.8	26.4	26.8	29.3	33.5	39.2
Commercial debt	5.9	14.9	14.2	13.6	10.9	9.4	10.6	12.1	12.2
Official debt	2.1	10.1	11.3	11.2	15.5	17.4	18.7	21.4	27.0
Net debt	7.4	24.4	24.7	23.8	25.2	25.3	27.7	31.8	36.2
Romania: Gross debt	2.9	9.4	10.2	9.8	8.8	7.1	6.6	6.0	4.8
Commercial debt	2.0	6.5	6.2	5.4	4.8	3.4	2.9	2.7	1.7
Official debt	.7	1.7	1.8	1.4	.9	1.1	1.1	1.1	.8
IMF/World Bank/CEMA bank [1]	.2	1.2	2.1	2.9	3.1	2.6	2.6	2.2	2.4
Net debt	2.4	9.1	9.8	9.3	8.2	6.4	6.4	5.4	4.3
Yugoslavia: Gross debt	6.8	17.6	[illegible]	18.5	19.0	18.8	19.2	19.4	20.5
Commercial debt	4.3	12.9	[illegible]	11.9	10.3	9.0	7.8	7.4	8.1
Official debt	1.8	2.6	3.2	3.1	4.6	5.8	7.1	7.7	8.5
IMF/World Bank [1]	.7	2.1	2.9	3.5	4.1	4.1	4.3	4.2	4.9
Net debt	5.8	16.2	16.8	17.7	18.1	17.7	18.1	17.9	18.8

- Represents zero. [1] BIS=Bank of International Settlements. IMF=International Monetary Fund. CEMA=Council for Economic Mutual Assistance.

Source: U.S. Central Intelligence Agency, *Handbook of Economic Statistics, 1988*; and unpublished data.

No. 1446. Total External Public Debt, 1980 to 1986, and by Type of Creditor, 1986, and Debt Service Payments and Ratio, 1980 to 1986

[External public debt is defined as debt repayable to external creditors in foreign currency, goods, or services, with an original or extended maturity of more than one year, which is a direct obligation of, or has repayment guaranteed by, a public body in the borrowing country. Excludes undisbursed debt (amounts not yet drawn by recipient) and unguaranteed private debt, which for some countries is substantial. Debt contracted for the purchase of military equipment is not usually reported. Debt service payments represent the sum of interest payments and repayments of principal on external public debt]

COUNTRY	TOTAL EXTERNAL PUBLIC DEBT (mil. dol.)							DEBT SERVICE PAYMENTS (mil. dol.)			DEBT SERVICE RATIO [3] (percent)		
	1980	1984	1985	1986				1980	1985	1986	1980	1985	1986
				Total [1]	Bilateral official	Banks [2]	International organizations						
Algeria	16,360	12,136	13,718	14,927	2,447	8,331	712	3,854	4,552	5,160	26.6	33.1	51.5
Argentina [4]	10,181	26,700	35,706	38,674	2,308	24,170	2,642	1,987	4,322	4,640	17.7	41.9	50.7
Bangladesh	3,549	5,147	5,999	7,291	3,647	56	3,544	78	220	271	7.8	17.6	25.1
Bolivia	2,229	3,102	3,189	3,562	1,366	1,020	1,023	290	241	162	27.8	32.7	23.8
Brazil	40,168	69,689	74,272	84,067	10,302	59,186	9,972	8,050	7,293	8,519	34.6	24.9	33.7
Burma [5]	1,452	2,250	2,952	3,665	2,475	200	850	112	196	247	20.1	46.3	55.4
Cameroon	2,049	1,702	1,987	2,339	1,032	316	867	186	240	301	8.9	8.4	11.3
Chile	4,740	10,822	12,980	15,285	679	11,957	2,294	1,375	1,229	1,625	21.9	26.3	30.9
China: Mainland	4,781	6,696	10,216	17,403	5,000	5,610	2,169	1,104	2,069	2,382	5.4	7.0	7.9
Colombia	4,084	7,730	9,526	12,148	2,237	4,640	4,561	529	1,409	1,832	9.0	30.5	28.2
Congo	1,427	1,851	2,436	2,875	971	1,441	305	91	401	311	8.8	33.7	43.5
Costa Rica	1,692	3,258	3,603	3,678	862	1,442	925	205	448	384	16.8	35.2	26.7
Dominican Republic	1,191	2,347	2,523	2,638	1,200	744	653	154	218	294	11.7	16.2	20.7
Ecuador	3,300	6,704	7,060	7,997	979	5,274	1,405	559	898	849	18.9	27.0	32.4
Egypt	13,885	19,111	21,323	23,040	12,638	1,048	4,597	1,462	2,089	1,749	17.8	23.2	21.4
El Salvador	527	1,371	1,467	1,489	691	101	688	42	195	182	3.3	20.5	18.0
Ethiopia	701	1,402	1,756	2,013	1,021	137	717	34	105	179	5.8	18.3	21.8
Ghana	1,099	1,090	1,171	1,434	573	4	791	94	82	87	7.7	12.1	10.7
Greece	4,788	9,427	12,481	15,059	667	10,919	2,952	915	1,756	2,176	10.9	24.7	27.7
Guatemala	549	1,947	2,136	2,243	697	254	821	45	256	282	2.4	21.4	23.4
Guinea	1,032	1,177	1,313	1,449	917	148	331	95	67	106	(NA)	(NA)	(NA)
Honduras	989	1,811	2,198	2,445	688	434	1,252	98	166	192	10.1	17.7	18.7
Hungary	6,409	7,381	10,183	13,659	879	10,227	656	1,417	2,584	3,944	13.8	24.7	35.9
India [5]	17,733	23,226	28,085	32,721	12,821	4,020	14,885	1,079	1,768	2,719	8.8	13.4	18.3
Indonesia	14,971	22,354	26,866	32,982	11,765	8,962	6,976	1,758	3,992	4,451	7.9	19.8	29.4
Israel	11,500	15,752	15,848	15,946	11,382	1,165	84	1,392	2,110	2,191	14.2	19.6	18.9
Ivory Coast	4,328	4,969	5,921	6,764	1,668	3,292	1,573	874	644	791	24.0	20.3	21.4
Jamaica	1,423	2,531	2,944	3,114	1,678	422	906	206	397	435	14.5	31.4	32.0
Jordan	1,279	2,471	2,738	3,132	1,587	838	552	133	472	542	7.8	23.0	28.8
Kenya	2,214	2,533	2,918	3,649	1,347	527	1,662	251	394	431	12.2	26.0	22.6
Madagascar	955	1,865	2,255	2,640	1,626	268	651	58	106	113	11.1	29.9	(NA)
Malaysia	3,948	13,204	15,119	16,941	2,509	6,482	1,363	377	4,420	2,243	2.5	24.9	13.8
Mauritania	734	1,190	1,356	1,651	1,082	59	418	30	78	77	11.1	18.9	16.9
Mexico	33,987	69,699	72,478	76,110	3,685	60,337	8,177	7,901	10,960	8,808	32.1	36.8	37.1
Morocco	7,354	10,479	12,896	14,978	7,434	4,458	2,781	1,175	959	1,449	35.9	30.3	41.0
Nicaragua	1,662	3,985	4,774	5,384	3,228	1,310	813	82	42	32	16.0	10.6	13.0
Nigeria	4,238	11,524	13,133	21,919	6,623	11,517	2,183	504	3,997	1,625	1.8	30.8	23.0
Oman	440	1,340	1,932	2,513	297	1,992	127	197	257	397	5.1	4.8	11.4
Pakistan	8,785	9,986	10,781	11,897	7,573	601	3,531	593	1,064	1,073	19.7	31.2	27.0
Panama	2,271	3,185	3,340	3,530	371	1,936	950	466	410	470	6.0	6.5	7.6
Papua New Guinea	510	978	1,058	1,159	152	514	410	61	131	149	5.6	12.6	12.4
Paraguay	633	1,253	1,536	1,822	593	530	671	80	155	200	11.6	13.2	19.4
Peru	6,167	9,498	10,487	11,237	3,402	3,934	1,663	1,501	562	498	31.1	14.3	14.7
Philippines	6,523	11,268	13,666	20,476	4,198	10,628	4,285	579	1,242	1,592	7.2	15.7	18.4
Portugal	6,703	10,776	12,897	14,047	848	9,753	1,539	1,041	2,722	3,162	15.2	34.3	31.7
Romania	7,131	6,013	5,805	5,683	1,112	2,650	1,836	1,156	1,758	1,626	9.5	13.5	12.1
Senegal	958	1,529	1,982	2,473	1,435	282	754	179	88	209	20.1	10.9	(NA)
Singapore	1,320	1,900	1,799	2,138	200	1,340	138	263	723	425	1.0	2.4	1.4
Somalia	712	1,281	1,329	1,415	745	68	602	9	49	72	4.3	38.4	44.4
South Korea	16,203	24,459	29,066	30,028	6,062	13,439	5,313	2,762	5,120	7,042	12.2	15.5	16.8
Sri Lanka	1,345	2,406	2,868	3,466	1,866	600	905	84	230	279	6.3	14.1	(NA)
Sudan	3,793	6,174	6,681	7,074	4,997	918	1,158	104	91	54	12.6	11.2	7.5
Syria	2,107	2,327	2,724	3,134	2,300	55	672	297	295	297	11.6	12.1	15.6
Tanzania	2,042	2,657	3,084	3,702	2,112	194	1,205	75	59	70	10.5	15.1	15.3
Thailand	4,070	7,266	9,937	11,612	3,303	3,396	3,860	432	1,496	1,958	5.0	14.6	16.8
Trinidad and Tobago	623	910	1,090	1,164	150	771	46	216	183	229	6.4	7.0	15.8
Tunisia	3,224	3,674	4,401	5,147	2,475	1,257	1,116	427	671	806	12.7	24.7	29.4
Turkey	14,933	16,528	19,523	24,250	8,412	8,108	6,635	1,042	3,651	3,423	28.4	32.1	31.6
Uruguay	1,127	2,528	2,696	2,805	152	1,874	394	198	403	338	12.4	30.4	21.1
Venezuela	10,694	18,117	17,125	24,493	54	22,781	77	2,950	2,386	3,107	13.3	14.0	28.6
Yemen (Aden)	499	1,041	1,443	1,927	1,543	-	384	14	112	99	7.7	46.9	44.5
Yemen (Sanaa)	900	1,689	1,871	2,052	1,459	78	515	21	74	99	6.1	33.0	44.9
Yugoslavia [6]	4,581	8,259	11,717	13,793	2,877	7,956	2,950	616	1,373	2,009	4.5	9.5	11.5
Zaire	4,286	4,224	4,824	5,440	3,874	629	837	365	340	371	16.7	16.9	18.2
Zambia	2,187	2,700	3,160	3,656	2,114	345	959	289	92	127	17.8	11.0	7.8
Zimbabwe	697	1,392	1,560	1,776	498	725	384	44	307	339	2.6	21.2	19.9

- Represents zero. NA Not available. [1] Includes other types of creditors, not shown separately. [2] Includes other private financial institutions. [3] Debt service payments as percent of exports. [4] The increase in debt outstanding from 1980 to 1984 includes the refinancing of short-term private debt by public debt, which matured in 1986–87. [5] Fiscal year basis. [6] The bulk of the debt of Yugoslavian enterprises is reported as nonguaranteed.

Source: The World Bank, Washington, DC, *World Debt Tables*, periodic.

NO. 1447. NET FLOW OF FINANCIAL RESOURCES TO DEVELOPING COUNTRIES, BY ORIGIN AND TYPE OF RESOURCE: 1970 TO 1987

[In **billions of U.S. dollars.** Net flow covers loans, grants, and grant-like flows minus amortization on loans. Military flows ar excluded. Developing countries cover countries designated by Development Assistance Committee as developing. The DAC lis differs from the UN list (see table 1403) by the inclusion of Greece, Malta, Portugal, Spain (through 1981), and Yugoslavia, and the exclusion of South Africa. Official development assistance covers all flows to developing countries and multilateral institutions provided by official agencies, including State and local governments, or by their executive agencies, which are administered with the promotion of economic development and welfare of developing countries as their main objective and whose financial terms are intended to be concessional in character with grant element of at least 25 percent. Other official flows cover export credits and portfolio investment from the official sector]

ORIGIN AND TYPE OF RESOURCE	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, pr
Development Assistance Committee countries [1]	15.9	44.8	75.4	91.4	84.2	69.8	79.1	45.2	75.6	70.0
Official development assistance	6.9	13.8	27.3	25.5	27.7	27.6	28.7	29.4	36.7	41.5
Bilateral grants [2]	3.3	6.3	14.1	13.2	13.4	14.2	15.5	17.8	21.1	23.4
Bilateral loans	2.4	3.5	4.0	5.0	5.0	4.4	4.2	4.1	5.2	6.6
Multilateral contributions [3]	1.3	4.0	9.2	7.3	9.3	9.0	9.0	7.5	10.4	11.6
Other official flows	1.1	3.9	5.3	6.6	7.4	4.9	6.2	3.4	2.1	2.0
Private flows at market terms	7.0	25.7	40.4	57.2	46.6	35.0	41.6	9.4	33.4	23.1
Direct investment	3.7	10.3	10.1	15.4	10.4	7.8	10.9	6.5	10.9	20.1
Private export credits	2.2	3.5	11.5	10.5	7.3	5.3	3.5	.8	-1.6	(NA)
Portfolio investment	1.2	11.9	18.7	31.3	26.8	22.2	27.2	2.1	24.1	(NA)
Private voluntary agencies	.9	1.3	2.4	2.0	2.3	2.3	2.6	2.9	3.3	3.3
Organization of Petroleum Exporting Countries [4]	.6	8.8	10.8	10.8	7.7	5.9	3.7	4.1	3.8	(NA)
Official development assistance	.4	6.2	9.7	8.3	5.8	5.0	4.6	3.6	4.7	3.3
Other official flows	.2	2.6	1.1	2.5	1.9	.9	-.9	.5	-.9	(NA)
Centrally-planned economies: [5]										
Official development assistance	1.0	1.5	2.6	3.1	3.1	3.5	3.4	3.6	4.5	4.9
Total net flow to developing countries, by DAC country [1]	15.9	44.8	75.4	91.4	84.2	69.8	79.1	45.2	75.6	70.0
United States	6.4	17.7	13.9	26.4	30.2	23.0	28.6	1.8	18.2	13.2
Official development assistance	3.2	4.2	7.1	5.8	8.2	8.1	8.7	9.4	9.6	8.
Bilateral grants [2]	1.4	1.7	3.0	3.2	3.8	4.5	5.6	7.3	7.0	6.7
Bilateral loans	1.3	1.2	1.4	1.2	1.1	1.0	.8	.9	.6	3
Multilateral contributions [3]	.5	1.2	2.8	1.5	3.3	2.5	2.3	1.2	2.0	1.
Other official flows	.1	.9	1.1	.9	1.6	(Z)	1.0	.2	-.6	-1.
Private flows at market terms	2.5	11.8	4.3	18.7	19.1	13.6	17.4	-9.3	7.5	4.4
Direct investment	1.9	7.2	3.4	6.5	5.5	2.3	4.4	.9	3.1	8.
Private export credits and portfolio investment	.6	4.6	.9	12.2	13.6	11.2	13.0	-10.2	4.4	-3.
Private voluntary agencies	.6	.8	1.3	1.0	1.3	1.3	1.5	1.5	1.8	1.
Australia	.4	.6	.9	.8	1.2	1.0	1.5	1.2	1.1	1.
Austria	.1	.2	.3	.3	.1	.1	.1	.2	.1	
Belgium	.3	.9	2.9	2.8	.7	.8	3.5	1.3	-.8	-.
Canada	.6	2.0	3.2	5.8	1.9	2.6	2.8	1.7	1.6	2.
Denmark	.1	.8	.8	.9	.8	1.1	.6	.4	.5	
Finland	(Z)	.1	.2	.2	.2	.2	.3	.3	.4	
France	1.8	3.9	11.6	11.5	13.6	9.3	8.9	8.7	9.2	11.
Ireland	(NA)	(Z)	(Z)	(Z)	(Z)	(Z)	.1	.1	.1	
Italy	.7	1.6	4.0	3.7	5.0	3.1	2.3	2.2	2.6	2.
Japan	1.8	2.9	6.8	12.2	8.9	7.9	11.7	11.6	21.5	22.
Netherlands	.4	1.3	2.4	2.2	2.5	2.2	2.0	2.6	2.8	3.
New Zealand	(Z)	.1	.1	.1	.1	.1	.1	.1	.1	
Norway	.1	.3	.9	.7	.8	.7	.6	.6	.7	
Sweden	.2	.8	1.9	1.4	1.8	1.3	1.3	1.4	1.7	1.
Switzerland	.1	.7	2.7	2.3	3.2	3.3	3.4	2.5	1.4	-1.
United Kingdom	1.3	6.6	12.2	11.9	6.3	6.1	4.8	2.5	6.5	2.
West Germany	1.5	5.0	10.6	8.1	7.0	7.0	6.5	5.8	7.9	8.

NA Not available. Z Less than $50 million. [1] Includes flows to OPEC countries (see footnote 4). Comprises as donor Australia, Austria, Belgium, Canada, Denmark, Finland, France, Ireland, Italy, Japan, Netherlands, New Zealand, Norway, Swede Switzerland, United Kingdom, United States, and West Germany. [2] Includes "grant-like" flows (i.e., loans repayable recipients' currencies). [3] Includes capital subscriptions to multilateral organizations in the form of demand instruments as o date of issue. [4] Algeria, Ecuador, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, an Venezuela. [5] Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Romania, and Soviet Union.

NO. 1448. PER CAPITA PUBLIC AND PRIVATE AID TO DEVELOPING COUNTRIES: 1980 TO 1986

[In **dollars.** See headnote, table 1447. Private aid figures exclude government subsidies to voluntary agencies. Countries are ranke by per capita gross national product in 1986]

COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE			PRIVATE VOLUNTARY AID			COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE			PRIVATE VOLUNTARY AID		
	1980	1985	1986	1980	1985	1986		1980	1985	1986	1980	1985	19
Switzerland	40	46	64	10	8	10	France	77	72	92	1	1	
United States	31	39	40	6	6	7	Austria	24	33	26	3	2	
Japan	29	31	46	(Z)	(Z)	(Z)	Netherlands	115	78	119	6	7	1
Norway	119	138	191	8	12	14	Belgium	60	45	56	5	2	
Sweden	116	101	130	7	9	10	United Kingdom	33	27	31	2	3	
Denmark	92	86	136	3	3	2	Australia	45	47	47	3	3	
West Germany	58	48	63	7	7	9	Italy	12	19	42	(Z)	(Z)	(
Finland	23	43	64	3	3	6	New Zealand	23	16	23	2	3	
Canada	45	64	66	4	7	7	Ireland	9	11	18	-	6	

- Represents zero. Z Less than 50 cents.

Source of tables 1447 and 1448: Organization for Economic Cooperation and Development, Paris, France, unpublished data.

No. 1449. Military Expenditures in Current and Constant (1984) Dollars: 1975 to 1985

[In millions of dollars, except as indicated. See also table 533. For most countries, data for expenditures and for GNP were based on local currencies which were deflated to constant 1984 local currency values before conversion to U.S. dollar equivalents. In general, the rates used for conversion are the 1984 average par/market exchange rates as supplied by the International Bank for Reconstruction and Development]

COUNTRY	CURRENT DOLLARS					CONSTANT (1984) DOLLARS						
									Per capita (dollars)		Percent of GNP [1]	
	1975	1980	1983	1984	1985	1975	1980	1985	1980	1985	1980	1985
United States	90,950	144,000	217,200	237,100	265,800	165,200	181,000	257,600	795	1,077	5.3	6.6
Algeria [2]	410	951	1,397	1,385	1,364	746	1,196	1,322	63	60	2.9	2.5
Argentina	870	2,301	3,139	[2] 2,676	[2] 2,368	1,581	2,891	[2] 2,295	102	[2] 76	3.6	[2] 3.3
Australia	1,816	3,019	4,300	4,626	5,105	3,299	3,795	4,948	260	315	2.5	2.9
Austria	312	553	[2] 818	[2] 849	(NA)	588	694	(NA)	92	[3] 112	1.1	[3] 1.3
Belgium	1,117	2,013	2,403	2,407	2,414	2,029	2,530	2,339	257	237	3.3	3.0
Brazil	915	1,104	1,602	1,655	[2] 2,307	1,662	1,387	[2] 2,236	11	[2] 16	.7	[2] 1.0
Bulgaria [2]	2,206	3,119	4,308	4,485	4,638	4,007	3,920	4,495	443	503	7.3	8.0
Canada	2,716	4,461	6,195	7,196	7,902	4,934	5,607	7,658	233	302	1.9	2.3
Chile	353	550	672	726	760	640	692	736	62	81	3.6	4.1
China:												
Mainland [2]	12,500	18,860	22,430	23,850	24,870	22,710	23,700	24,100	24	23	10.5	6.7
Taiwan	1,074	2,315	4,026	3,821	[2] 4,740	1,951	2,910	[2] 4,593	164	[2] 238	6.6	[2] 7.6
Cuba [2]	393	1,140	1,470	1,586	1,600	714	1,433	1,551	148	154	6.5	5.4
Czechoslovakia [2]	3,615	5,382	7,262	7,565	7,923	6,567	6,764	7,678	443	495	5.4	5.8
Denmark	606	981	1,238	1,260	1,269	1,105	1,233	1,230	241	241	2.5	2.3
East Germany [2]	4,648	7,259	9,966	10,590	11,290	8,443	9,123	10,940	545	657	5.8	6.4
Egypt [2]	3,912	2,547	6,475	5,581	6,294	7,107	3,201	6,100	76	124	9.2	14.2
El Salvador	31	109	173	[2] 272	[2] 254	57	137	[2] 246	29	[2] 49	2.7	[2] 5.5
Finland	309	577	821	772	(NA)	561	725	(NA)	152	[3] 158	1.6	[3] 1.5
France	8,456	15,040	19,530	20,210	20,800	15,360	18,900	20,160	351	365	4.0	4.1
Greece	981	1,456	1,963	2,412	2,506	1,782	1,830	2,426	190	244	5.5	7.2
Hungary [2]	1,759	2,638	3,167	3,233	3,536	3,195	3,315	3,427	310	322	4.4	4.4
India	2,202	3,992	6,300	7,025	7,493	4,000	5,017	7,261	7	9	3.4	3.8
Indonesia	970	1,648	2,031	2,119	[2] 2,181	1,763	2,071	[2] 2,114	13	[2] 12	3.1	[2] 2.5
Iran	13,440	[2] 7,725	[2] 8,376	[2] 11,690	(NA)	24,410	[2] 9,708	(NA)	[2] 248	[2] [3] 257	[2] 6.6	[2] [3] 7.2
Iraq [2]	3,286	12,160	15,160	15,920	(NA)	5,989	15,260	(NA)	1,158	[3] 1,044	22.5	[3] 42.5
Israel	3,135	5,410	5,614	6,447	[2] 3,678	5,695	6,799	[2] 3,564	1,819	[2] 875	29.2	[2] 13.9
Italy	3,860	6,589	8,754	9,353	10,010	7,012	8,260	9,699	147	170	2.4	2.7
Japan	4,115	7,900	11,250	12,360	13,490	7,475	9,926	13,080	85	108	.9	1.0
Kuwait	682	885	1,389	1,419	1,513	1,240	1,112	1,467	812	857	3.0	6.3
Malaysia	436	889	[2] 1,467	[2] 1,216	[2] 1,227	792	1,117	[2] 1,190	81	[2] 77	4.4	[2] 3.8
Mexico	491	525	810	1,081	1,052	892	660	1,019	9	13	.4	.6
Morocco	205	538	554	563	760	372	676	756	33	33	6.5	6.5
Netherlands	1,907	3,025	3,729	3,978	4,051	3,464	3,802	3,926	269	271	3.1	3.1
Nicaragua	50	[2] 190	[2] 468	[2] 597	[2] 702	91	239	680	86	215	5.8	16.8
Nigeria	2,419	2,065	[2] 1,659	[2] 1,215	[2] 1,088	4,394	2,595	[2] 1,055	29	[2] 10	2.7	[2] 1.4
North Korea [2]	2,000	3,500	4,900	5,200	5,400	3,633	4,399	5,233	246	257	22.6	22.2
Norway	696	1,143	1,561	1,555	1,853	1,264	1,437	1,795	352	432	3.0	3.2
Oman	698	1,178	1,942	2,108	2,157	1,267	1,481	2,090	1,505	1,813	22.1	24.4
Pakistan	654	1,059	1,921	1,981	2,378	1,188	1,331	2,305	16	23	5.0	6.4
Peru	409	[2] 805	[2] 872	[2] 1,376	[2] 1,388	743	[2] 1,011	[2] 1,345	[2] 58	[2] 68	[2] 4.9	[2] 6.9
Philippines	400	488	525	380	400	726	614	388	12	7	1.9	1.3
Poland [2]	6,919	9,714	12,420	13,560	14,610	12,570	12,210	14,160	343	381	5.3	6.0
Portugal	428	532	638	629	650	777	668	630	68	62	3.6	3.3
Qatar	85	604	(NA)	(NA)	[2] 2,308	154	760	[2] 2,236	3,293	[2] 7,678	9.3	[2] 46.9
Romania [2]	2,885	3,793	5,181	5,295	5,473	5,240	4,767	5,304	215	233	4.3	4.3
Saudi Arabia	6,267	16,090	26,620	[2] 21,890	[2] 22,900	11,380	20,220	[2] 22,190	1,992	[2] 1,651	14.4	[2] 24.4
Singapore	247	562	701	986	[2] 1,196	448	707	[2] 1,159	293	[2] 453	5.3	[2] 6.2
South Africa	1,176	2,697	[2] 3,134	[2] 2,978	(NA)	2,136	3,390	(NA)	116	[3] 93	5.2	[3] 4.2
South Korea	1,092	2,953	4,229	4,433	4,891	1,983	3,711	4,740	97	115	6.1	5.5
Soviet Union [2]	128,000	201,000	250,000	264,000	275,000	232,500	252,600	266,500	948	956	13.0	12.5
Spain	1,984	2,212	3,172	[2] 3,502	(NA)	3,604	2,780	(NA)	74	[3] 91	1.9	[3] 2.3
Sweden	1,502	2,176	2,779	2,836	2,932	2,729	2,735	2,841	329	340	3.1	3.0
Switzerland	893	1,565	1,972	2,123	[2] 2,244	1,622	1,966	[2] 2,175	308	[2] 333	2.1	[2] 2.2
Syria	1,171	2,383	[2] 4,159	[2] 4,331	[2] 4,512	2,127	2,995	[2] 4,372	345	[2] 422	17.1	[2] 22.8
Thailand	340	1,085	1,442	1,602	1,892	617	1,338	1,834	29	35	4.0	4.4
Turkey	1,151	1,408	2,186	2,190	2,416	2,091	1,770	2,342	39	46	4.4	4.6
United Arab Emirates	34	1,724	1,973	1,932	[2] 1,385	61	2,167	[2] 1,342	2,166	[2] 855	6.2	[2] 5.7
United Kingdom	10,200	16,070	21,400	22,620	24,200	18,530	20,200	23,450	359	414	5.0	5.3
Venezuela	482	537	709	752	[2] 682	875	675	[2] 661	45	[2] 38	1.3	[2] 1.4
West Germany	10,030	15,560	19,500	20,130	20,800	18,220	19,550	20,160	318	330	3.3	3.2
Yugoslavia	967	1,494	1,495	1,614	1,690	1,757	1,878	1,638	84	71	4.3	3.7

NA Not available. [1] Military expenditure as percent of gross national product. For additional information on comparisons between communist and noncommunist countries, see footnote 4, table 533. [2] Estimated. [3] For 1984.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

No. 1450. Armed Forces Personnel—Number and Rate, by Country: 1975 to 1985

[**Personnel data as of July.** Armed Forces refer to active-duty military personnel, including paramilitary forces where those forc resemble regular units in their organization, equipment, training, or mission. Reserve forces are not included]

COUNTRY	ARMED FORCES PERSONNEL (1,000)						ARMED FORCES PER 1,000 POPULATIO					
	1975	1980	1982	1983	1984	1985	1975	1980	1982	1983	1984	1985
United States	2,098	2,101	2,201	2,222	2,244	2,289	9.7	9.2	9.5	9.5	9.5	9.6
Algeria	80	101	120	130	170	170	5.0	5.4	6.0	6.3	8.0	7.7
Argentina	160	155	175	175	174	129	6.1	5.5	6.0	5.9	5.8	4.3
Australia	70	71	73	73	71	70	5.1	4.9	4.8	4.8	4.6	4.5
Austria	50	40	40	50	40	40	6.6	5.3	5.3	6.6	5.3	5.3
Belgium	103	108	109	109	107	108	10.5	10.9	11.0	11.1	10.9	11.0
Brazil	455	450	460	460	459	496	4.2	3.7	3.5	3.5	3.4	3.5
Bulgaria	175	162	175	177	177	177	20.1	18.3	19.7	19.9	19.8	19.8
Canada	78	82	81	81	82	83	3.4	3.4	3.3	3.3	3.3	3.3
Chile	110	116	116	126	123	124	10.8	10.5	10.1	10.8	10.4	10.3
China:												
Mainland	4,300	4,650	4,350	4,100	4,100	4,100	4.7	4.7	4.3	4.0	4.0	3.9
Taiwan	504	465	457	454	470	440	31.3	26.1	24.8	24.2	24.7	22.8
Cuba	120	220	230	250	297	297	12.9	22.8	23.5	25.3	29.8	29.5
Czechoslovakia	210	212	213	214	213	214	14.2	13.9	13.9	13.9	13.8	13.8
Denmark	34	33	32	30	31	29	6.7	6.4	6.2	5.9	6.1	5.7
East Germany	220	231	233	240	240	240	13.1	13.8	14.0	14.4	14.4	14.4
Egypt	400	447	447	447	466	466	10.8	10.6	9.9	9.6	9.8	9.5
El Salvador	8	16	28	32	45	48	1.9	3.4	6.0	6.7	9.2	9.6
Finland	40	36	36	40	40	(NA)	8.5	7.5	7.5	8.2	8.2	(NA)
France	585	575	578	578	571	563	11.1	10.7	10.6	10.6	10.4	10.2
Greece	185	186	186	177	197	206	20.5	19.3	19.0	18.0	19.9	20.7
Honduras	12	14	17	19	20	21	3.8	3.7	4.2	4.5	4.6	4.7
Hungary	118	119	110	105	105	116	11.2	11.1	10.3	9.8	9.8	10.9
India	1,670	1,104	1,120	1,250	1,360	1,515	2.7	1.6	1.6	1.7	1.8	2.0
Indonesia	260	250	280	280	281	281	1.9	1.6	1.7	1.7	1.7	1.6
Iran	385	305	240	240	335	345	11.5	7.8	5.7	5.5	7.4	7.3
Iraq	155	430	404	434	788	788	13.9	32.6	28.5	29.5	51.7	49.9
Israel	172	196	205	205	205	195	51.1	52.4	53.1	52.2	51.2	47.8
Italy	459	500	517	498	508	531	8.3	8.9	9.1	8.8	8.9	9.3
Japan	237	242	243	241	241	241	2.1	2.1	2.1	2.0	2.0	2.0
Kuwait	25	12	13	13	15	16	24.8	8.8	8.7	8.3	9.2	9.3
Malaysia	76	83	95	105	105	124	6.2	6.0	6.6	7.1	7.0	8.0
Mexico	95	120	130	130	129	140	1.5	1.7	1.8	1.7	1.7	1.8
Morocco	75	117	125	135	149	165	4.1	5.7	5.8	6.1	6.6	7.1
Netherlands	107	107	106	104	103	103	7.8	7.6	7.4	7.2	7.1	7.1
Nicaragua	5	24	41	46	67	74	2.1	8.6	13.8	15.2	21.6	23.4
Nigeria	270	150	144	144	144	134	3.5	1.7	1.5	1.5	1.4	1.3
North Korea	470	700	782	784	784	784	29.6	39.1	41.7	40.9	39.9	38.5
Norway	38	40	40	41	39	41	9.6	9.7	9.7	9.9	9.4	9.9
Oman	12	15	15	20	25	25	15.7	15.2	14.3	18.5	22.4	21.7
Pakistan	502	487	584	584	646	644	6.7	5.5	6.4	6.2	6.7	6.5
Peru	95	151	164	167	135	128	5.3	8.7	9.0	8.9	7.0	6.5
Philippines	120	155	157	157	157	157	2.7	3.0	2.9	2.8	2.8	2.7
Poland	435	421	429	430	430	432	12.6	11.8	11.8	11.6	11.6	11.6
Portugal	104	88	91	93	100	101	11.0	9.0	9.1	9.3	9.9	9.9
Qatar	5	6	6	6	6	6	30.3	26.0	23.5	22.5	21.5	20.6
Romania	220	215	238	244	244	244	10.4	9.7	10.6	10.8	10.8	10.7
Saudi Arabia	75	79	80	80	95	96	10.3	7.8	7.0	6.6	7.4	7.1
Singapore	27	50	60	60	59	59	11.9	20.7	24.3	24.0	23.3	23.1
South Africa	50	70	78	77	97	95	2.0	2.4	2.6	2.5	3.0	2.9
South Korea	630	600	601	602	602	600	17.2	15.7	15.3	15.1	14.9	14.6
Soviet Union	4,100	4,400	4,500	4,500	4,500	4,500	16.1	16.5	16.6	16.4	16.3	16.1
Spain	375	341	353	340	411	(NA)	10.5	9.1	9.3	8.9	10.7	(NA)
Sweden	75	70	70	68	69	(NA)	9.2	8.4	8.4	8.2	8.3	(NA)
Switzerland	25	23	23	28	25	(NA)	3.9	3.6	3.6	4.3	3.8	(NA)
Syria	230	250	300	400	402	402	31.2	26.8	32.3	41.5	40.2	38.6
Thailand	227	234	250	250	250	270	5.4	5.0	5.1	5.0	4.9	5.2
Turkey	564	717	769	824	815	825	14.4	15.9	16.3	17.0	16.5	16.3
United Arab Emirates	21	44	44	44	44	44	40.4	44.0	36.6	33.4	30.6	28.0
United Kingdom	348	330	335	333	336	335	6.2	5.9	5.9	5.9	5.9	5.9
Venezuela	56	55	56	56	64	71	4.3	3.7	3.5	3.4	3.8	4.1
Vietnam	643	900	1,000	1,000	1,000	1,000	25.8	16.8	17.8	17.4	16.9	16.5
West Germany	491	490	495	496	487	495	7.9	8.0	8.0	8.1	8.0	8.1
Yugoslavia	270	258	258	259	259	220	12.6	11.6	11.4	11.4	11.3	9.5

NA Not available.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

Appendix I

Guide to —
Sources of Statistics, State Statistical Abstracts, and Foreign Statistical Abstracts

Alphabetically arranged by subject, this guide contains references to the important primary sources of statistical information for the United States. Secondary sources have been included if the information contained in them is presented in a particularly convenient form or if primary sources are not readily available. Nonrecurrent publications presenting compilations or estimates for years later than 1978 or types of data not available in regular series are also included.

Much valuable information may also be found in State reports (see pp. 883-887) and foreign statistical abstracts (see pp. 888 and 889) and in reports for particular commodities, industries, or similar segments of our economic and social structures, many of which are not included here.

Publications listed under each subject are divided into two main groups: "U.S. Government" and "Other." The location of the publisher of each report is given except for Federal agencies located in Washington, DC. Most Federal publications may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, tel. (202) 783-3238, or from Government Printing Office bookstores in certain major cities. In some cases, Federal publications may be obtained from the issuing agency.

Major reports, such as the Census of Population, which consist of many volumes, are listed by their general, all-inclusive titles.

Bureau of the Census Publications

In most cases, separate reports of the most recent censuses are available for each State, subject, industry, etc. Complete information on publications of all the censuses and current surveys conducted by the Bureau of the Census appears in the *Bureau of the Census Catalog*, published annually and available from the Superintendent of Documents.

Abortions—*see* Vital Statistics.

Accidents—*see also* Health; Insurance; *and* Vital Statistics

U.S. Government

Bureau of Labor Statistics
- Handbook of Labor Statistics. Periodic. (1985, most recent.)
- Injuries to Construction Laborers. 1986. (Bulletin No. 2252.)
- Injuries in the Logging Industry. 1984. (Bulletin No. 2203.)
- Injuries Resulting From Falls From Elevations. 1984. (Bulletin No. 2195.)
- Injuries Resulting From Falls On Stairs. 1984. (Bulletin No. 2214.)
- Injuries to Warehouse Workers. 1986. (Bulletin No. 2257.)
- Occupational Injuries and Illnesses in the United States by Industry. Annual.

Department of Transportation
- Transportation Safety Information Report. Quarterly.

Federal Railroad Administration
- Accident/Incident Bulletin. Summary, statistics, and analysis of accidents on railroads in the United States. Annual.

Accidents—Con.

U.S. Government—Con.

Federal Railroad Administration—Con.
- Rail-Highway Crossing Accident/Incident and Inventory Bulletin. Annual.

Mine Safety and Health Administration
- Informational Reports by Mining Industry: Coal; Metallic Minerals; Nonmetallic Minerals (except stone and coal); Stone, Sand, and Gravel. Annual.
- Mine Injuries and Worktime. (Preliminary data.) Quarterly.

National Center for Health Statistics
- Vital Statistics of the United States. Annual.

National Transportation Safety Board
- Accidents. Annual.

Other

Metropolitan Life Insurance Company, New York, NY
- Health and Safety Education.
- Statistical Bulletin. Quarterly.

Accidents—Con.

Other—Con.

National Fire Protection Association, Quincy, MA

Fire Journal. Bimonthly.

National Safety Council, Chicago, IL

Accident Facts. Annual.

Agriculture—*see also* Food; Foreign Commerce; Labor; Money and Banking; *and* Population

U.S. Government

Bureau of the Census

Census of Agriculture. Quinquennial. (1987, most recent.)

U.S. Commodity Exports and Imports as Related to Output. Annual. (Series ES2.)

Bureau of the Census and Bureau of Mines

Raw Materials in the United States Economy; 1900-1977. (Issued 1980. Working Paper No. 47.)

Bureau of Reclamation

Annual Report.

Summary Statistics:

Vol. I, Water, Land, and Related Data.

Vol. II, Finances and Physical Features.

Vol. III, Project Data.

Commodity Futures Trading Commission

Annual Report.

Commitments of Traders in Commodity Futures. Monthly.

Department of Agriculture

Agricultural Chartbook. Annual.

Agricultural Economics Research. Quarterly.

Agricultural Finance and Outlook Situation. Annual.

Agricultural Finance Statistics, 1960-83. (Statistical Bulletin No. 706.) April 1984.

Agricultural Outlook. 11 issues per year.

Agricultural Price Reports. Reports on prices received for farm commodities, prices paid for farm supplies, indexes and parity ratios. Monthly and annual.

Agricultural Statistics. Annual.

Conversion Factors and Weights and Measures for Agricultural Commodities and Products. March 1979. (Statistical Bulletin No. 616.)

Crop Production Reports. Acreage, yield, and production of various commodities. Monthly and annual.

Crop Values Report. Price and value of various commodities. Annual.

Agriculture—Con.

U.S. Government—Con.

Department of Agriculture—Con.

Economic Indicators of the Farm Secto A series of 5 annual issues.

Farmline. 11 issues per year.

Food Consumption, Prices, and Expend tures, 1985. (Statistical Bulletin No 749.) Revised annually.

Foreign Agricultural Trade of the Unite States (FATUS). 6 issues with annu supplements on calendar year an fiscal year trade data.

Fruit and Vegetable Reports. Acreage yield, production, value, and utilization of various fruits and vegetables. Peri odic.

The Hired Farm Working Force of 1981 (Agricultural Economic Report No 507.)

Landownership in the United State 1978. (Agricultural Economic Repor No. 435.)

Livestock and Livestock Products. Re ports pertaining to cattle, cattle on feed, hogs and pigs, lamb crop, livestock slaughter, sheep and goats, and wool and mohair. Periodic.

Major Uses of Land in the United States, 1982. 1985.

Milk and Dairy Products Reports. Milk cows, milk production, and dairy products. Monthly and annual.

Other Reports. Reports on varied items including cold storage, farm employment and wages, farm production expenditures, mink, mushrooms, and floriculture crops. Monthly and annual.

Poultry and Egg Reports. Reports covering eggs, chickens, turkeys, hatcheries, egg products, and poultry slaughter. Weekly, monthly, annual.

Rural Development Perspectives. 3 issues per year.

Situation Reports. Issued for cotton and wool, dairy, feed, fruit, inputs, livestock and poultry, oil crops, rice, sugar and sweeteners, tobacco, vegetables, wheat, and world agriculture. Monthly, quarterly, annual.

Statistics of Farmer Cooperatives. Annual.

Statistics on Oilseeds and Related Data, 1965-82. (Statistical Bulletin No. 695.)

Stock Reports. Stocks of grain, hops, peanuts, potatoes, rice, and soybeans. Quarterly, annual, periodic.

Weekly Weather and Crop Bulletin. Report summarizing weather and its effect on crops the previous week.

Agriculture—Con.

U.S. Government—Con.

- Farm Credit Administration
  - Annual Report.
  - Loans and Discounts of Farm Credit Banks and Associations. Annual.
- National Oceanic and Atmospheric Administration
  - Weekly Weather and Crop Bulletin. National summary.
- Soil Conservation Service
  - National Resources Inventory, 1982. Periodic.
  - Report of Administrator of Soil Conservation Service. Annual.

Air Force—*see* National Defense.

Air Pollution—*see* Environment.

Aliens—*see* Immigration.

American Samoa—*see* Outlying Areas.

Area—*see* Geography.

Army—*see* National Defense.

Aviation—*see* Transportation.

Banks and Banking—*see* Money.

Births—*see* Vital Statistics.

Broadcasting—*see* Communications.

Building Permits—*see* Construction.

Business—*see also* Economic Indexes; Investments; Manufactures; Retail and Wholesale Trade; Science Resources; *and* Service Establishments

U.S. Government

- Administrative Office of the United States Courts
  - Annual Report of the Director.
- Board of Governors of the Federal Reserve System
  - Federal Reserve Bulletin. Monthly.
- Bureau of the Census
  - Census of Retail Trade. Quinquennial. (1982, most recent.)
  - Census of Service Industries. Quinquennial. (1982, most recent.)
  - Census of Wholesale Trade. Quinquennial. (1982, most recent.)
  - County Business Patterns. Annual.
  - Characteristics of Business Owners. 1982.
  - Current Business Reports. Retail Trade, Sales, and Inventories, BR; and Wholesale Trade, Sales, and Inventories, BW.

Business—Con.

U.S. Government—Con.

- Bureau of the Census—Con.
  - Minority-Owned Businesses. Quinquennial. (1982, most recent.)
  - Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations.
- Bureau of Economic Analysis
  - Business Conditions Digest. Monthly.
  - Business Statistics: 1986. 1987.
  - The Detailed Input-Output Structure of the U.S. Economy, 1977. 1984.
  - Fixed Reproducible Tangible Wealth in the United States, 1925-79. 1982.
  - Handbook of Cyclical Indicators. 1984.
  - The National Income and Product Accounts of the United States, 1929-1982: Statistical Tables. 1986.
  - Selected Data on U.S. Direct Investment Abroad, 1950-79. 1985.
  - Summary Input-Output Tables of the U.S. Economy: 1976, 1978, and 1979. 1983. (Staff Paper No. 39.)
  - Survey of Current Business. Monthly.
- Council of Economic Advisers
  - Economic Indicators. Monthly.
  - Economic Report of the President. Annual.
- Federal Trade Commission
  - Mergers & Acquisitions, 1972-1974. 1976.
- Internal Revenue Service
  - Statistics of Income.
    - Corporation Income Tax Returns. Annual.
  - Statistics of Income Bulletin. Quarterly.
- International Trade Administration
  - U.S. Industrial Outlook. Annual.
- Patent and Trademark Office
  - Commissioner of Patents and Trademarks Annual Report.
  - Patenting Trends in the United States, State Country Report, 1963-1987.
- Securities and Exchange Commission
  - Annual Report.
  - Statistical Review. Monthly.
- Small Business Administration
  - Annual Report.

Other

- The Conference Board, New York, NY
  - Economic Road Maps. Monthly.

Business—Con.

Other—Con.

The Dun & Bradstreet Corporation, New York, NY

The Business Failure Record. Annual.

Monthly Business Starts Report.

Monthly Business Failure Report.

Monthly New Business Incorporations Report.

Quarterly Survey of Business Expectations.

Fortune (Time, Inc.), New York, NY

The Fortune Directory of the 500 Largest Industrial Corporations. (Annual supplement to Fortune.)

National Bureau of Economic Research, Cambridge, MA

Financial Aspects of the United States Pension System, Zvi Bodie and John B. Shoven, editors. 1983. (University of Chicago Press, Chicago, IL.)

The U.S. National Income and Product Accounts: Selected Topics, Murray F. Foss, editor. 1982. (Studies in Income and Welfare, No. 47.) (University of Chicago Press, Chicago, IL.)

Child Welfare—*see* Education; *and* Social Insurance.

City Government—*see* State and Local Government.

Civil Service—*see* Federal Government; *and* State and Local Government.

Climate—*see also* Agriculture

U.S. Government

National Oceanic and Atmospheric Administration

Climatography of the United States, No. 20, Supplement No. 1, Freeze/Frost Data.

Climatography of the United States, No. 81: Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1951-80. 1982. Issued by State.

Climatological Data. Issued in sections for States and outlying areas. Monthly with annual summary.

Comparative Climatic Data Through 1987.

General Summary of Tornadoes. Annual.

Hourly Precipitation Data. Monthly with annual summary; for each State.

Local Climatological Data. Monthly with annual summary; for major cities.

Storm Data. Monthly.

Weekly Weather and Crop Bulletin. National summary.

Commerce—*see* Foreign Commerce; Retail and Wholesale Trade; *and* Transportation.

Commodity Prices—*see also* Economic Indexes

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of Labor Statistics

Consumer Prices: Energy and Food Monthly.

CPI Detailed Report. Monthly.

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Monthly Labor Review.

Producer Price Indexes. Monthly, with annual supplement.

Relative Importance of Components in the Consumer Price Indexes. Annual.

U.S. Import and Export Price Indexes. Quarterly.

Department of Agriculture

Agricultural Price Reports. Monthly and annual.

Agricultural Statistics. Annual.

Other

Commodity Research Bureau, a Knight-Ridder Business Information Service, New York, NY

Commodity Year Book Statistical Abstract Service. (3 editions annually.)

CRB Commodity Index Report. Weekly.

CRB Commodity Year Book. Annual.

CRB Futures Chart Service. Weekly.

CRB Outlook. Monthly.

Electronic Futures Trend Analyzer. Daily.

Futures Market Service. Weekly.

Morgan Guaranty Trust Company of New York

World Financial Markets

Wall Street Journal. (Dow Jones & Co., New York, NY.) Daily except Saturdays, Sundays, and holidays.

Communications—*see also* Newspapers

U.S. Government

Federal Communications Commission

Annual Report.

Statistics of Communications Common Carriers. Annual.

Rural Electrification Administration

Annual Statistical Report—Rural Telephone Borrowers.

Communications—Con.

U.S. Government—Con.

U.S. Postal Service

Annual Report of the Postmaster General.

Cost and Revenue Analysis. Annual.

Other

John Blair & Company, New York, NY

Statistical Trends in Broadcasting. Annual.

Book Industry Study Group, Inc., New York, NY

Book Industry Trends. Annual.

Broadcasting Publications, Inc., Washington, DC

Broadcasting Magazine. Weekly.

Broadcasting Cablecasting Yearbook.

Corporation for Public Broadcasting, Washington, DC

Average Revenue Profiles for Public Broadcasting Stations.

Public Broadcasting Income. Annual.

Public Broadcasting Stations' Income from State Governments and State Colleges & Universities Ranked State-By-State.

Public Broadcasting: Statistical Brief. Annual.

Public Radio and Television Programming Content by Category. Biennial.

Summary Statistical Report of PTV Licensees. Annual.

Summary Statistical Report of Public Radio Stations. Annual.

Editor & Publisher Co., New York, NY

International Year Book. Annual.

Market Guide. Annual.

Electronic Industries Association, Washington, DC

Electronic Market Data Book. Annual.

Electronic Market Trends. Monthly.

Electronics Foreign Trade. Monthly.

Electronics Foreign Trade Five-Year Summary. Annual.

Radio Advertising Bureau, New York, NY

Radio Facts. Annual.

United States Telephone Association, Washington, DC

Statistics of the Independent Telephone Industry. Annual.

Warren Publishing, Inc., Washington, DC

Cable Action Update. Weekly.

Cable and Station Coverage Atlas. Annual.

Television Action Update. Weekly.

Communications—Con.

Other—Con.

Warren Publishing, Inc., Washington, DC—Con.

Television and Cable Factbook. Annual.

Construction, Housing, and Real Estate—*see also* Money *and* Roads

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of Census

Census of Construction Industries. Quinquennial. (1982, most recent.)

Census of Housing. Decennial. (1980, most recent.)

Current Construction Reports: Housing Starts, C20 (monthly); New Residential Construction in Selected Metropolitan Statistical Areas, C21 (quarterly); Housing Completions, C22 (monthly); New One-Family Houses Sold and for Sale, C25 (monthly with annual report, Characteristics of New Housing); Price Index of New One-Family Houses Sold, C27 (quarterly); Value of New Construction Put in Place, C30 (monthly with occasional historical supplement); Housing Units Authorized by Building Permits, C40 (monthly and annual); Residential Alterations and Repairs, C50 (Quarterly and annual).

Current Housing Reports: Housing Vacancies, H-111 (quarterly and annual); Market Absorption of Apartments, H-130 (quarterly and annual); Characteristics of Apartments Completed, H-131 (annual); Annual Housing Survey, H-150 (series of six biennial reports); Annual Housing Survey—Housing Characteristics for Selected Metropolitan Areas, H-170.

Social Indicators, 1980.

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics: 1986. 1987.

Fixed Reproducible Tangible Wealth in the United States, 1925-79. 1982.

Handbook of Cyclical Indicators. 1984.

The National Income and Product Accounts of the United States, 1929-82: Statistical Tables. 1986.

New Structures and Equipment by Using Industries, 1972: Detailed Estimates and Methodology. 1980. (Staff Paper No. 35.)

Survey of Current Business. Monthly.

Bureau of Labor Statistics

Current Wage Developments. Monthly.

Construction, Housing, and Real Estate—
Con.

U.S. Government—Con.

Bureau of Labor Statistics—Con.

Employment and Earnings. Monthly.

Employment, Hours, and Earnings, United States, 1909-84. 1985. (Bulletin No.1312-12.)

Injuries to Construction Laborers. 1986. (Bulletin No. 2252.)

Monthly Labor Review.

Occupational Employment in Mining, Construction, Finance, and Services. 1986. (Bulletin No. 2264.)

Occupational Injuries and Illnesses in the United States by Industry. Annual.

Department of Housing and Urban Development

Statistical Yearbook. (Discontinued with 1979 edition.)

Survey of Mortgage Lending Activity. Monthly and quarterly press releases.

Energy Information Administration

Residential Energy Consumption Survey: Housing Characteristics. Triennial.

Federal Home Loan Bank Board

Annual Report.

Savings and Home Financing Source Book. Annual.

International Trade Administration

Construction Review. Bimonthly.

Veterans Administration

Loan Guaranty Highlights. Quarterly.

Other

Dodge, F.W., National Information Services Division, McGraw-Hill Information Systems Co., New York, NY

Dodge Construction Potentials. Monthly.

NATIONAL ASSOCIATION OF REALTORS, Washington, DC

Existing Home Sales. Monthly.

Whitman, Requardt and Associates, Baltimore, MD

The Handy-Whitman Index of Public Utility Construction Costs. Semiannual.

Consumer Income and Expenditures, and Personal Income—*see also* Agriculture; Economic Indexes; Investments; *and* National Income

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Consumer Income and Expenditures, and Personal Income—Con.

U.S. Government—Con.

Bureau of the Census

Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Consumer Income, P-60.)

Current Population Reports. (Series on Household Economic Studies, P-70.)

Special Studies Reports. (Series on Special Studies, P-23.)

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics: 1986. 1987.

Handbook of Cyclical Indicators. 1984.

Local Area Personal Income, 1979-84. Annual personal income by type of income and by major industries, and population, and per capita income, for States, counties, and metropolitan areas. Nine volumes. 1986.

Survey of Current Business. Monthly.

Bureau of Labor Statistics

Consumer Expenditure Survey: Interview Survey, 1984. 1986. (Bulletin No. 2267.)

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Congressional Budget Office

Trends in Family Income: 1970-1986. February 1988.

Internal Revenue Service

Statistics of Income.

Individual Income Tax Returns. Annual.

Statistics of Income Bulletin. Quarterly.

National Science Foundation

Characteristics of Doctoral Scientists and Engineers in the United States. Detailed Statistical Tables. Biennial.

Characteristics of Recent Science/Engineering Graduates. Detailed Statistical Tables. Biennial.

Science Resources Studies Highlights. Frequent.

More Recent Science and Engineering (S/E) Graduates Finding S/E Jobs. (NSF 88-310.)

Scientists and Engineers Now Account for Over 4 Percent of Total U.S. Employment. (NSF 87-313.)

Women and Minorities in Science and Engineering. Report. Biennial.

Social Security Administration

Studies in Income Distribution. (A series of studies presenting information on the distribution of income, taxes, and

Consumer Income and Expenditures, and Personal Income—Con.

U.S. Government—Con.

Social Security Administration—Con.

transfer payments.) (November 1979, most recent.)

Trends since 1960 in the Economic Status of Aged Men and Women. (Research and Statistics Note No. 3. 1983.)

Other

American Financial Services Association, Washington, DC

AFSA Annual Research Report and Second Mortgage Lending Report on Finance Companies. Annual.

AFSA Annual Research Report and Second Mortgage Lending Report Supplements. Annual.

Finance Facts Yearbook. Annual.

Consumer Prices—*see* Commodity Prices.

Corporations—*see* Business; *and* Manufactures.

Correctional Institutions—*see* Law Enforcement

Cost of Living—*see* Commodity Prices.

Courts—*see* Law Enforcement.

Crime—*see* Law Enforcement.

Crops—*see* Agriculture.

Deaths—*see* Vital Statistics.

Defense—*see* National Defense.

Divorce—*see* Vital Statistics.

Domestic Trade—*see* Retail and Wholesale Trade; *and* Service Establishments.

Economic Indexes—*see also* Agriculture; Business; Commodity Prices; *and* Manufactures

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Banks. Monthly review published by each Bank with special reference to its own Federal Reserve District.

Federal Reserve Bulletin. Monthly. (Also monthly releases on industrial production indexes.)

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics: 1986. 1987.

Handbook of Cyclical Indicators. 1984.

The National Income and Product Accounts of the United States, 1929-82: Statistical Tables. 1986.

Survey of Current Business. Monthly.

Economic Indexes—Con.

U.S. Government—Con.

Bureau of Labor Statistics

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Monthly Labor Review.

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

National Science Foundation

Academic Science/Engineering: Graduate Enrollment and Support. Detailed Statistical Tables. Annual.

Academic Science/Engineering: R&D Funds. Detailed Statistical Tables. Annual.

A Comparative Analysis of Information on National Industrial R&D Expenditures. Special Report. (NSF 85-311.)

Federal Funds for Research and Development. Detailed Statistical Tables. Annual.

Federal R&D Funding by Budget Function. Report. Annual.

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. Detailed Statistical Tables. Annual.

International Science and Technology Data Update. Report. Annual.

National Patterns of Science and Technology Resources. Report. Annual.

Research and Development in Industry. Detailed Statistical Tables. Annual.

Science and Engineering Indicators. Report. Biennial.

Science Resources Studies Highlights. Frequent.

Industrial Technology R&D Performance Increased an Estimated 12 Percent in 1987 to $1.4 Billion. (NSF 88-306.)

Real Increase in 1988 National Funds Estimated at Lowest Rate in Eleven Years. (NSF 88-303.)

Science and Technology Data Book. Report. Annual.

The Science and Technology Resources of West Germany: A Comparison With the United States. Special Report. (NSF 86-310.)

The Science and Technology Resources of Japan: A Comparison With the United States. Special Report. (NSF 88-318.)

Economic Indexes—Con.

- *Other*
  - Business Week. (Billboard Publications, Inc., New York, NY.) (Index of Business Activity.)
  - The Conference Board, New York, NY
    - The Conference Board Statistical Bulletin. Monthly.
  - National Bureau of Economic Research, Cambridge, MA
    - The National Balance Sheet of the United States, 1953-80, by Raymond W. Goldsmith. 1982. (University of Chicago Press, Chicago, IL.)
    - The U. S. National Income and Product Accounts: Selected Topics, Murray F. Foss, editor. 1982. (Studies in Income and Wealth, No. 47.) (University of Chicago Press, Chicago, IL.)

Education—*see also* Science Resources; *and* Vocational Rehabilitation

- *U.S. Government*
  - Bureau of the Census
    - Census of Population. Decennial. (1980, most recent.)
    - Current Population Reports. (Series on Population Characteristics, P-20; and Special Studies, P-23.)
    - Finances of Public School Systems. Annual. (GF No. 10.)
  - Bureau of Labor Statistics
    - Educational Attainment of Workers, March 1982-83. 1984. (Bulletin No. 2191.)
    - Handbook of Labor Statistics. Periodic. (1985, most recent.)
    - How Workers Get Their Training. 1985. (Bulletin No. 2226.)
    - Labor Force Statistics Derived From the Current Population Survey, 1948-87. 1988. (Bulletin No. 2307.)
    - Occupational Projections and Training Data. Biennial.
    - Students, Graduates, and Dropouts, October 1980-82. 1983. (Bulletin No. 2192.)
  - Department of Education
    - Annual Report.
    - Inflation Measures for Schools and Colleges. September 1983.
  - Employment and Training Administration
    - Employment and Training Report of the President. Annual.
  - National Center for Education Statistics
    - Associate Degrees and Other Formal Awards Below the Baccalaureate. Annual.

Education—Con.

- *U.S. Government*—Con.
  - National Center for Education Statistics—Con.
    - College and University Library Survey. (1985, most recent.)
    - The Condition of Education. Annual.
    - Digest of Education Statistics. Annual.
    - Earned Degrees Conferred. Annual.
    - Faculty Salaries, Tenure, and Benefits. Annual.
    - Fall Enrollment in Colleges and Universities. Annual.
    - National Longitudinal Study. Reports issued 1972-78 on high school seniors from class of 1972 and their transition to higher education and the labor force.
    - Participation in Adult Education. (1984, most recent.)
    - Projections of Education Statistics. Biennial.
    - Residence and Migration of College Students. (1984, most recent.)
    - Revenues and Expenditures for Public Elementary and Secondary Education. Annual.
  - National Science Foundation
    - Academic Science/Engineering: Graduate Enrollment and Support. Detailed Statistical Tables. Annual.
    - Academic Science/Engineering: R&D Funds. Detailed Statistical Tables. Annual.
    - Characteristics of Doctoral Scientists and Engineers in the United States. Detailed Statistical Tables.Biennial.
    - Characteristics of Recent Science/Engineering Graduates. Detailed Statistical Tables. Biennial.
    - Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. A report to the President and Congress. Detailed Statistical Tables. Annual.
    - National Patterns of Science and Technology Resources. Report. Annual.
    - Profiles—Chemistry: Human Resources and Funding. Special Report. (NSF 87-307.)
    - Profiles—Mechanical Engineering: Human Resources and Funding. Special Report. (NSF 87-309.)
    - Resources Supporting Scientific and Engineering Activities at Historically Black Colleges and Universities. Special Report. (NSF 84-332.)
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  - Annual Report.
  - Monthly Bulk Commodities Report.

Transportation—Con.

Other—Con.

Lloyd's Register of Shipping, London, England
- Annual Summary of Merchant Ships Completed in the World.
- Casualty Returns. Annual. (Statistical summary of all merchant ships totally lost or reported broken up during year.)
- Merchant Shipbuilding Returns. Quarterly. (Statistical summary of world shipbuilding.)
- Statistical Tables. Annual. (Analysis of world merchant fleet.)

Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI
- Motor Vehicle Facts and Figures. Annual.
- World Motor Vehicle Data. Annual.

National Air Carrier Association, Washington, DC
- Annual Report.

Regional Airline Association, Washington, DC
- Annual Report.

Shipbuilders Council of America, Washington, DC
- Annual Report.

Simmons-Boardman Publishing Corp., New York, NY
- Railway Age. Monthly. (Annual review and outlook issue.)

Slocum Publishing Company, Detroit, MI
- Automotive News Almanac. Annual.

Tanker Advisory Center, Inc., New York, NY
- Worldwide Tanker Casualty Returns. Quarterly.

Transportation Association of America, Washington, DC
- Transportation Facts and Trends. (Discontinued.)

Transportation Policy Associates, Washington, DC
- Transportation in America. March, annually with periodic supplements.

Travel—*see* Recreation *and* Transportation.

Unemployment Insurance—*see* Labor; *and* Social Insurance.

Utilities, Public—*see* Communications; Energy; *and* Transportation.

Veterans—*see* National Defense; *and* Population.

Virgin Islands of the United States—*see* Outlying Areas.

Vital Statistics—*see also* Accidents; *and* Health

U.S. Government

Centers for Disease Control, Atlanta, GA
- Abortion Surveillance. Annual Summary 1979-1980.
- Morbidity and Mortality Weekly Report. Annual summary also.

National Center for Health Statistics
- Monthly Vital Statistics Report. Provisional statistics. Annual summary also.
- Vital and Health Statistics. (A series of statistical reports covering health-related topics.)
  - Series 20: Mortality Data. Irregular.
  - Series 21: Natality, Marriage, and Divorce Data. Irregular.
  - Series 23: National Survey of Family Growth Statistics. Irregular.
- Vital Statistics of the United States. Annual.

Other

The Alan Guttmacher Institute, New York, NY
- Abortion Services in the United States, Each State and Metropolitan Area, 1981-1982. 1985.
- Family Planning Perspectives. Monthly.

United Nations Statistical Office, New York, NY
- Demographic Yearbook.
- Population and Vital Statistics Report. (Statistical Papers, Series A.) Quarterly.
- Statistical Yearbook.
- 1977 Supplement to the Statistical Yearbook and the Monthly Bulletin of Statistics, Methodology, and Definitions. 1979.

World Health Organization, Geneva, Switzerland
- Annual Epidemiological and Vital Statistics.
- Epidemiological and Vital Statistics Report. Monthly.
- World Health Statistics. Quarterly and annual.

Vocational Rehabilitation and Education

U.S. Government

Bureau of the Census
- Social Indicators, 1980.

Department of Education
- Annual Report.

Vocational Rehabilitation and Education—Con.

U.S. Government—Con.

Office of Management and Budget

The Budget of the United States Government. Published annually in a group of five documents; see listing under "Federal Government Finances and Employment."

Rehabilitation Services Administration

Caseload Statistics of State Vocational Rehabilitation Agencies in Fiscal Year. Annual.

Characteristics of Clients Rehabilitated in Fiscal Year. Annual.

State Vocational Rehabilitation Agency Program Data in Fiscal Year. Annual.

Veterans Administration

Annual Report of Administrator of Veterans Affairs.

Disability Compensation Data. Semiannual.

Disability and Death Pension Data. Semiannual.

Disabled Veterans of the Vietnam Era—Education and Training Under the GI Bill and the Vocational Rehabilitation Program. May 1979.

Employment and Unemployment Among Vietnam Era Veterans—An Analysis of the 1979 National Survey of Veterans. August 1981.

Vocational Rehabilitation and Education—Con.

U.S. Government—Con.

Veterans Administration—Con.

Flight Training Under the GI Bill. September 1980.

Historical Data on the Usage of Educational Benefits: 1944-1983. April 1984.

Office of Information Management and Statistics Monograph—Selected Compensation and Pension Data, by State of Residence. Annual.

Office of Information Management and Statistics Monograph—Veterans Benefits under Current Educational Programs. Annual.

Women Veterans—Use of Educational Benefits Under the GI Bill. September 1981.

Wages and Wage Rates—*see* Labor; *and* Social Insurance.

Wealth—*see* National Income.

Weather—*see* Climate.

Welfare Services—*see* Health; *and* Social Insurance.

Wholesale and Retail Trade—*see* Retail and Wholesale Trade.

Wholesale Prices—*see* Commodity Prices.

Work Relief—*see* Social Insurance.

Work Stoppages—*see* Labor.

Guide to State Statistical Abstracts

This bibliography includes the most recent statistical abstracts for States and Puerto Rico published since 1978 plus those that will be issued in late 1988 or early 1989. For some States, a near equivalent has been listed in substitution for, or in addition to, a statistical abstract. All sources contain statistical tables on a variety of subjects for the State as a whole, its component parts, or both. The page counts given for publications are approximate.

Alabama

University of Alabama, Center for Business and Economic Research, P.O. Box 870221, Tuscaloosa 35487 (205)348-6191

Economic Abstract of Alabama. 1987. 475 pp.

Alaska

Department of Commerce and Economic Development, Office of Economic Analysis, Pouch D, Juneau 99811

The Alaska Economic and Statistical Review. 1984. 194 pp. (Out of print.)

Arizona

Valley National Bank, P.O. Box 71, Phoenix 85001 (602)261-5043

Arizona Statistical Review. 44th ed. 1988.

University of Arizona, Division of Economic and Business Research, College of Business and Public Administration, Tucson 85721 (602)621-2155

Arizona Statistical Abstract: A 1989 Data Handbook. 500 pp.

Arizona Economic Indicators. 52 pp. (Biannual.)

Arkansas

University of Arkansas at Little Rock, Regional Economic Analysis, Library 512, Little Rock 72204

Arkansas State and County Economic Data. 18 pp. (Revised annually.)

University of Arkansas at Little Rock, State Data Center, Library 508, Little Rock 72204

Arkansas Statistical Abstract. 500 pp. (Revised biennially.)

California

Department of Finance, 915 L Street, 8th Floor, Sacramento 95814 (916)322-2263

California Statistical Abstract, 1988. 280 pp.

Publishers Group West, 4065 Hollis Street, Emeryville 94608 (415)658-3453

California Almanac, 3d ed. Biennial. 650 pp.

Colorado

University of Colorado, Business Research Division, Campus Box 420, Boulder 80309 (303)492-8227

Statistical Abstract of Colorado, 1987. 600 pp.

Connecticut

Connecticut Department of Economic Development, 210 Washington St., Hartford 06106

Connecticut Market Data. 1988-89.

Delaware

Delaware Development Office, P.O. Box 1401, Dover 19903 (302)736-4271

Delaware Data Book, 1988. 146 pp.

District of Columbia

Office of Planning, Data Services Division, Presidential Bldg., Suite 500, 415 12th St., N.W. 20004

Population Estimates and Housing Units, annual.

Office of Policy, Room 208, 1350 Pennsylvania Ave., N.W. 20004 - Inquiries (202)727-4016; Copies--Office of Documents and Administrative Issues, Room 406 (202)727-5090

Indices—A Statistical Index to DC Services, 1988. Annual. 304 pp.

Florida

University of Florida, Bureau of Economic and Business Research, Gainesville 32611 (904)392-0171

Florida Statistical Abstract, 1988. 22d ed. 1988. 730 pp.

National Data Consultants, P.O. Box 6381, Athens, Georgia 30604 (404)548-8460

Florida County Perspectives: 1989. Annual. 109 pp.

Georgia

University of Georgia, Division of Research, College of Business Administration, Athens 30602 (404)542-4085

Georgia Statistical Abstract, 1988-89. 1988. 512 pp.

University of Georgia, College of Agriculture, Cooperative Extension Service, Athens 30602 (404)542-8940

The Georgia County Guide. 1989. 8th ed. Annual. 171 pp.

Office of Planning and Budget, 270 Washington St., S.W., Atlanta 30334 (404)656-0911

Georgia Descriptions in Data. 1988. 175 pp.

Hawaii

Hawaii State Department of Business and Economic Development, P.O. Box 2359, Honolulu 96804 - Inquiries (808)548-3072; Copies (808)548-3067

The State of Hawaii Data Book 1988: A Statistical Abstract. 22d ed. 1988. 700 pp.

University of Hawaii Press, Honolulu 96822

Historical Statistics of Hawaii. 1977. 711 pp.

Idaho

Department of Commerce, 700 West State St., Boise 83720 (208)334-2470

County Economic Profiles, 1982. (Separate report for each county.)

County Profiles of Idaho, 1988.

Idaho Community Profiles, 1988.

Idaho Facts, 1988.

University of Idaho, Center for Business Development and Research, Moscow 83843

Idaho Statistical Abstract. 1980. 415 pp. (Out of print.)

Illinois

University of Illinois, Bureau of Economic and Business Research, 428 Commerce West, 1206 South 6th Street, Champaign 61820 (217)333-2330

Illinois Statistical Abstract. 1987. 650 pp.

Department of Commerce and Community Affairs, 620 Adams St., Springfield 62701 (217)782-1438

Illinois State and Regional Economic Data Book—1985. 351 pp.

Indiana

Indiana University, Indiana Business Research Center, School of Business, Bloomington 46223 (317)274-2204

Indiana Factbook, 1985. 420 pp.

Indiana Factbook Update, 1989.

Iowa

Iowa Department of Economic Development, Research Bureau, 200 East Grand Ave., Des Moines 50309

1987 Statistical Profile of Iowa. 116 pp.

Kansas

University of Kansas, Institute for Public Policy and Business Research, 607 Blake Hall, Lawrence 66045-2960

Kansas Statistical Abstract, 1987-88. 23d ed. 1988.

Kentucky

Department of Business Development, Capital Plaza Office Tower, Frankfort 40601

Kentucky Economic Statistics. 25th ed. 1989.

Louisiana

University of New Orleans, Division of Business and Economic Research, New Orleans 70148, and Louisiana State Planning Office, Baton Rouge 70804 (504)286-6248

Statistical Abstract of Louisiana. 7th ed. 1981. 413 pp.

Maine

Maine Department of Economic and Community Development, State House Station 59, Augusta 04333 (207)289-2656

Maine: A Statistical Summary. (Updated periodically.)

Maryland

Department of Economic and Employment Development, 217 E. Redwood St., Baltimore 21202 - Inquiries (301)333-6953; Copies (301)333-6600

Maryland Statistical Abstract. 1988-89. 272 pp. (Biennial.)

Massachusetts

Massachusetts Institute for Social and Economic Research, 128 Thompson Hall, University of Massachusetts at Amherst 01003 (413)545-3460

Population Projections 1990 and 1995, Cities and Towns in Massachusetts. March 1988. 400 pp.

Michigan

Wayne State University, Bureau of Business Research, School of Business Administration, Detroit 48202

Michigan Statistical Abstract. 20th ed. 1986-87. 629 pp.

Minnesota

Department of Trade and Economic Development, Policy Analysis Office, 900 American Center Building, St. Paul 55101 (612)296-8341

Compare Minnesota: An Economic and Statistical Factbook, 1988-89. 137 pp.

Economic Report to the Governor: State of Minnesota, 1989. 164 pp.

Office of State Demographer, State Planning Agency, 300 Centennial Bldg., St. Paul 55155 (612)296-2557

Minnesota Population and Household Estimates, 1987. 74 pp.

Mississippi

Mississippi State University, College of Business and Industry, Division of Research, Mississippi State 39762 (601)325-3817

Mississippi Statistical Abstract. 1988. 650 pp.

Missouri

University of Missouri, Business and Public Administration Research Center, Columbia 65211 (314)882-4805

Statistical Abstract for Missouri, 1987. Biennial. 350 pp.

Montana

Montana Department of Commerce, Census and Economic Information Center, Capitol Station, Helena 59620 (406)444-2896

Montana Statistical Abstract. 1985. 1st ed. 484 pp.

Montana County Profiles. (Separate county reports updated periodically.)

Nebraska

Department of Economic Development, Division of Research, Box 94666, Lincoln 68509 (402)471-3779

Nebraska Statistical Handbook. 1988-1989. 300 pp.

Nevada

Office of Community Services, Capitol Complex, Carson City 89710 (702)885-5187

Nevada Statistical Abstract. 1988. Biennial. 450 pp.

New Hampshire

Office of State Planning, 2 1/2 Beacon St., Concord 03301 (603)271-2155

Current Estimates and Trends in New Hampshire's Housing Supply. Update: 1986. 22 pp.

Selected Economic Characteristics of New Hampshire Municipalities. September 1983. 12 pp. (Other series available on population estimates and projections, and taxation.)

New Jersey

New Jersey State Data Center, NJ Department of Labor, CN 388, Trenton 08625-0388 (609)984-2593

New Jersey Statistical Factbook, 1987. 102 pp.

Office of Economic Policy, 20 West State Street, Trenton 08625 (609)292-1890

New Jersey Profile, 1988. Triennial. 203 pp.

New Mexico

University of New Mexico, Bureau of Business and Economic Research, Albuquerque 87131 (505)277-2216

New Mexico Statistical Abstract. 1988. 209 pp.

County Profiles. (Updated continuously.)

New York

Energy Association of New York, 111 Washington Avenue, Suite 601, Albany 12210 (518)449-3440

New York at a Glance, 1987-88. 237 pp.

Nelson Rockefeller Institute of Government, 411 State Street, Albany 12203 (518)472-1300

New York State Statistical Yearbook, 1987-88. 14th ed. 514 pp.

North Carolina

Office of State Budget and Management, Management and Information Services Section, 116 West Jones Street, Raleigh 27603-8005 (919)733-7061

North Carolina State Government Statistical Abstract. 1984. 5th ed. 575 pp.

Profile, North Carolina Counties Update, 1987. 55 pp.

North Dakota

University of North Dakota, Bureau of Business and Economic Research, Grand Forks 58202 (701)777-2637

The Statistical Abstract of North Dakota. 1988. 700 pp.

Economic Development Commission, Liberty Memorial Bldg., Bismarck 58505 (701)224-2810

North Dakota Economic Data Book. 1988. 100 pp.

Ohio

Department of Development, Ohio Data Users Center (ODUC), P.O. Box 1001, Columbus 43266-0101 (614)466-2115

ODUC Products and Services. (Updated continuously.)

Ohio County Profiles.

Oklahoma

University of Oklahoma, Center for Economic and Management Research, 307 West Brooks Street, Room 4, Norman 73019 (405)325-2931

Statistical Abstract of Oklahoma, 1988. Annual. 600 pp.

Oregon

Secretary of State, State Capitol, Salem 97310

Oregon Blue Book. 1987-1988. Biennial. 488 pp.

Pennsylvania

Pennsylvania State Data Center, Pennsylvania State University at Harrisburg, Middleton 15057, in cooperation with the Pennsylvania Department of Commerce

Pennsylvania Statistical Abstract, 1987. 29th ed. 1987. 262 pp.

Rhode Island

Department of Economic Development, 7 Jackson Walkway, Providence 02903

Rhode Island Basic Economic Statistics. 1987. 145 pp.

South Carolina

Budget and Control Board, Division of Research and Statistical Services, R. C. Dennis Building, Room 425, Columbia 29201 (803)734-3788

South Carolina Statistical Abstract: 1987-88. 460 pp.

South Dakota

University of South Dakota, Business Research Bureau, Vermillion 57069 (605)677-5287

Handbook of Manpower Statistics for South Dakota. 294 pp.

1988 South Dakota Community Abstracts. 400 pp.

Tennessee

University of Tennessee, Center for Business and Economic Research, Knoxville 37996-4170 (615)974-5441

Tennessee Statistical Abstract, 1989. 11th ed. 700 pp. (Annual.)

Texas

Dallas Morning News, Communications Center, P.O. Box 655237, Dallas 75265 (214)977-8261

Texas Almanac, 1988-1989. 1987. 640 pp.

University of Texas, Bureau of Business Research, Austin 78712 (512)471-5180

Texas Fact Book, 1989. 6th ed. 250 pp.

Utah

University of Utah, Bureau of Economic and Business Research, 401 Kendall D. Garff Building, Salt Lake City 84112 (801)581-6333

1987 Statistical Abstract of Utah. 1987. (Triennial.)

Utah Foundation, 308 Continental Bank Building, Salt Lake City 84101

Statistical Review of Government in Utah. 1988. 101 pp. (1989 edition to be issued in April 1989.)

Vermont

Office of Policy Research and Coordination, Department of Employment and Training, Montpelier 05602 (802)229-0311 ext. 323

Demographic and Economic Profiles. (Periodically issued.)

Virginia

University of Virginia, Center for Public Service, Dynamics Building, 4th Floor, 2015 Ivy Road, Charlottesville 22903 (804)971-2661

Virginia Statistical Abstract, 1987. Biennial. 800 pp.

Washington

Washington State Office of Financial Management, Insurance Building M. S. AQ-44, Olympia 98504 (206)753-5617

Washington State Data Book, 1987. 300 pp.

Washington Research Council, 906 South Columbia, Suite 350, Olympia 98501 (206)357-6643

How Washington Compares: State and Local Revenue and Expenditures. July 1988. 180 pp.

West Virginia

West Virginia Chamber of Commerce, P.O. Box 2789, Charleston 25330 (304)342-1115

West Virginia: Economic-Statistical Profile, 1987-1988. Biennial. 750 pp.

West Virginia Research League, Inc., 405 Capitol Street, Suite 414, Charleston 25301 (304)346-9451

Economic Indicators. 1988. 110 pp.

The 1987 Statistical Handbook. 86 pp.

Wisconsin

Wisconsin Legislative Reference Bureau, State Capitol, Madison 53702 (608)266-0341

1987-1988 Wisconsin Blue Book. 1,000 pp. (Biennial.)

Wyoming

Department of Administration and Fiscal Control, Division of Research and Statistics, 302 Emerson Building, Cheyenne 82002 (307)777-7504

Wyoming Data Handbook, 1987. 186 pp.

Puerto Rico

Planning Board, Area of Social and Economic Planning, Bureau of Economic Analysis, Bureau of Statistics and Bureau of Human Resources, Santurce 00940

Economic Report to the Governor, 1986. (In Spanish.)

Historic Series of Employment, Unemployment and Labor Force, 1984. 202 pp. (In Spanish.)

Social Statistics Abstract, 1984. 184 pp. (In Spanish.)

Guide to Foreign Statistical Abstracts

This bibliography presents recent statistical abstracts for Mexico, the Soviet Union, and member nations of the Organization for Economic Cooperation and Development. All sources contain statistical tables on a variety of subjects for the individual countries. Many of the following publications provide text in English as well as in the national language(s). For further information on these publications, contact the named statistical agency which is responsible for editing the publication.

Austria

Osterreichisches Statistisches Zentralamt, P.O. Box 9000, A-1033 Vienna

Statistisches Handbuch for die Republik Osterreich. 1987. Annual. 690 pp. (In German.)

Australia

Australian Bureau of Statistics, Canberra

Yearbook Australia. 1986. Annual. 705 pp. (In English.)

Belgium

Institut National de Statistique, 44 rue de Louvain, 1000 Brussels

Annuaire statistique de la Belgique. 1983. Annual. 783 pp. (In French and Dutch.)

Canada

Statistics Canada, Ottawa, Ontario, KIA OT6

Canada Yearbook: A review of economic, social and political developments in Canada. 1988. Irregular. (In English and French.)

Denmark

Danmarks Statistik, Postboks 2550 Sejrogade 11, DK 2100, Copenhagen 0

Statistical Yearbook. 1987. Annual. 516 pp. (In Danish with English translations of table headings.)

Finland

Central Statistical Office of Finland, Box 504 SF-00101 Helsinki

Statistical Yearbook of Finland. 1987. Annual. 557 pp. (In English, Finnish, and Swedish.)

France

Institut National de la Statistique et des Etudes Economiques, Paris 18, Bld. Adolphe Pinard, 75675 Paris (Cedex 14)

Annuaire Statistique de la France. 1987. Annual. 888 pp. (plus 48 pages Liste des Tableaux). (In French.)

Greece

National Statistical Office, 14-16 Lycourgou St., 101-66 Athens

Statistical Yearbook of Greece. 1986. Annual. 473 pp. (plus 7 pages of diagrams). (In English and Greek.)

Iceland

Hagstofa Islands/Statistical Bureau, Hverfisgata 8-10, Reykjavik.

Statistical Abstract of Iceland. 1984. Irregular. 286 pp. (In English and Icelandic.)

Ireland

Central Statistics Office, Earlsfort Terrace, Dublin 2

Statistical Abstract. 1982-85. Annual. 410 pp. (In English.)

Italy

ISTAT (Istituto Centrale di Statistica), Via Cesare Balbo 16, 00100 Rome

Annuario Statistico Italiano. 1987. Annual. 715 pp. (In Italian.)

Japan

Statistics Bureau, Management & Coordination Agency, 19-1 Wakamatsucho, Shinjuku Tokyo 162

Japan Statistical Yearbook. 1987. Annual. 836 pp. (In English and Japanese.)

Luxembourg

STATEC (Service Central de la Statistique et des Etudes), P.O. Box 304, L-2013, Luxembourg

Annuaire Statistique. 1987-88. Annual. 529 pp. (In French.)

Mexico

Instituto Nacional de Estadistica Geografia e Informatica, Avda. Insurgentes Sur No. 795-PH Col. Napoles, Del. Benito Juarez 03810 Mexico, D.F.

Anuario estadistico de los Estados Unidos Mexicanos. 1986. Annual. 706 pp. (In Spanish.)

Netherlands

Centraal Bureau voor de Statistiek. 428 Prinses Beatrixlaan P.O. Box 959, 2270 AZ Voorburg

Statistical Yearbook of the Netherlands. 1987. Annual. 425 pp. (In English.)

New Zealand

Department of Statistics, Wellington

New Zealand Official Yearbook. 1986-87. Annual. 1,074 pp. (In English.)

Norway

Central Bureau of Statistics, Skippergate 15, P.B. 8131 Dep. N-Oslo 1

Statistical Yearbook. 1987. Annual. 512 pp. (In English and Norwegian.)

Portugal

INE (Instituto Nacional de Estatistica), Avenida Antonio Jose de Almeida, P-1078 Lisbon Codex

Anuario Estatistico: Continente, Acores e Madeira. 1987. Annual. 339 pp. (In French and Portugese.)

Soviet Union

Central Statistical Board, Moscow

Narodnoe Khoziaistvo SSSR: Statisticheskii ezhegodnik. 1987. Annual. 767 pp. (In Russian.)

Spain

INE (Instituto Nacional de Estadistica), Paseo de la Castellana, 183, Madrid 16

Anuario Estadistico de Espana. 1987. Annual. 929 pp. (In Spanish.)

Anuario Estadistico. 1988. (Edicion Manual.) 976 pp.

Sweden

Statistics Sweden, S-11581 Stockholm

Statistical Abstract of Sweden. 1988. Annual. 561 pp. (In English and Swedish.)

Switzerland

Bundesamt fur Statistik, Hallwylstrasse 15, CH-3003, Bern

Statistisches Jahrbuch der Schweiz. 1986. Annual. 658 pp. (In French and German.)

Turkey

State Institute of Statistics, Prime Ministry, 114 Necatibey Caddesi, Bakanliklar, Yenisehir, Ankara

Statistical Yearbook of Turkey. 1987. Published on odd numbered years. 479 pp. (In English and Turkish.)

Statistical Pocketbook of Turkey. 1986. Published on even numbered years. 294 pp. (In English and Turkish.)

United Kingdom

Central Statistical Office, Great George Street, London SW1P 3AQ

Annual Abstract of Statistics. 1987. Annual. 340 pp. (In English.)

West Germany

Statistische Bundesamt, Postfach 5528, 6200 Wiesbaden

Statistisches Jahrbuch fur die Bundesrepublik Deutschland. 1987. Annual. 788 pp. (In German.)

Yugoslavia

Savezni Zavod za Statistiku, P.O. Box 203, 11000 Belgrade

Statisticki Godisnjak Jugoslavije. 1987. Annual. 800 pp. (In Serbo-Croatian with English, French, and Russian translations of table headings.)

Appendix II

Metropolitan Area Concepts and Components and Population of Metropolitan Statistical Areas

Statistics for metropolitan areas shown in the *Statistical Abstract* represent areas designated by the U.S. Office of Management and Budget (OMB) as standard metropolitan statistical areas (SMSA's) or metropolitan statistical areas (MSA's). Effective June 30, 1983, OMB changed the basic term from SMSA to MSA and revised the geographic definitions of many individual metropolitan areas; some new areas were defined, and some areas were redesignated as PMSA's or CMSA's (see further explanation below). The revised definitions appear in OMB press release 83-20 of June 27, 1983. The official standards for defining MSA's appeared in the Federal Register, January 3, 1980 (part 6). Revisions of MSA definitions are made periodically by OMB, mainly to add newly qualified MSA's or central cities.

The list of areas which follows (see p. 893) specifies components and population totals and refers to the definitions in effect on June 30, 1988. On that date, there were 266 MSA's, as well as 21 CMSA's comprising 73 PMSA's (including 4 MSA's, 1 CMSA, and 2 PMSA's in Puerto Rico). The figures in tables A, B, and C below (see pp. 891 and 892), exclude the areas in Puerto Rico.

The general concept of a metropolitan area is one of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with that nucleus. Standard definitions of metropolitan statistical areas were first issued in 1949 by the then Bureau of the Budget (predecessor of OMB), under the designation, "Standard Metropolitan Areas"; the term was changed to SMSA in 1959. From 1977 to 1981, the SMSA's were the responsibility of the Office of Federal Statistical Policy and Standards, Department of Commerce.

The criteria for the establishment and definition of SMSA's were modified in 1958, 1971, and 1975. The current standards were adopted in January 1980; they provide that each MSA must include at least:

(a) One city with 50,000 or more inhabitants, or

(b) A Census Bureau-defined urbanized area of at least 50,000 inhabitants *and* a total MSA population of at least 100,000 (75,000 in New England).

The standards provide that the MSA include as "central county(ies)" the county in which the central city is located, and adjacent counties, if any, with at least 50 percent of their population in the urbanized area. Additional "outlying counties" are included if they meet specified requirements of commuting to the central counties and of metropolitan character (such as population density and percent urban). In New England the MSA's are defined in terms of cities and towns rather than counties.

The 1980 standards provide that within metropolitan complexes of 1 million or more population, separate component areas are defined if specified criteria are met. Such areas are designated primary metropolitan statistical areas (PMSA's); and any area containing PMSA's is designated a consolidated metropolitan statistical area (CMSA). Besides the 21 CMSA's, there are 17 MSA's of 1 million or more in 1987 within which no component PMSA's are established. Of the 73 PMSA's, most were formerly SMSA's, but some were newly established in 1983.

Of the 21 CMSA's most were previously recognized as standard consolidated statistical areas (SCSA's), but 5 were formerly SMSA's within which PMSA's were newly qualified in 1983.

The standards adopted in 1980 were implemented in two stages. First, they were used to define a group of 36 new areas in June 1981. The 323 SMSA's as of June 30, 1981 were reported in the 1980 census tabulations and publications. Next, the boundaries of all SMSA's were reviewed in 1982–83 under the new standards after 1980 commuting data became available.

Revised 1980 standards for determining central cities and titles were implemented as part of the 1982–83 review. The largest city in each MSA is designated a "central city"; in addition there may be additional central cities if specified requirements are met. The title of each MSA consists of the name(s) of up to three of its central cities and the name of each State into which the MSA extends. However, a central city generally is not included in an MSA title unless it has at least one-third the population of the area's largest city. Prior to 1983, virtually all central cities appeared in area titles. An MSA may include other cities of 50,000 or more besides its central or title cities.

One report relating to the new MSA definitions has been published as *1980 Census of Population, Supplementary Report, Metropolitan Statistical Areas* (PC80-S1-18). The *State and Metropolitan Area Data Book, 1986* presents 298 data items for metropolitan areas from a wide variety of sources (see inside back cover).

New England MSA's and NECMA's.—Because MSA's in New England are defined in terms of cities and towns rather than counties, some statistical data that are available only for counties cannot be compiled for individual New England MSA's. Therefore, for New England areas, data are shown for both New England County Metropolitan Areas (NECMA's) and MSA's wherever possible. The NECMA's provide a county version of the New England areas, but do not replace New England MSA's as the standard areas. NECMA's are defined corresponding to the 3 CMSA's in New England and for the portion of the New York–Northern New Jersey–Long Island CMSA in Connecticut. There are no NECMA definitions corresponding to New England PMSA's.

Effect of changes in MSA definitions.—Changes in the definitions of MSA's since 1949 have consisted chiefly of (1) the recognition of new areas as, for example, cities reached 50,000 population; and (2) the addition of counties (or towns in New England) to existing MSA's as new census data showed them to qualify. Also, several formerly separate MSA's have been merged, and occasionally territory has been transferred from one MSA to another or from an MSA to nonmetropolitan territory. Comparisons of MSA figures over time may be affected in cases where the MSA definitions were changed. To maintain comparability, data for an earlier period have been revised in this volume where possible, to reflect the MSA boundaries of the more recent period. However, this could not always be done; for data based on a sample survey, in particular, it is usually not possible to revise the data to reflect changes in MSA definitions that occurred after the survey was made.

In tables A, B, and C that follow, data are given for MSA's as defined for specified dates, thereby indicating the extent of change in population and land area resulting from revisions in definitions.

TABLE A. NUMBER, POPULATION, AND LAND AREA OF MSA'S AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1988

[The differences in population shown here for each year within each column of the table result entirely from net expansion of metropolitan territory through changes in the MSA definitions. The differences in population shown for each MSA definition (on the successive lines of the table) result entirely from population changes within that territory, unaffected by changes in MSA definitions. The changes in 1980 land area result entirely from net expansion of MSA territory. All data include Alaska and Hawaii and exclude Puerto Rico. Subtraction of any line of the table from the line below will show the net effect of change in population and land area undergone by the MSA's as the result of changes in definitions between the specified dates. Such changes typically occurred throughout the period, not on any single date, and may have included reductions in, as well as additions to, MSA territory. Census population data for 1970 include corrections made since publication. The area data for the 1950, 1960, and 1970 census definitions of MSA's differ from the data published in those censuses because of subsequent remeasurement of land areas and changes in inland water area occurring up to 1980]

MSA DEFINITION AS OF—	Number of MSA's	POPULATION					Land area, **1980** (sq. mi.)
		1950, Apr. 1	**1960**, Apr. 1	**1970**, Apr. 1	**1980**, Apr. 1	**1987**, July 1	
1950 census (Mar. 1952)	169	[1] 84,853,700	106,344,548	122,184,836	128,839,422	137,121,486	207,146
1960 census (Nov. 1960)	212	89,316,903	[2] 112,885,139	130,982,661	140,793,427	151,089,104	309,112
1964 (Aug. 31) [3]	217	91,644,186	115,876,343	134,700,911	145,503,863	156,492,710	348,861
1968 (Jan. 31) [4]	230	93,629,986	118,413,604	137,976,252	149,811,057	161,438,835	377,581
1970 census (Feb. 28, 1971)	243	94,579,006	[5] 119,593,498	[6] 139,479,806	151,662,221	163,524,645	386,886
1974 (Apr. 30) [7]	265	[8] 100,219,707	[9] 126,613,710	148,196,993	162,753,335	176,224,511	491,249
1977 (Dec. 31) [10]	277	101,109,145	127,674,818	149,482,664	164,383,496	178,045,602	510,581
1980 census (June 30, 1981) [11]	318	104,172,853	131,318,714	153,693,767	169,430,623	183,565,954	566,157
1983 (June 30)	[12] 275	105,214,468	132,634,375	155,410,542	171,776,970	186,271,638	560,900
1984 (Oct. 12)	[12] 277	105,269,585	132,708,135	155,519,340	171,955,900	186,510,661	564,908
1985 (June 30)	[12] 280	105,411,428	132,867,134	155,700,823	172,169,456	186,668,500	570,933
1986 (June 30)	[12] 281	105,481,211	132,977,580	155,805,452	172,304,016	186,909,955	572,871
1987 (June 30) [13]	[12] 281	105,502,909	133,003,445	155,832,686	172,334,547	186,940,747	573,412
1988 (June 30)	[12] 282	105,582,961	133,088,400	155,937,275	172,454,948	187,071,981	574,679

[1] Corresponds to total MSA population for 1950 published in 1950 census (84,500,680) plus Honolulu MSA. [2] Corresponds to total MSA population for 1960 published in 1960 census (112,885,178), corrected by subtracting population (39) erroneously included in Franklin County, Ohio (Columbus MSA). [3] MSA's as defined for the 1963 economic censuses. [4] MSA's as defined for the 1967 economic censuses. [5] Corresponds to total 1960 population for 1970 MSA's published in 1970 census (119,594,754), corrected by subtracting 1,256 population from Lawrence-Haverhill MSA; this represented an addition to the 1960 population of Andover town made subsequent to the original census tabulations, and therefore not reflected in State or national totals. [6] Corresponds to total MSA population for 1970 published in 1970 census (139,418,811), plus net corrections made subsequent to publication. [7] MSA's as defined for the 1972 economic censuses. [8] Includes estimated 1950 population (32,060) of Anchorage Census Division, as defined in 1970. [9] Includes 1960 population (82,833) of Anchorage Census Division, as defined in 1970. [10] MSA's as defined for the 1977 economic censuses. [11] MSA's as defined for the 1982 economic censuses. [12] MSA's and CMSA's. [13] MSA's as defined for the 1987 economic censuses.

Source: U.S. Bureau of the Census, 1950–1970, *U.S. Census of Population*, vol. 1; *1980 Census of Population*, vol. 1, chapters A and B and *Supplementary Report, Metropolitan Statistical Areas* (PC80-S1-18); and *Current Population Reports*, series P-26, No. 87-A.

TABLE B. NONMETROPOLITAN POPULATION AND LAND AREA AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1988

[See headnote for table A, p. 891. Nonmetropolitan population and land area are equivalent to that portion of the total national population and land area not included within MSA's at the dates specified]

MSA DEFINITION AS OF—	POPULATION					Land area, 1980 (sq. mi.)
	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	1987, July 1	
1950 census (Mar. 1952)	66,472,096	72,978,627	81,117,195	97,706,383	106,274,510	3,332,143
1960 census (Nov. 1960)	62,006,895	66,438,036	72,319,370	85,752,378	92,306,892	3,230,177
1964 (Aug. 31)	59,661,610	63,446,832	68,601,120	81,041,942	86,903,286	3,190,429
1968 (Jan. 31)	57,695,812	60,909,571	66,325,779	76,734,748	81,957,161	3,161,709
1970 census (Feb. 28, 1971)	56,746,790	59,729,677	63,822,225	74,883,584	79,871,351	3,152,403
1974 (Apr. 30)	51,016,091	52,709,465	55,103,036	63,792,470	67,171,485	3,048,040
1977 (Dec. 31)	50,216,653	51,648,357	53,819,367	62,162,309	65,350,394	3,028,708
1980 census (June 30, 1981)	47,152,945	48,004,461	49,608,264	57,115,182	59,830,042	2,973,132
1983 (June 30)	46,111,330	46,688,800	47,891,489	54,768,835	57,124,358	2,978,389
1984 (Oct. 12)	46,056,213	46,615,040	47,782,691	54,589,905	56,885,335	2,974,381
1985 (June 30)	45,914,370	46,436,041	47,601,206	54,376,349	56,727,496	2,968,358
1986 (June 30)	45,844,587	46,345,595	47,496,579	54,241,789	56,486,041	2,966,418
1987 (June 30)	45,822,869	46,319,730	47,469,343	54,211,256	56,455,249	2,965,877
1988 (June 30)	45,742,837	46,234,775	47,364,756	54,090,857	56,324,015	2,964,610

TABLE C. PERCENT OF TOTAL U.S. POPULATION AND PERCENT OF LAND AREA INSIDE MSA'S AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1988

[See headnote for table A, p. 891]

MSA DEFINITION AS OF—	PERCENT OF POPULATION					Percent of land area, 1980
	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	1987, July 1	
1950 census (Mar. 1952)	56.1	59.3	60.1	56.9	56.3	5.9
1960 census (Nov. 1960)	59.0	63.0	64.4	62.2	62.1	8.7
1964 (Aug. 31)	60.6	64.6	66.3	64.2	64.3	9.9
1968 (Jan. 31)	61.9	66.0	67.9	66.1	66.3	10.7
1970 census (Feb. 28, 1971)	62.5	66.7	68.6	67.0	67.2	10.9
1974 (Apr. 30)	66.2	70.6	72.9	71.8	72.4	13.9
1977 (Dec. 31)	66.8	71.2	73.5	72.6	73.2	14.4
1980 census (June 30, 1981)	68.8	73.2	75.6	74.8	75.4	16.0
1983 (June 30)	69.5	74.0	76.4	75.8	76.5	15.8
1984 (Oct. 12)	69.6	74.0	76.5	75.9	76.6	16.0
1985 (June 30)	69.7	74.1	76.6	76.0	76.7	16.1
1986 (June 30)	69.7	74.2	76.6	76.1	76.8	16.2
1987 (June 30)	69.7	74.2	76.7	76.1	76.8	16.2
1988 (June 30)	69.8	74.2	76.7	76.1	76.9	16.2

Source of tables B and C: U.S. Bureau of the Census, 1950–1970, *U.S. Census of Population*, vol. I; *1980 Census of Population*, vol. 1, chapters A and B, and *Supplementary Report, Metropolitan Statistical Areas*, (PC80–S1–18), and *Current Population Reports*, series P–26, No. 87–A.

New England County Metropolitan Areas (NECMA'S)

	1987 Population[1] (1,000)
Bangor, ME	**139**
Penobscot County	139
Boston-Lawrence-Salem-Lowell-Brockton, MA	**3,729**
Essex County	651
Middlesex County	1,374
Norfolk County	610
Plymouth County	427
Suffolk County	667
Bridgeport-Stamford-Norwalk-Danbury, CT	**818**
Fairfield County	818
Burlington, VT	**132**
Chittenden County	127
Grand Isle County	5
Hartford-New Britain-Middletown-Bristol, CT	**1,098**
Hartford County	837
Middlesex County	138
Tolland County	123
Lewiston-Auburn, ME	**101**
Androscoggin County	101
Manchester-Nashua, NH	**323**
Hillsborough County	323
New Bedford-Fall River-Attleboro, MA	**479**
Bristol County	479
New Haven-Waterbury-Meriden, CT	**787**
New Haven County	787
New London-Norwich, CT	**247**
New London County	247
Pittsfield, MA	**140**
Berkshire County	140
Portland, ME	**233**
Cumberland County	233
Portsmouth-Dover-Rochester, NH	**326**
Rockingham County	229
Strafford County	97
Providence-Pawtucket-Woonsocket, RI	**901**
Bristol County	48
Kent County	160
Providence County	591
Washington County	103
Springfield, MA	**585**
Hampden County	445
Hampshire County	140
Worcester-Fitchburg-Leominster, MA	**665**
Worcester County	665

[1] As of July 1.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–26, No. 87–A; press release (CB88–157) and unpublished data.

APPENDIX II

Metropolitan Statistical Areas and their Components as of June 30, 1988

[Population estimated as of **July 1, 1987.** All MSA's are arranged alphabetically. For relationship of PMSA's to their CMSA's, see CMSA entry]

	1987 Population (1,000)
Abilene, TX MSA	**123**
Taylor County	123
Akron, OH PMSA	**647**
Portage County	138
Summit County	509
Albany, GA MSA	**117**
Dougherty County	102
Lee County	15
Albany-Schenectady-Troy, NY MSA	**846**
Albany County	283
Greene County	42
Montgomery County	52
Rensselaer County	151
Saratoga County	168
Schenectady County	150
Albuquerque, NM MSA	**486**
Bernalillo County	486
Alexandria, LA MSA	**140**
Rapides Parish	140
Allentown-Bethlehem, PA-NJ MSA	**666**
Carbon County, PA	55
Lehigh County, PA	285
Northampton County, PA	239
Warren County, NJ	87
Altoona, PA MSA	**132**
Blair County	132
Amarillo, TX MSA	**197**
Potter County	105
Randall County	92
Anaheim-Santa Ana, CA PMSA	**2,219**
Orange County	2,219
Anchorage, AK MSA	**223**
Anchorage Borough	223
Anderson, IN MSA	**133**
Madison County	133
Anderson, SC MSA	**141**
Anderson County	141
Ann Arbor, MI PMSA	**268**
Washtenaw County	268
Anniston, AL MSA	**122**
Calhoun County	122
Appleton-Oshkosh-Neenah, WI MSA	**309**
Calumet County	37
Outagamie County	136
Winnebago County	137
Asheville, NC MSA	**171**
Buncombe County	171
Athens, GA MSA	**142**
Clarke County	78
Jackson County	29
Madison County	20
Oconee County	15
Atlanta, GA MSA	**2,657**
Barrow County	26
Butts County	16
Cherokee County	81
Clayton County	169
Cobb County	409
Coweta County	48
De Kalb County	539
Douglas County	71
Fayette County	52
Forsyth County	40
Fulton County	639
Gwinnett County	302
Henry County	50
Newton County	42
Paulding County	34
Rockdale County	50
Spalding County	54
Walton County	35
Atlantic City, NJ MSA	**303**
Atlantic County	209
Cape May County	94
Augusta, GA-SC MSA	**392**
Columbia County, GA	60
McDuffie County, GA	20
Richmond County, GA	193
Aiken County, SC	120
Aurora-Elgin, IL PMSA	**352**
Kane County	315
Kendall County	38
Austin, TX MSA	**738**
Hays County	64
Travis County	552
Williamson County	122
Bakersfield, CA MSA	**505**
Kern County	505
Baltimore, MD MSA	**2,303**
Anne Arundel County	413
Baltimore County	676
Carroll County	116
Harford County	164
Howard County	157
Queen Anne's County	31
Baltimore city	746
Bangor, ME MSA	**84**
Penobscot County (pt.)	81
Waldo County (pt.)	3
Baton Rouge, LA MSA	**538**
Ascension Parish	59
East Baton Rouge Parish	386
Livingston Parish	73
West Baton Rouge Parish	21
Battle Creek, MI MSA	**138**
Calhoun County	138
Beaumont-Port Arthur, TX MSA	**371**
Hardin County	42
Jefferson County	244
Orange County	85
Beaver County, PA PMSA	**191**
Beaver County	191
Bellingham, WA MSA	**115**
Whatcom County	115
Benton Harbor, MI MSA	**165**
Berrien County	165
Bergen-Passaic, NJ PMSA	**1,294**
Bergen County	830
Passaic County	464
Billings, MT MSA	**118**
Yellowstone County	118
Biloxi-Gulfport, MS MSA	**206**
Hancock County	33
Harrison County	173
Binghamton, NY MSA	**260**
Broome County	209
Tioga County	51
Birmingham, AL MSA	**917**
Blount County	39
Jefferson County	678
St. Clair County	48
Shelby County	83
Walker County	69
Bismarck, ND MSA	**86**
Burleigh County	60
Morton County	26
Bloomington, IN MSA	**104**
Monroe County	104
Bloomington-Normal, IL MSA	**124**
McLean County	124
Boise City, ID MSA	**196**
Ada County	196
Boston, MA PMSA	**2,842**
Bristol County (pt.)	38
Essex County (pt.)	120
Middlesex County (pt.)	1,120
Norfolk County (pt.)	599
Plymouth County (pt.)	231
Suffolk County	667
Worcester County (pt.)	67
Boston-Lawrence-Salem, MA-NH CMSA	**4,093**
Boston, MA PMSA	2,842
Brockton, MA PMSA	185
Lawrence-Haverhill, MA-NH PMSA	375
Lowell, MA-NH PMSA	260
Nashua, NH PMSA	172
Salem-Gloucester, MA PMSA	258
Boulder-Longmont, CO PMSA	**217**
Boulder County	217
Bradenton, FL MSA	**184**
Manatee County	184
Brazoria, TX PMSA	**187**
Brazoria County	187
Bremerton, WA MSA	**174**
Kitsap County	174

[See headnote, p. 893]

	1987 Population (1,000)
Bridgeport-Milford, CT PMSA	**444**
Fairfield County (pt.)	334
New Haven County (pt.)	109
Bristol, CT PMSA	**78**
Hartford County (pt.)	67
Litchfield County (pt.)	11
Brockton, MA PMSA	**185**
Bristol County (pt.)	19
Norfolk County (pt.)	5
Plymouth County (pt.)	161
Brownsville-Harlingen, TX MSA	**264**
Cameron County	264
Bryan-College Station, TX MSA	**118**
Brazos County	118
Buffalo, NY PMSA	**958**
Erie County	958
Buffalo-Niagara Falls, NY CMSA	**1,175**
Buffalo, NY PMSA	958
Niagara Falls, NY PMSA	216
Burlington, NC MSA	**105**
Alamance County	105
Burlington, VT MSA	**127**
Chittenden County (pt.)	120
Franklin County (pt.)	3
Grand Isle County (pt.)	3
Canton, OH MSA	**397**
Carroll County	27
Stark County	370
Casper, WY MSA	**67**
Natrona County	67
Cedar Rapids, IA MSA	**170**
Linn County	170
Champaign-Urbana-Rantoul, IL MSA	**173**
Champaign County	173
Charleston, SC MSA	**502**
Berkeley County	130
Charleston County	293
Dorchester County	79
Charleston, WV MSA	**261**
Kanawha County	220
Putnam County	41
Charlotte-Gastonia-Rock Hill, NC-SC MSA	**1,091**
Cabarrus County, NC	94
Gaston County, NC	173
Lincoln County, NC	47
Mecklenburg County, NC	466
Rowan County, NC	105
Union County, NC	82
York County, SC	124
Charlottesville, VA MSA	**123**
Albemarle County	62
Fluvanna County	12
Greene County	9
Charlottesville city	41
Chattanooga, TN-GA MSA	**432**
Hamilton County, TN	287
Marion County, TN	25
Sequatchie County, TN	9
Catoosa County, GA	40
Dade County, GA	12
Walker County, GA	57
Cheyenne, WY MSA	**76**
Laramie County	76
Chicago, IL PMSA	**6,199**
Cook County	5,288
Du Page County	743
McHenry County	167
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA	**8,147**
Aurora-Elgin, IL PMSA	352
Chicago, IL PMSA	6,199
Gary-Hammond, IN PMSA	604
Joliet, IL PMSA	377
Kenosha, WI PMSA	120
Lake County, IL PMSA	494
Chico, CA MSA	**169**
Butte County	169
Cincinnati, OH-KY-IN PMSA	**1,438**
Clermont County, OH	144
Hamilton County, OH	874
Warren County, OH	108
Boone County, KY	54
Campbell County, KY	82
Kenton County, KY	139
Dearborn County, IN	38
Cincinnati-Hamilton, OH-KY-IN CMSA	**1,715**
Cincinnati, OH-KY-IN PMSA	1,438
Hamilton-Middletown, OH PMSA	276
Clarksville-Hopkinsville, TN-KY MSA	**157**
Montgomery County, TN	94
Christian County, KY	63
Cleveland, OH PMSA	**1,851**
Cuyahoga County	1,443
Geauga County	77
Lake County	214
Medina County	117
Cleveland-Akron-Lorain, OH CMSA	**2,767**
Akron, OH PMSA	647
Cleveland, OH PMSA	1,851
Lorain-Elyria, OH PMSA	268
Colorado Springs, CO MSA	**390**
El Paso County	390
Columbia, MO MSA	**107**
Boone County	107
Columbia, SC MSA	**451**
Lexington County	169
Richland County	282
Columbus, GA-AL MSA	**246**
Chattahoochee County, GA	17
Muscogee County, GA	178
Russell County, AL	51
Columbus, OH MSA	**1,320**
Delaware County	60
Fairfield County	99
Franklin County	922
Licking County	125
Madison County	36
Pickaway County	46
Union County	32
Corpus Christi, TX MSA	**360**
Nueces County	299
San Patricio County	61
Cumberland, MD-WV MSA	**102**
Allegany County, MD	75
Mineral County, WV	27
Dallas, TX PMSA	**2,456**
Collin County	219
Dallas County	1,852
Denton County	225
Ellis County	80
Kaufman County	54
Rockwall County	26
Dallas-Fort Worth, TX CMSA	**3,725**
Dallas, TX PMSA	2,456
Fort Worth-Arlington, TX PMSA	1,269
Danbury, CT PMSA	**189**
Fairfield County (pt.)	165
Litchfield County (pt.)	24
Danville, VA MSA	**109**
Pittsylvania County	65
Danville city	44
Davenport-Rock Island-Moline, IA-IL MSA	**367**
Scott County, IA	156
Henry County, IL	54
Rock Island County, IL	157
Dayton-Springfield, OH MSA	**939**
Clark County	147
Greene County	132
Miami County	90
Montgomery County	569
Daytona Beach, FL MSA	**332**
Volusia County	332
Decatur, AL MSA	**131**
Lawrence County	31
Morgan County	100
Decatur, IL MSA	**125**
Macon County	125
Denver, CO PMSA	**1,645**
Adams County	280
Arapahoe County	387
Denver County	501
Douglas County	43
Jefferson County	433
Denver-Boulder, CO CMSA	**1,861**
Boulder-Longmont, CO PMSA	217
Denver, CO PMSA	1,645
Des Moines, IA MSA	**385**
Dallas County	30
Polk County	319
Warren County	36
Detroit, MI PMSA	**4,362**
Lapeer County	72
Livingston County	109
Macomb County	707
Monroe County	134
Oakland County	1,044
St. Clair County	142
Wayne County	2,152
Detroit-Ann Arbor, MI CMSA	**4,630**
Ann Arbor, MI PMSA	268
Detroit, MI PMSA	4,362
Dothan, AL MSA	**130**
Dale County	49
Houston County	80
Dubuque, IA MSA	**91**
Dubuque County	91
Duluth, MN-WI MSA	**242**
St. Louis County, MN	200
Douglas County, WI	42
Eau Claire, WI MSA	**137**
Chippewa County	54
Eau Claire County	84

[See headnote, p. 893]

	1987 Population (1,000)
El Paso, TX MSA	**573**
El Paso County	573
Elkhart-Goshen, IN MSA	**150**
Elkhart County	150
Elmira, NY MSA	**90**
Chemung County	90
Enid, OK MSA	**60**
Garfield County	60
Erie, PA MSA	**279**
Erie County	279
Eugene-Springfield, OR MSA	**265**
Lane County	265
Evansville, IN-KY MSA	**281**
Posey County, IN	26
Vanderburgh County, IN	167
Warrick County, IN	46
Henderson County, KY	42
Fall River, MA-RI PMSA	**153**
Bristol County, MA (pt.)	135
Newport County, RI (pt.)	18
Fargo-Moorhead, ND-MN MSA	**147**
Cass County, ND	99
Clay County, MN	48
Fayetteville, NC MSA	**259**
Cumberland County	259
Fayetteville-Springdale, AR MSA	**110**
Washington County	110
Fitchburg-Leominster, MA MSA	**96**
Middlesex County (pt.)	3
Worcester County (pt.)	94
Flint, MI MSA	**435**
Genesee County	435
Florence, AL MSA	**136**
Colbert County	54
Lauderdale County	82
Florence, SC MSA	**117**
Florence County	117
Fort Collins-Loveland, CO MSA	**180**
Larimer County	180
Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	**1,163**
Broward County	1,163
Fort Myers-Cape Coral, FL MSA	**295**
Lee County	295
Fort Pierce, FL MSA	**215**
Martin County	91
St. Lucie County	125
Fort Smith, AR-OK MSA	**178**
Crawford County, AR	43
Sebastian County, AR	100
Sequoyah County, OK	35
Fort Walton Beach, FL MSA	**145**
Okaloosa County	145
Fort Wayne, IN MSA	**364**
Allen County	302
De Kalb County	35
Whitley County	28
Fort Worth-Arlington, TX PMSA	**1,269**
Johnson County	95
Parker County	63
Tarrant County	1,110
Fresno, CA MSA	**597**
Fresno County	597
Gadsden, AL MSA	**103**
Etowah County	103
Gainesville, FL MSA	**205**
Alachua County	180
Bradford County	25
Galveston-Texas City, TX PMSA	**211**
Galveston County	211
Gary-Hammond, IN PMSA	**604**
Lake County	481
Porter County	123
Glens Falls, NY MSA	**112**
Warren County	55
Washington County	58
Grand Forks, ND MSA	**70**
Grand Forks County	70
Grand Rapids, MI MSA	**657**
Kent County	482
Ottawa County	175
Great Falls, MT MSA	**78**
Cascade County	78
Greeley, CO MSA	**135**
Weld County	135
Green Bay, WI MSA	**188**
Brown County	188
Greensboro-Winston-Salem-High Point, NC MSA	**916**
Davidson County	123
Davie County	27
Forsyth County	265
Guilford County	334
Randolph County	100
Stokes County	36
Yadkin County	30
Greenville-Spartanburg, SC MSA	**612**
Greenville County	309
Pickens County	88
Spartanburg County	214
Hagerstown, MD MSA	**116**
Washington County	116
Hamilton-Middletown, OH PMSA	**276**
Butler County	276
Harrisburg-Lebanon-Carlisle, PA MSA	**584**
Cumberland County	192
Dauphin County	239
Lebanon County	113
Perry County	40
Hartford, CT PMSA	**748**
Hartford County (pt.)	621
Litchfield County (pt.)	8
Middlesex County (pt.)	7
New London County (pt.)	9
Tolland County (pt.)	102
Hartford-New Britain-Middletown, CT CMSA	**1,057**
Bristol, CT PMSA	78
Hartford, CT PMSA	748
Middletown, CT PMSA	85
New Britain, CT PMSA	147
Hickory, NC MSA	**219**
Alexander County	27
Burke County	76
Catawba County	116
Honolulu, HI MSA	**831**
Honolulu County	831
Houma-Thibodaux, LA MSA	**185**
Lafourche Parish	86
Terrebonne Parish	99
Houston, TX PMSA	**3,228**
Fort Bend County	188
Harris County	2,794
Liberty County	54
Montgomery County	169
Waller County	23
Houston-Galveston-Brazoria, TX CMSA	**3,626**
Brazoria, TX PMSA	187
Galveston-Texas City, TX PMSA	211
Houston, TX PMSA	3,228
Huntington-Ashland, WV-KY-OH MSA	**323**
Cabell County, WV	102
Wayne County, WV	44
Boyd County, KY	53
Carter County, KY	25
Greenup County, KY	37
Lawrence County, OH	62
Huntsville, AL MSA	**231**
Madison County	231
Indianapolis, IN MSA	**1,229**
Boone County	39
Hamilton County	98
Hancock County	45
Hendricks County	76
Johnson County	86
Marion County	790
Morgan County	54
Shelby County	40
Iowa City, IA MSA	**86**
Johnson County	86
Jackson, MI MSA	**147**
Jackson County	147
Jackson, MS MSA	**396**
Hinds County	258
Madison County	53
Rankin County	85
Jackson, TN MSA	**78**
Madison County	78
Jacksonville, FL MSA	**878**
Clay County	97
Duval County	662
Nassau County	44
St. Johns County	75
Jacksonville, NC MSA	**126**
Onslow County	126
Janesville-Beloit, WI MSA	**135**
Rock County	135
Jersey City, NJ PMSA	**547**
Hudson County	547
Johnson City-Kingsport-Bristol, TN-VA MSA	**443**
Carter County, TN	51
Hawkins County, TN	45
Sullivan County, TN	147
Unicoi County, TN	17

[See headnote, p. 893]

	1987 Population (1,000)
Washington County, TN	92
Scott County, VA	25
Washington County, VA	47
Bristol city, VA	18
Johnstown, PA MSA	**252**
Cambria County	171
Somerset County	81
Joliet, IL PMSA	**377**
Grundy County	32
Will County	345
Joplin, MO MSA	**134**
Jasper County	90
Newton County	44
Kalamazoo, MI MSA	**219**
Kalamazoo County	219
Kankakee, IL MSA	**98**
Kankakee County	98
Kansas City, MO-KS MSA	**1,546**
Cass County, MO	59
Clay County, MO	149
Jackson County, MO	638
Lafayette County, MO	31
Platte County, MO	53
Ray County, MO	22
Johnson County, KS	333
Leavenworth County, KS	65
Miami County, KS	23
Wyandotte County, KS	174
Kenosha, WI PMSA	**120**
Kenosha County	120
Killeen-Temple, TX MSA	**234**
Bell County	176
Coryell County	58
Knoxville, TN MSA	**594**
Anderson County	70
Blount County	84
Grainger County	17
Jefferson County	34
Knox County	329
Sevier County	48
Union County	12
Kokomo, IN MSA	**101**
Howard County	84
Tipton County	16
La Crosse, WI MSA	**95**
La Crosse County	95
Lafayette, IN MSA	**125**
Tippecanoe County	125
Lafayette, LA MSA	**212**
Lafayette Parish	167
St. Martin Parish	46
Lake Charles, LA MSA	**172**
Calcasieu Parish	172
Lake County, IL PMSA	**494**
Lake County	494
Lakeland-Winter Haven, FL MSA	**387**
Polk County	387
Lancaster, PA MSA	**404**
Lancaster County	404
Lansing-East Lansing, MI MSA	**428**
Clinton County	56
Eaton County	92
Ingham County	280
Laredo, TX MSA	**124**
Webb County	124
Las Cruces, NM MSA	**129**
Dona Ana County	129
Las Vegas, NV MSA	**600**
Clark County	600
Lawrence, KS MSA	**75**
Douglas County	75
Lawrence-Haverhill, MA-NH PMSA	**375**
Essex County MA (pt.)	273
Rockingham County, NH (pt.)	102
Lawton, OK MSA	**119**
Comanche County	119
Lewiston-Auburn, ME MSA	**85**
Androscoggin County (pt.)	85
Lexington-Fayette, KY MSA	**342**
Bourbon County	19
Clark County	29
Fayette County	221
Jessamine County	30
Scott County	22
Woodford County	19
Lima, OH MSA	**156**
Allen County	112
Auglaize County	44
Lincoln, NE MSA	**208**
Lancaster County	208
Little Rock-North Little Rock, AR MSA	**512**
Faulkner County	55
Lonoke County	39
Pulaski County	358
Saline County	60
Longview-Marshall, TX MSA	**167**
Gregg County	109
Harrison County	58
Lorain-Elyria, OH PMSA	**268**
Lorain County	268
Los Angeles-Anaheim-Riverside, CA CMSA	13,471
Anaheim-Santa Ana, CA PMSA	2,219
Los Angeles-Long Beach, CA PMSA	8,505
Oxnard-Ventura, CA PMSA	628
Riverside-San Bernardino, CA PMSA	2,119
Los Angeles-Long Beach, CA PMSA	**8,505**
Los Angeles County	8,505
Louisville, KY-IN MSA	**967**
Bullitt County, KY	47
Jefferson County, KY	679
Oldham County, KY	34
Shelby County, KY	24
Clark County, IN	90
Floyd County, IN	64
Harrison County, IN	29
Lowell, MA-NH PMSA	**260**
Middlesex County, MA (pt.)	251
Hillsborough County, NH (pt.)	9
Lubbock, TX MSA	**226**
Lubbock County	226
Lynchburg, VA MSA	**143**
Amherst County	29
Campbell County	47
Lynchburg city	67
Macon-Warner Robins, GA MSA	**283**
Bibb County	156
Houston County	87
Jones County	19
Peach County	20
Madison, WI MSA	**347**
Dane County	347
Manchester, NH MSA	**146**
Hillsborough County (pt.)	124
Merrimack County (pt.)	14
Rockingham County (pt.)	8
Mansfield, OH MSA	**128**
Richland County	128
McAllen-Edinburg-Mission, TX MSA	**379**
Hidalgo County	379
Medford, OR MSA	**143**
Jackson County	143
Melbourne-Titusville-Palm Bay, FL MSA	**375**
Brevard County	375
Memphis, TN-AR-MS MSA	**972**
Shelby County, TN	819
Tipton County, TN	37
Crittenden County, AR	51
De Soto County MS	65
Merced, CA MSA	**166**
Merced County	166
Miami-Fort Lauderdale, FL CMSA	**2,954**
Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	1,163
Miami-Hialeah, FL PMSA	1,791
Miami-Hialeah, FL PMSA	**1,791**
Dade County	1,791
Middlesex-Somerset-Hunterdon, NJ PMSA	**958**
Hunterdon County	90
Middlesex County	646
Somerset County	222
Middletown, CT PMSA	**85**
Middlesex County (pt.)	85
Midland, TX MSA	**106**
Midland County	106
Milwaukee, WI PMSA	**1,380**
Milwaukee County	932
Ozaukee County	71
Washington County	81
Waukesha County	296
Milwaukee-Racine, WI CMSA	**1,553**
Milwaukee, WI PMSA	1,380
Racine, WI PMSA	173
Minneapolis-St. Paul, MN-WI MSA	**2,336**
Anoka County, MN	229
Carver County, MN	43
Chisago County, MN	29
Dakota County, MN	240
Hennepin County, MN	986
Isanti County, MN	25
Ramsey County, MN	475
Scott County, MN	53
Washington County, MN	133
Wright County, MN	66
St. Croix County, WI	46

[See headnote, p. 893]

	1987 Population (1,000)
Mobile, AL MSA	**483**
Baldwin County	95
Mobile County	388
Modesto, CA MSA	**327**
Stanislaus County	327
Monmouth-Ocean, NJ PMSA	**957**
Monmouth County	554
Ocean County	403
Monroe, LA MSA	**146**
Ouachita Parish	146
Montgomery, AL MSA	**297**
Autauga County	35
Elmore County	49
Montgomery County	213
Muncie, IN MSA	**121**
Delaware County	121
Muskegon, MI MSA	**159**
Muskegon County	159
Naples, FL MSA	**128**
Collier County	128
Nashua, NH PMSA	**172**
Hillsborough County (pt.)	155
Rockingham County (pt.)	17
Nashville, TN MSA	**956**
Cheatham County	26
Davidson County	506
Dickson County	34
Robertson County	42
Rutherford County	107
Sumner County	100
Williamson County	76
Wilson County	66
Nassau-Suffolk, NY PMSA	**2,631**
Nassau County	1,316
Suffolk County	1,315
New Bedford, MA MSA	**166**
Bristol County (pt.)	152
Plymouth County (pt.)	14
New Britain, CT PMSA	**147**
Hartford County (pt.)	147
New Haven-Meriden, CT MSA	**519**
Middlesex County (pt.)	18
New Haven County (pt.)	501
New London-Norwich, CT-RI MSA	**259**
New London County, CT (pt.)	228
Windham County, CT (pt.)	4
Washington County, RI (pt.)	26
New Orleans, LA	**1,321**
Jefferson Parish	474
Orleans Parish	543
St. Bernard Parish	68
St. Charles Parish	44
St. John The Baptist Parish	42
St. Tammany Parish	150
New York, NY PMSA	**8,529**
Bronx County	1,214
Kings County	2,310
New York County	1,495
Putnam County	82
Queens County	1,921
Richmond County	378
Rockland County	265
Westchester County	865
New York-Northern New Jersey-Long Island, NY–NJ–CT CMSA	**18,054**
Bergen-Passaic, NJ PMSA	1,294
Bridgeport-Milford, CT PMSA	444
Danbury, CT PMSA	189
Jersey City, NJ PMSA	547
Middlesex-Somerset-Hunterdon, NJ PMSA	966
Monmouth-Ocean, NJ PMSA	957
Nassau-Suffolk, NY PMSA	2,631
New York, NY PMSA	8,529
Newark, NJ PMSA	1,891
Norwalk, CT PMSA	126
Orange County, NY PMSA	288
Stamford, CT PMSA	193
Newark, NJ PMSA	**1,891**
Essex County	845
Morris County	419
Sussex County	124
Union County	502
Niagara Falls, NY PMSA	**216**
Niagara County	216
Norfolk-Virginia Beach-Newport News, VA MSA	**1,346**
Gloucester County	29
James City County	27
York County	41
Chesapeake city	141
Hampton city	128
Newport News city	163
Norfolk city	281
Poquoson city	11
Portsmouth city	110
Suffolk city	52
Virginia Beach city	350
Williamsburg city	12
Norwalk, CT PMSA	**126**
Fairfield County (pt.)	126
Oakland, CA PMSA	**1,968**
Alameda County	1,223
Contra Costa County	745
Ocala, FL MSA	**181**
Marion County	181
Odessa, TX MSA	**127**
Ector County	127
Oklahoma City, OK MSA	**975**
Canadian County	74
Cleveland County	163
Logan County	30
McClain County	25
Oklahoma County	623
Pottawatomie County	61
Olympia, WA MSA	**151**
Thurston County	151
Omaha, NE–IA MSA	**616**
Douglas County, NE	416
Sarpy County, NE	97
Washington County, NE	16
Pottawattamie County, IA	88
Orange County, NY PMSA	**288**
Orange County	288
Orlando, FL MSA	**935**
Orange County	596
Osceola County	87
Seminole County	251
Owensboro, KY MSA	**88**
Daviess County	88
Oxnard-Ventura, CA PMSA	**628**
Ventura County	628
Panama City, FL MSA	**122**
Bay County	122
Parkersburg-Marietta, WV–OH MSA	**156**
Wood County, WV	92
Washington County, OH	64
Pascagoula, MS MSA	**128**
Jackson County	128
Pawtucket-Woonsocket-Attleboro, RI–MA PMSA	**322**
Providence County, RI (pt.)	227
Bristol County, MA (pt.)	80
Norfolk County, MA (pt.)	6
Worcester County, MA (pt.)	9
Pensacola, FL MSA	**344**
Escambia County	275
Santa Rosa County	69
Peoria, IL MSA	**339**
Peoria County	182
Tazewell County	124
Woodford County	33
Philadelphia, PA–NJ PMSA	**4,866**
Bucks County, PA	532
Chester County, PA	347
Delaware County, PA	566
Montgomery County, PA	680
Philadelphia County, PA	1,645
Burlington County, NJ	388
Camden County, NJ	496
Gloucester County, NJ	213
Philadelphia-Wilmington-Trenton, PA–NJ–DE–MD CMSA	**5,891**
Philadelphia, PA–NJ PMSA	4,866
Trenton, NJ PMSA	327
Vineland-Millville-Bridgeton, NJ PMSA	138
Wilmington, DE–NJ–MD PMSA	559
Phoenix, AZ MSA	**1,960**
Maricopa County	1,960
Pine Bluff, AR MSA	**91**
Jefferson County	91
Pittsburgh, PA PMSA	**2,105**
Allegheny County	1,362
Fayette County	153
Washington County	211
Westmoreland County	379
Pittsburgh-Beaver Valley, PA CMSA	**2,296**
Beaver County, PA PMSA	191
Pittsburgh, PA PMSA	2,105
Pittsfield, MA MSA	**80**
Berkshire County (pt.)	80
Portland, ME MSA	**210**
Cumberland County (pt.)	192
York County (pt.)	18
Portland, OR PMSA	**1,168**
Clackamas County	264
Multnomah County	564
Washington County	281
Yamhill County	59
Portland-Vancouver, OR–WA CMSA	**1,383**
Portland, OR PMSA	1,168
Vancouver, WA PMSA	216

[See headnote, p. 893]

	1987 Population (1,000)
Portsmouth-Dover-Rochester, NH-ME MSA	**215**
Rockingham County, NH (pt.)	73
Strafford County, NH (pt.)	93
York County, ME (pt.)	50
Poughkeepsie, NY MSA	**258**
Dutchess County	258
Providence, RI PMSA	**643**
Bristol County	48
Kent County (pt.)	157
Newport County (pt.)	5
Providence County (pt.)	364
Washington County (pt.)	69
Providence-Pawtucket-Fall River, RI-MA CMSA	**1,118**
Fall River, MA-RI PMSA	153
Pawtucket-Woonsocket-Attleboro, RI-MA PMSA	322
Providence, RI PMSA	643
Provo-Orem, UT MSA	**242**
Utah County	242
Pueblo, CO MSA	**127**
Pueblo County	127
Racine, WI PMSA	**173**
Racine County	173
Raleigh-Durham, NC MSA	**665**
Durham County	169
Franklin County	35
Orange County	86
Wake County	375
Rapid City, SD MSA	**80**
Pennington County	80
Reading, PA MSA	**324**
Berks County	324
Redding, CA MSA	**136**
Shasta County	136
Reno, NV MSA	**232**
Washoe County	232
Richland-Kennewick-Pasco, WA MSA	**150**
Benton County	113
Franklin County	36
Richmond-Petersburg, VA MSA	**825**
Charles City County	6
Chesterfield County	179
Dinwiddie County	21
Goochland County	13
Hanover County	56
Henrico County	200
New Kent County	11
Powhatan County	14
Prince George County	26
Colonial Heights city	17
Hopewell city	24
Petersburg city	41
Richmond city	217
Riverside-San Bernardino, CA PMSA	**2,119**
Riverside County	915
San Bernardino County	1,204
Roanoke, VA MSA	**224**
Botetourt County	25
Roanoke County	75
Roanoke city	100
Salem city	24
Rochester, MN MSA	**98**
Olmsted County	98
Rochester, NY MSA	**979**
Livingston County	59
Monroe County	699
Ontario County	93
Orleans County	39
Wayne County	88
Rockford, IL MSA	**281**
Boone County	29
Winnebago County	252
Sacramento, CA MSA	**1,336**
El Dorado County	114
Placer County	149
Sacramento County	945
Yolo County	129
Saginaw-Bay City-Midland, MI MSA	**404**
Bay County	115
Midland County	73
Saginaw County	216
St. Cloud, MN MSA	**177**
Benton County	28
Sherburne County	35
Stearns County	115
St. Joseph, MO MSA	**85**
Buchanan County	85
St. Louis, MO-IL MSA	**2,458**
Franklin County, MO	80
Jefferson County, MO	167
St. Charles County, MO	193
St. Louis County, MO	998
St. Louis city, MO	422
Clinton County, IL	34
Jersey County, IL	20
Madison County, IL	252
Monroe County, IL	22
St. Clair County, IL	271
Salem, OR MSA	**266**
Marion County	218
Polk County	48
Salem-Gloucester, MA PMSA	**258**
Essex County (pt.)	258
Salinas-Seaside-Monterey, CA MSA	**343**
Monterey County	343
Salt Lake City-Ogden, UT MSA	**1,055**
Davis County	180
Salt Lake County	714
Weber County	160
San Angelo, TX MSA	**99**
Tom Green County	99
San Antonio, TX MSA	**1,307**
Bexar County	1,197
Comal County	51
Guadalupe County	59
San Diego, CA MSA	**2,286**
San Diego County	2,286
San Francisco, CA PMSA	**1,590**
Marin County	228
San Francisco County	740
San Mateo County	622
San Francisco-Oakland-San Jose, CA CMSA	**5,953**
Oakland, CA PMSA	1,968
San Francisco, CA PMSA	1,590
San Jose, CA PMSA	1,415
Santa Cruz, CA PMSA	222
Santa Rosa-Petaluma, CA PMSA	354
Vallejo-Fairfield-Napa, CA PMSA	404
San Jose, CA PMSA	**1,415**
Santa Clara County	1,415
Santa Barbara-Santa Maria-Lompoc, CA MSA	**341**
Santa Barbara County	341
Santa Cruz, CA PMSA	**222**
Santa Cruz County	222
Santa Fe, NM MSA	**111**
Los Alamos County	19
Santa Fe County	92
Santa Rosa-Petaluma, CA PMSA	**354**
Sonoma County	354
Sarasota, FL MSA	**256**
Sarasota County	256
Savannah, GA MSA	**241**
Chatham County	218
Effingham County	23
Scranton-Wilkes-Barre, PA MSA	**731**
Columbia County	61
Lackawanna County	223
Luzerne County	332
Monroe County	88
Wyoming County	28
Seattle, WA PMSA	**1,796**
King County	1,391
Snohomish County	405
Seattle-Tacoma, WA CMSA	**2,341**
Seattle, WA PMSA	1,796
Tacoma, WA PMSA	545
Sharon, PA MSA	**123**
Mercer County	123
Sheboygan, WI MSA	**102**
Sheboygan County	102
Sherman-Denison, TX MSA	**100**
Grayson County	100
Shreveport, LA MSA	**364**
Bossier Parish	92
Caddo Parish	272
Sioux City, IA-NE MSA	**115**
Woodbury County, IA	98
Dakota County, NE	17
Sioux Falls, SD MSA	**124**
Minnehaha County	124
South Bend-Mishawaka, IN MSA	**242**
St. Joseph County	242
Spokane, WA MSA	**355**
Spokane County	355
Springfield, IL MSA	**191**
Menard County	12
Sangamon County	179
Springfield, MA MSA	**517**
Hampden County (pt.)	435
Hampshire County (pt.)	82
Springfield, MO MSA	**229**
Christian County	29
Greene County	200
Stamford, CT PMSA	**193**
Fairfield County (pt.)	193

[See headnote, p. 893]

	1987 Population (1,000)
State College, PA MSA	**115**
Centre County	115
Steubenville-Weirton, OH-WV MSA	**149**
Jefferson County, OH	83
Brooke County, WV	29
Hancock County, WV	38
Stockton, CA MSA	**443**
San Joaquin County	443
Syracuse, NY MSA	**647**
Madison County	67
Onondaga County	460
Oswego County	120
Tacoma, WA PMSA	**545**
Pierce County	545
Tallahassee, FL MSA	**223**
Gadsden County	45
Leon County	177
Tampa-St. Petersburg-Clearwater, FL MSA	**1,965**
Hernando County	87
Hillsborough County	798
Pasco County	257
Pinellas County	823
Terre Haute, IN MSA	**132**
Clay County	25
Vigo County	108
Texarkana, TX-Texarkana, AR MSA	**120**
Bowie County, TX	81
Miller County, AR	39
Toledo, OH MSA	**611**
Fulton County	38
Lucas County	463
Wood County	110
Topeka, KS MSA	**162**
Shawnee County	162
Trenton, NJ PMSA	**327**
Mercer County	327
Tucson, AZ MSA	**619**
Pima County	619
Tulsa, OK MSA	**733**
Creek County	67
Osage County	40
Rogers County	56
Tulsa County	518
Wagoner County	51
Tuscaloosa, AL MSA	**144**
Tuscaloosa County	144
Tyler, TX MSA	**153**
Smith County	153
Utica-Rome, NY MSA	**314**
Herkimer County	67
Oneida County	247
Vallejo-Fairfield-Napa, CA PMSA	**404**
Napa County	105
Solano County	299
Vancouver, WA PMSA	**216**
Clark County	216
Victoria, TX MSA	**75**
Victoria County	75
Vineland-Millville-Bridgeton, NJ PMSA	**138**
Cumberland County	138
Visalia-Tulare-Porterville, CA MSA	**292**
Tulare County	292
Waco, TX MSA	**189**
McLennan County	189
Washington, DC-MD-VA MSA	**3,646**
Washington, DC	622
Calvert County, MD	47
Charles County, MD	94
Frederick County, MD	137
Montgomery County, MD	686
Prince Georges County, MD	686
Arlington County, VA	159
Fairfax County, VA	739
Loudoun County, VA	72
Prince William County, VA	185
Stafford County, VA	53
Alexandria city, VA	108
Fairfax city, VA	20
Falls Church city, VA	10
Manassas city, VA	21
Manassas Park city, VA	7
Waterbury, CT MSA	**213**
Litchfield County (pt.)	37
New Haven County (pt.)	177
Waterloo-Cedar Falls, IA MSA	**149**
Black Hawk County	126
Bremer County	24
Wausau, WI MSA	**111**
Marathon County	111
West Palm Beach-Boca Raton-Delray Beach, FL MSA	**790**
Palm Beach County	790
Wheeling, WV-OH MSA	**173**
Marshall County, WV	39
Ohio County, WV	57
Belmont County, OH	77
Wichita, KS MSA	**475**
Butler County	49
Harvey County	31
Sedgwick County	395
Wichita Falls, TX MSA	**126**
Wichita County	126
Williamsport, PA MSA	**117**
Lycoming County	117
Wilmington, DE-NJ-MD PMSA	**559**
New Castle County, DE	425
Salem County, NJ	65
Cecil County, MD	69
Wilmington, NC MSA	**116**
New Hanover County	116
Worcester, MA MSA	**410**
Worcester County (pt.)	410
Yakima, WA MSA	**183**
Yakima County	183
York, PA MSA	**404**
Adams County	72
York County	331
Youngstown-Warren, OH MSA	**503**
Mahoning County	273
Trumbull County	230
Yuba City, CA MSA	**116**
Sutter County	60
Yuba County	56

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-26, No. 87-A; press release (CB88-157); and unpublished data.

Appendix **III**

Statistical Methodology and Reliability

Introduction.—The data presented in this *Statistical Abstract* came from many sources. The sources include not only Federal statistical bureaus and other organizations that collect and issue statistics as their principal activity, but also governmental administrative and regulatory agencies, private research bodies, trade associations, insurance companies, health associations, and private organizations such as the American Red Cross and philanthropic foundations. Consequently, the data vary considerably as to reference periods, definitions of terms and, for ongoing series, the number and frequency of time periods for which data are available.

The statistics presented were obtained and tabulated by various means. Some statistics are based on complete enumerations or censuses while others are based on samples. Some information is extracted from records kept for administrative or regulatory purposes (school enrollment, hospital records, securities registration, financial accounts, social security records, income tax returns, etc.), while other information is obtained explicitly for statistical purposes through interviews or by mail. The estimation procedures used vary from highly sophisticated scientific techniques, to crude "informed guesses."

Each set of data relates to a group of individuals or units of interest referred to as the *target universe* or *target population*, or simply as the *universe* or *population*. Prior to data collection the target universe should be clearly defined. For example, if data are to be collected for the universe of households in the United States, it is necessary to define a "household." The target universe may not be completely tractable. Cost and other considerations may restrict data collection to a *survey universe* of households on some available list, such list being inaccurate, out of date, defining "household" slightly differently, etc. This list is called a *survey frame* or *sampling frame*.

The data in many tables are based on data obtained for all population units, *a census*, or on data obtained for only a portion, or *sample*, of the population units. When the data presented are based on a sample, the sample is usually a scientifically selected *probability sample*. This is a sample selected from a list or sampling frame in such a way that every possible sample has a known chance of selection and usually each unit selected can be assigned a number, between zero and one, representing its likelihood or probability of selection.

For large-scale sample surveys, the probability sample of units is often selected as a multistage sample. The first stage of a multistage sample is the selection of a probability sample of large groups of population members, referred to as primary sampling units (PSU's). For example, in a national multistage household sample, PSU's are often counties or groups of counties. The second stage of a multistage sample is the selection, within each PSU selected at the first stage, of smaller groups of population units, referred to as secondary sampling units. In subsequent stages of selection, smaller and smaller nested groups are chosen until the ultimate sample of population units is obtained. To qualify a multistage sample as a probability sample, all stages of sampling must be carried out using probability sampling methods.

Prior to selection at each stage of a multistage (or a single- stage) sample, a list of the sampling units or sampling frame for that stage must be obtained. For example, for the first stage of selection of a national household sample, a list of the counties and county groups that form the PSU's must be obtained. For the final stage of selection, lists of households, and sometimes persons within the households, have to be compiled in the field. If a single-stage sample of the Nation's hospitals is to be selected, a list of hospitals must be obtained to use as the sampling frame. Unfortunately, it is virtually impossible to obtain a complete, up-to-date frame for a hospital survey. This is a problem incurred for most surveys of institutions and for many other types of surveys as well.

Wherever the quantities in a table refer to an entire universe, but are constructed from data collected in a sample survey, the table quantities are referred to as *sample estimates*. In constructing a sample estimate, an attempt is made to come as close as is feasible to the corresponding universe quantity that would be obtained from a complete census of the universe. Estimates based on a sample will, however, generally differ from the hypothetical census figures. Two classifications of errors are associated with estimates based on sample surveys: (1) *sampling error*—the error arising from the use of a sample, rather than a census, to estimate population quantities and (2) *nonsampling error*—those errors arising from nonsampling sources. As discussed below, the magnitude of the sampling error for an estimate can usually be estimated from the sample data. However, the magnitude of the nonsampling error for an estimate can rarely be estimated. Consequently, actual error in an estimate exceeds the estimated error in the estimate.

The particular sample used in a survey is only one of a large number of possible samples of the same size which could have been selected using the same sampling procedure. Estimates derived from the different samples would, in general, differ from each other. The *standard error* (SE) is a measure of the variation among the estimates derived from all possible samples. The standard error is the most commonly used measure of the sampling error of an estimate. Valid estimates of the standard errors of survey estimates can usually be calculated from the data collected in a probability sample. For convenience, the standard error is sometimes expressed as a percent of the estimate and is called the relative standard error or *coefficient of variation* (CV). For example, an estimate of 200 units with an estimated standard error of 10 units has an estimated CV of 5 percent.

A sample estimate and an estimate of its standard error or CV can be used to construct interval estimates that have a prescribed confidence that the interval includes the average of the estimates derived from all possible samples with a known probability. To illustrate, if all possible samples were selected under essentially the same general conditions, and using the same sample design, and if an estimate and its estimated standard error were calculated from each sample, then:

1. Approximately 68% of the intervals from one standard error below the estimate to one standard error above the estimate would include the average estimate derived from all possible samples.
2. Approximately 90% of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average estimate derived from all possible samples.
3. Approximately 95% of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average estimate derived from all possible samples.

Thus, for a particular sample, one can say with the appropriate level of confidence (e.g., 90% or 95%) that the average of all possible samples is included in the constructed interval. Example of a confidence interval: An estimate is 200 units with a standard error of 10 units. An approximately 90 % confidence interval (plus or minus 1.6 standard errors) is from 184 to 216.

All surveys and censuses are subject to nonsampling errors. Nonsampling errors are two kinds—*random* and *nonrandom*. Random nonsampling errors arise because of the varying interpretation of questions (by respondents or interviewers) and varying actions of coders, keyers, and other processors. Some randomness is also introduced when respondents must estimate values. These same errors usually have a nonrandom component. Nonrandom nonsampling errors result from total nonresponse (no usable data obtained for a sampled unit), partial or item nonresponse (only a portion of a response may be usable), inability or unwillingness on the part of respondents to provide correct information, difficulty interpreting questions, mistakes in recording or keying data, errors of collection or processing, and coverage problems (overcoverage and undercoverage of the target universe). Random nonresponse errors usually, but not always, result in an understatement of sampling errors and thus an overstatement of the precision of survey estimates. Estimating the magnitude of nonsampling errors would require special experiments or access to independent data and, consequently, the magnitudes are seldom available.

Nearly all types of nonsampling errors that affect surveys also occur in complete censuses. Since surveys can be conducted on a smaller scale than censuses, nonsampling errors can presumably be controlled more tightly. Relatively more funds and effort can perhaps be expended toward eliciting responses, detecting and correcting response error, and reducing processing errors. As a result, survey results can sometimes be more accurate than census results.

To compensate for suspected nonrandom errors, adjustments of the sample estimates are often made. For example, adjustments are frequently made for nonresponse, both total and partial. Adjustments made for either type of nonresponse are often referred to as *imputations*. Imputation for total nonresponse is usually made by substituting for the questionnaire responses of the nonrespondents the "average" questionnaire responses of the respondents. These imputations are usually made separately within various groups of sample members, formed by attempting to place respondents and nonrespondents together that have "similar" survey characteristics. Imputation for item nonresponse is usually made by substituting for a missing item the response to that item of a respondent having characteristics that are "similar" to those of the nonrespondent.

For an estimate calculated from a sample survey, the *total error* in the estimate is composed of the sampling error, which can usually be estimated from the sample, and the nonsampling error, which usually cannot be estimated from the sample. The total error present in a population quantity obtained from a complete census is composed of only nonsampling errors. Ideally, estimates of the total error associated with data given in the *Statistical Abstract* tables should be given. However, due to the unavailability of estimates of nonsampling errors, only estimates of the levels of sampling errors, in terms of estimated standard errors or coefficients of variation, are available. To obtain estimates of the estimated standard errors from the sample of interest, obtain a copy of the referenced report which appears at the end of each table.

Principal data bases.—Beginning below are brief descriptions of 34 of the sample surveys and censuses that provide a substantial portion of the data contained in this *Abstract*.

SECTION 1. POPULATION

Source and Title: Bureau of the Census, *Census of Population*

Tables: See tables citing *Census of Population* in section 1 and also in sections 2, 4, 6, 8, 13, 14, 26, and 30.

Universe, Frequency, and Types of Data: Complete count of U.S. population conducted every 10 years since 1790. Data obtained on number and characteristics of inhabitants.

Type of Data Collection Operation: In 1970 and 1980, complete census for some items—age, sex, race, marital status and relationship to household head. In 1970, other items collected from a 5% and a 15% probability (systematic) sample of the population. In 1980, approximately 19% of the housing units were included in the sample.

Data Collection and Imputation Procedures: In 1970, extensive use of mail questionnaires in urban areas; personal interviews in most rural areas. In 1980, mail questionnaires were used in even more areas than in 1970, with personal interviews in the remainder. Extensive telephone and personal followup for nonrespondents was done in both censuses. Imputations were made for missing characteristics.

Estimates of Sampling Error: Sampling errors for data are estimated for all items collected by sample and vary by characteristic and geographic area. The CV's for national and State estimates are generally very small.

Other (nonsampling) Errors: Since 1950, evaluation programs have been conducted to provide information on the magnitude of some sources of nonsampling errors such as response bias and undercoverage in each census. Results from the evaluation program for the 1980 census indicate that coverage improved substantially over previous censuses; demographic analysis estimated the net undercount at between 1.0 and 2.2 percent in 1980.

Sources of Additional Material: U.S. Bureau of the Census, *The Coverage of Population in the 1980 Census*, PHC80-E4; *Content Reinterview Study: Accuracy of Data for Selected Population and Housing Characteristics as Measured by Reinterview*, PHC80-E2; *1980 Census of Population*, vol. 1, (PC80-1), Appendixes B, C, and D.

Source and Title: U.S. Bureau of the Census, *Current Population Survey (CPS)*

Tables: See tables citing *Current Population Reports* primarily in section 1, but also in sections 2, 3, 4, 8, 12, 13, 14, 23, and 30. Many Bureau of Labor Statistics' (BLS) tables in section 13 are CPS based.

Universe, Frequency, and Types of Data: Nationwide monthly sample survey of civilian noninstitutional population, 14 years old or over, to obtain data on employment, unemployment, and a number of other characteristics.

Type of Data Collection Operation: Multistage probability sample of about 55,800 households in 729 PSU's in 1988. Over-sampling in some States and the largest MSA's to improve reliability for those areas of employment data on annual average basis. A continual sample rotation system is used. Households are in sample 4 months, out for 8 months, and in for 4 more. Month-to-month overlap is 75%; year-to-year overlap is 50%.

Data Collection and Imputation Procedures: For first and fifth months that a household is in sample, personal interviews; other months, approximately, 85% of the data collected by phone. Imputation is done for both item and total nonresponse. Adjustment for total nonresponse is done by a predefined cluster of units, by MSA size and residence; for item nonresponse imputation varies by subject matter.

Estimates of Sampling Error: Estimated CV's on national annual averages for labor force, total employment, and nonagricultural employment, 2%; for total unemployment and agricultural employment, 1.0% to 2.5%. The estimated CV's for family income and poverty rate for all persons in 1986 are .5% and 1.5%, respectively. CV's for subnational areas, such as States, would be larger and would vary by area.

Other (nonsampling) Errors: Estimates of response bias on unemployment are not available, but estimates of unemployment are usually 5% to 9% lower than estimates from reinterviews. Four to 5.0% of sample households unavailable for interviews.

Sources of Additional Material: U.S. Bureau of the Census and Bureau of Labor Statistics, *Concepts and Methods Used in Labor Force Statistics from Current Population Survey* (Census series P-23, No. 62; BLS Report No. 463) and Bureau of the Census, *Current Population Survey* (Tech. Paper 40) and Bureau of Labor Statistics, *BLS Handbook of Methods*, Chapter 1 (Bulletin 2285.)

(See section 3 below for information pertaining to the Supplement on Aging to the National Health Interview Survey.)

SECTION 2. VITAL STATISTICS

Source and Title: U.S. National Center for Health Statistics (NCHS), *Vital Registration System*

Tables: See tables citing *Vital Statistics of the United States*, 282 in section 5; 1019 in section 21; and 1385 in section 30.

Universe, Frequency, and Types of Data: Annual data on births and deaths in the United States.

Type of Data Collection Operation: Mortality data based on complete file of death records, except 1972, based on 50% sample. Natality statistics 1951-1971, based on 50% sample of birth certificates, except a 20% to 50% in 1967, received by NCHS. Beginning 1972, data from some States received through Vital Statistics Cooperative Program and complete file used; data from other States based on 50% sample.

Data Collection and Imputation Procedures: Reports based on records from registration offices of all States, District of Columbia, New York City, Puerto Rico, Virgin Islands, and Guam.

Estimates of Sampling Error: For recent years, CV's for births are small due to large portion of total file in sample (except for very small estimated totals).

Other (nonsampling) Errors: Data on births and deaths believed to be at least 99% complete.

Sources of Additional Material: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, vol. I and vol. II, annual, and *Monthly Vital Statistics Report.*

SECTION 3. HEALTH AND NUTRITION

Source and Title: U.S. National Center for Health Statistics, *National Health Interview Survey (NHIS)*

Tables: 153, 175, 176, 182-187, 189, 190, 192, and in section 1, tables 42 and 43, section 4, table 217, and section 12, table 608.

Universe, Frequency, and Types of Data: Continuous data collection covering the civilian noninstitutional population to obtain information on personal and demographic characteristics, illnesses, injuries, impairments, and other health topics. In 1984, the Supplement on Aging (SOA) was added to the NHIS to collect data on the functional status of persons 55 years old and over living in the community. It included questions on characteristics which might affect their ability to live in the community.

Type of Data Collection Operation: Multistage probability sample of 42,000 households (in 376 PSU's) selected in groups of about four adjacent households.

Data Collection and Imputation Procedures: Personal household interviews with extensive followup of nonrespondents. Data are adjusted for nonresponse by imputation procedure based on "average" characteristics of persons in interviewed households in the same geographic area.

Estimates of Sampling Error: Estimated CV's: For physician visits by males, 1.5%; for workdays lost by males, 3.5%; for persons injured at home, 4.7%.

Other (nonsampling) Errors: Response rate was 95.7% in 1985 for the NHIS. For the SOA, response rate was 95% (89% responded entirely for themselves).

Sources of Additional Material: U.S. National Center for Health Statistics, "Current Estimates from the National Health Interview Survey, U.S., 1983," Vital and Health Statistics, series 10 and the "Supplement on Aging to the 1984 National Health Interview Survey," Vital and Health Statistics, series 1, No. 21, July 1987.

(See section 1 above for information pertaining to tables 93-96, and section 15 pertaining to table 144.)

SECTION 4. EDUCATION

Source and Title: U.S. Department of Education, National Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Fall Enrollment in Institutions of Higher Education;* beginning 1986, *Integrated Postsecondary Data Survey (IPEDS), Fall Enrollment*

Tables: 210, 247-250; and 269.

Universe, Frequency, and Types of Data: Annual survey of all institutions and branches listed in the *Directory* to obtain data on total enrollment by sex, level of enrollment, type of program, racial/ethnic characteristics (in alternate years) and attendance status of student, and on first-time students.

Type of Data Collection Operation: Complete census.

Data Collection and Imputation Procedures: Survey package is usually mailed in the spring wi surveys due at varying dates in the summer and fall; mail and phone followup procedures fo nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trend observed in earlier surveys, or data of similar institutions.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Approximately 93% response rate.
Sources of Additional Material: U.S. Department of Education, National Center for Education Statistics, *Fall Enrollment in Higher Education*, annual.

Source and Title: U.S. Department of Education, National Center for Education Statistics, *Highe Education General Information Survey (HEGIS), Financial Statistics of Institutions of Higher Education*
Tables: 200, 201, 247, and 257.
Universe, Frequency, and Types of Data: Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on financial status and operations, including current funds revenues, current funds expenditures, and physical plant assets.
Type of Data Collection Operation: Complete census.
Data Collection and Imputation Procedures: Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: For 1986, a 87% response rate. Imputed expenditures amounted to about 2.8% of total expenditures.
Sources of Additional Material: U.S. Department of Education, National Center for Education Statistics, *Financial Statistics of Institutions of Higher Education*, annual.

Source and Title: U.S. Department of Education, National Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Degrees and Other Formal Awards Conferred*
Tables: 266-269.
Universe, Frequency, and Types of Data: Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on earned degrees and other formal awards, conferred by field of study, level of degree, sex, and by racial/ethnic characteristics (in alternate years).
Type of Data Collection Operation: Complete census.
Data Collection and Imputation Procedures: Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: For 1985-86, approximately 93% response rate.
Sources of Additional Material: U.S. Department of Education, National Center for Education Statistics, *Earned Degrees Conferred*, annual.

(See sections 1 and 9 for information pertaining to the Bureau of the Census and section 3 above for the National Center for Health Statistics.)

SECTION 5. LAW ENFORCEMENT, COURTS, AND PRISONS

Source and Title: U.S. Federal Bureau of Investigation, *Uniform Crime Reporting (UCR) Program*
Tables: 277-281, 283, 284, and 292-295.
Universe, Frequency, and Types of Data: Monthly reports on the number of criminal offenses that become known to law enforcement agencies. Data are collected on crimes cleared by arrest, by age, sex, and race of offender, and on assaults on law enforcement officers.
Type of Data Collection Operation: Crime statistics are based on reports of crime data submitted either directly to the FBI by contributing law enforcement agencies or through cooperating State UCR programs.
Data Collection and Imputation Procedures: States with UCR programs collect data directly from individual law enforcement agencies and forward reports, prepared in accordance with UCR standards, to FBI. Accuracy and consistency edits are performed by FBI.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Coverage of 96% of the population (98% in SMSA's, 93% in "other cities," and 89% in rural areas) by UCR program, though varying number of agencies report. Some error is present through incorrect reporting.
Sources of Additional Material: U.S. Federal Bureau of Investigation, *Crime in the United States*.

Source and Title: U.S. Bureau of Justice Statistics (BJS), *National Crime Survey*

Tables: 265-269.

Universe, Frequency, and Types of Data: Monthly survey of individuals and households in the U.S. to obtain data on criminal victimization of those units for compilation of annual estimates.

Type of Data Collection Operation: National probability sample survey of about 59,000 interviewed households in 376 PSU's selected from a list of addresses from the 1970 census, supplemented by new construction permits and an area sample where permits are not required.

Data Collection and Imputation Procedures: Interviews are conducted every 6 months for 3 years for each household in the sample; 10,000 households are interviewed monthly. Personal interviews are used in the first, third, fifth, and seventh interviews; the intervening interviews are conducted by telephone whenever possible.

Estimates of Sampling Error: CV's in 1985: 2.2% for crimes of violence; 14.8% for estimate of rape counts; 5.5% for robbery counts; 2.5% for assault counts; 1.4% for personal larceny counts; 2.2% for burglary counts; 1.8% for household larceny; 1.3% for all household crimes; and 4.8% for motor vehicle theft counts.

Other (nonsampling) Errors: Respondent recall errors which may include reporting incidents for other than the reference period; interviewer coding and processing errors; and possible mistaken reporting or classifying of events. Adjustment is made for a household noninterview rate of about 4% and for a smaller within-household noninterview rate.

Sources of Additional Material: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

(See section 2 for details on table 282 and section 9 for details on table 302.)

SECTION 8. ELECTIONS

(See section 1 above for information pertaining to table 432.)

SECTION 9. STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT

Source and Title: U.S. Bureau of the Census, *Census of Governments*

Tables: See tables in section 9 citing *Census of Governments*.

Universe, Frequency, and Types of Data: Survey of all governmental units in the U.S. conducted every 5 years to obtain data on government revenue, expenditures, debt, employment and employee retirement systems, property values, public school systems, and number, size, and structure of governments.

Type of Data Collection Operation: Complete census. List of units derived through classification of government units recently authorized in each State and identification, counting, and classification of existing local governments and public school systems.

Data Collection and Imputation Procedures: Data collected through field and office compilation of financial data from official records and reports for States and large local governments; mail canvass of selected data items, like State tax revenue and employee retirement systems; and collection of local government statistics through central collection arrangements with State governments.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Some nonsampling errors may arise due to possible inaccuracies in classification, response, and processing.

Sources of Additional Material: U.S. Bureau of the Census, *Census of Governments, 1982*, various reports, and *State Government Finances in 1986*, GF 86, No. 3.

Source and Title: U.S. Bureau of the Census, *Annual Surveys of State and Local Government*

Tables: See tables citing *Public Employment* and *Governmental Finances* in section 9; table 228 in section 4; table 302 in section 5; and table 586 in section 12.

Universe, Frequency, and Types of Data: Sample survey conducted annually to obtain data on revenue, expenditure, debt, and employment of State and local governments. Universe is all governmental units in the U.S. (about 82,000).

Type of Data Collection Operation: Sample of about 22,000 units includes all State governments, county governments with 50,000+ population, municipalities and townships in certain States with 25,000+ population, all school districts with 5,000+ enrollment in October 1981, and other governments meeting certain criteria; probability sample for remaining units. A supplemental survey provides complete coverage of 39,000 local government units for data on taxes and intergovernmental revenue.

Data Collection and Imputation Procedures: Field and office compilation of data from official records and reports for States and large local governments; central collection of local governmental financial data through a number of State governments; mail canvass of other units with mail and telephone followups of nonrespondents. Data for nonresponses are imputed from previous year data or obtained from secondary sources, if available.

Estimates of Sampling Error: CV's for estimates of major employment and financial items are generally less than 2% for most States and less than 1.2% for the majority of States.

Other (nonsampling) Errors: Nonresponse rate is about 15% for number of units. Other possible errors may result from undetected inaccuracies in classification, response, and processing.

Sources of Additional Material: U.S. Bureau of the Census, *Public Employment in 1986*, GE 86, No. 1, *Governmental Finances in 1985-86*, GF 86, No. 5, and *Census of Governments, 1982*, various reports.

SECTION 10. FEDERAL GOVERNMENT

Source and Title: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*

Tables: 506-510.

Universe, Frequency, and Types of Data: Annual study of unaudited individual income tax returns, Forms 1040, 1040A, and 1040EZ, filed by U.S. citizens and residents. Data provided on various financial characteristics by size of adjusted gross income, marital status, and by taxable and nontaxable returns. Data by State, based on 100% file, also include returns from 1040NR, filed by nonresident aliens plus certain self-employment tax returns.

Type of Data Collection Operation: Annual stratified probability sample alternates between approximately 83,000 and 120,000 returns broken into sample strata based on the larger of total income or total loss amounts as well as the size of business plus farm receipts. Sampling rates for sample strata varied from .02% to 100%.

Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.

Estimates of Sampling Error: Estimated CV's for tax year 1985: Number of returns in subgroups, ranged from .8% for returns under $5,000 to .2% for returns over $500,000; for adjusted gross income less deficit, .1%; and amount of income tax, .2%. (State data not subject to sampling error.)

Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.

Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

SECTION 12. SOCIAL INSURANCE AND HUMAN SERVICES

Source and Title: U.S. Social Security Administration, *Benefit Data*

Tables: 578 and 579.

Universe, Frequency, and Types of Data: All persons receiving monthly benefits under Title 11 of Social Security Act. Data on number and amount of benefits paid by type and State.

Type of Data Collection Operation: Data based on administrative records. Data based on 100% files, as well as 10% and 1% sample files.

Data Collection and Imputation Procedures: Records used consist of actions pursuant to applications for benefits, updated by subsequent post-entitlement actions.

Estimates of Sampling Error: Varies by size of estimate and sample file size.

Other (nonsampling) Errors: Processing errors, which are believed to be small.

Sources of Additional Material: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin.*

Source and Title: U.S. Social Security Administration, *Supplemental Security Income (SSI) Program*

Tables: 604-607.

Universe, Frequency, and Types of Data: All eligible aged, blind, or disabled persons receiving SSI benefit payments under SSI program. Data include number of persons receiving federally administered SSI, amounts paid, and State administered supplementation.

Type of Data Collection Operation: Data based on administrative records.

Data Collection and Imputation Procedures: Data adjusted to reflect returned checks and overpayment refunds. For federally administered payments, actual adjusted amounts are used; for State administered, payments are deflated for average rate across all States.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Processing errors, which are believed to be small.

Sources of Additional Material: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin.*

(See section 1 above for information pertaining to the Current Population Survey; section 3 above for information pertaining to the Supplement on Aging to the National Health Interview Survey; and section 9 for information pertaining to Annual Surveys of State and Local Government.)

SECTION 13. LABOR FORCE, EMPLOYMENT, AND EARNINGS

Source and Title: U.S. Bureau of Labor Statistics (BLS), *Current Employment Statistics (CES) Program*

Tables: 655-657, 661, 663; in section 17, table 845; in section 21, table 999; in section 22, table 1052; and in section 24, table 1145.

Universe, Frequency, and Types of Data: Monthly survey covering about 4 million nonagricultural establishments to obtain data on employment, hours, and earnings, by industry.

Type of Data Collection Operation: Probability sample survey of over 300,000 establishments in March 1987.

Data Collection and Imputation Procedures: Cooperating State agencies mail questionnaires to sample establishments to develop State and local estimates; information is forwarded to BLS where national estimates are prepared.

Estimates of Sampling Error: Estimated CV's in 1986: For average weekly hours paid, .1% and for average hourly earnings, .2%.

Other (nonsampling) Errors: Incorrect responses believed to be somewhat offsetting. Estimates of employment adjusted annually to reflect complete universe. Average adjustment is .2%.

Sources of Additional Material: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, Explanatory Notes, tables L-Q and *BLS Handbook of Methods*, Bulletin 2285 (Apr. 1988).

(See section 1 above for information pertaining to the Current Population Survey.)

SECTION 14. INCOME, EXPENDITURES, AND WEALTH

(See section 1 above for information pertaining to the Bureau of the Census.)

SECTION 15. PRICES

Source and Title: U.S. Bureau of Labor Statistics (BLS), *Consumer Price Index (CPI)*

Tables: 748, 749, 758-761, 763, 770, 774, 775, and in section 3, table 144.

Universe, Frequency, and Types of Data: Monthly survey of price changes of all types of consumer goods and services purchased by urban wage earners and clerical workers prior to 1978, and urban consumers thereafter. Both indexes continue to be published.

Type of Data Collection Operation: Prior to 1978, sample of various consumer items in 56 urban areas; thereafter, in 85 PSU's, except from January 1987 through March 1988, when 91 areas were sampled.

Data Collection and Imputation Procedures: Prices of consumer items are obtained from about 57,000 housing units, and 19,000 other reporters in 85 areas. Prices of most goods and services are obtained monthly in the 5 largest areas and every 2 months in others.

Estimates of Sampling Error: Estimates of standard errors are not available at present.

Other (nonsampling) Errors: Errors result from inaccurate reporting, difficulties in defining concepts and their operational implementation, lack of systematic method for incorporating new outlets in the sample, and introduction of product quality changes and new products.

Sources of Additional Material: U.S. Bureau of Labor Statistics, *The Consumer Price Index: 1987 Revision*, Report 736, and *BLS Handbook of Methods*, Bulletin 2285.

Source and Title: U.S. Bureau of Labor Statistics, *Producer Price Index (PPI)*

Tables: 748, 749, 753-757; in section 21, table 1040; in section 24, table 1148; and in section 26, table 1219.

Universe, Frequency, and Types of Data: Monthly survey of producing companies to determine price changes of all commodities produced for sale in commercial transactions in primary markets in the U.S. Data on agriculture, forestry, fishing, manufacturing, mining, gas, electricity, and public utilities.

Type of Data Collection Operation: Probability sample of over 3,000 commodities and about 16,000 respondents.

Data Collection and Imputation Procedures: Data are collected by mail. If transaction prices are not supplied, list prices are used. Some prices are obtained from trade publications, organized exchanges, and government agencies. To calculate index, price changes multiplied by their relative weights based on total net selling value of all commodities in 1982.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Not available at present.

Sources of Additional Material: U.S. Bureau of Labor Statistics, *BLS Handbook of Methods*, Bulletin 2285.

SECTION 17. BUSINESS ENTERPRISE

Source and Title: U.S. Internal Revenue Service, *Statistics of Income, Sole Proprietorship Returns* and *Statistics of Income Bulletin*

Tables: 846-850.

Universe, Frequency, and Types of Data: Annual study of unaudited income tax returns of nonfarm sole proprietorships, Form 1040 with business or farm schedules. Data provided on various financial characteristics by industry.

Type of Data Collection Operation: Stratified probability sample of approximately 38,000 sole proprietorships for tax year 1985. The sample is classified based on presence or absence of certain business schedules; the larger of total income or loss; and size of business plus farm receipts. Sampling rates vary from .02% to 100%.

Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.

Estimates of Sampling Error: Estimated CV's for tax year 1983 (latest available): For sole proprietorships, number of nonfarm businesses, .24%; business receipts, 1.78%; net income, (less loss), 1.98%; and net income, 1.29%.

Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.

Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Sole Proprietorship Returns* and *Statistics of Income Bulletin*, Vol. 7, No. 1 (Summer 1987).

Source and Title: U.S. Internal Revenue Service, *Statistics of Income, Partnership Returns* and *Statistics of Income Bulletin*

Tables: 846-849, 851, and 852.

Universe, Frequency, and Types of Data: Annual study of unaudited income tax returns of partnerships, Form 1065. Data provided on various financial characteristics by industry

Type of Data Collection Operation: Stratified probability sample of approximately 33,000 partnership returns filed for tax year 1985. The sample is classified based on combinations of gross receipts, total income or loss, and total assets, and on industry. Sampling rates vary from .1% to 100%.

Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.

Estimates of Sampling Error: Estimated CV's for tax year 1985 (latest available): For number of partnerships, .43%; business receipts, .63%; net income, 2.01%; and net loss, 1.38%.

Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.

Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Partnership Returns* and *Statistics of Income Bulletin*, Vol. 7, No. 1 (Summer 1987).

Source and Title: U.S. Internal Revenue Service, *Corporation Income Tax Returns*

Tables: 846-849, and 856.

Universe, Frequency, and Types of Data: Annual study of unaudited corporation income tax returns, Forms 1120 and 1120 (L, M, S, F, IC-DISC, or FSC), filed by corporations or businesses legally defined as corporations. Data provided on various financial characteristics by industry and size of total assets, and business receipts.

Type of Data Collection Operation: Stratified probability sample of approximately 89,000 returns in 1985, broken into sample classes generally based on type of return, size of total assets, size of net income or deficit, and selected business activity. Sampling rates for sample strata varied from .4% to 100%.

Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return and to achieve statistical definitions.

Estimates of Sampling Error: Estimated CV's for 1985: Number of returns in subgroups ranged from 1.2% with assets under $100,000, to 0% with assets over $100 mil.; for amount of net income and amount of income tax, .1%.

Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.

Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Returns*, annual.

SECTION 18. COMMUNICATIONS

(See section 27 for information pertaining to table 912.)

SECTION 19. ENERGY

Source and Title: U.S. Energy Information Administration, *Residential Energy Consumption Survey*
Tables: 934-937, 967, and table 1249 in section 26.
Universe, Frequency, and Types of Data: Triennial survey of households and fuel suppliers. Data are obtained on energy-related household characteristics, housing unit characteristics, use of fuels, and energy consumption and expenditures by fuel type
Type of Data Collection Operation: Probability sample of 6,752 eligible units in 149 PSU's. For responding units, fuel consumption and expenditure data obtained from fuel suppliers to those households.
Data Collection and Imputation Procedures: Personal interviews. Extensive followup of nonrespondents including mail questionnaires for some households. Adjustments for nonrespondents were made in weighting for respondents. Most item nonresponses were imputed.
Estimates of Sampling Error: Estimated CV's for household averages: For consumption or expenditures, 1.3%; for various fuels, values ranged from 1.9% for electricity to 5.3% for LPG.
Other (nonsampling) Errors: Household response rate of 84.2%. Non-consumption data were mostly imputed for mail respondents (3.0% of eligible units). Complete responses from fuel suppliers for various fuels ranged from 83.4% for electricity to 48.3% for fuel oil and kerosene.
Sources of Additional Material: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985.*

SECTION 21. TRANSPORTATION—LAND

(See section 2 for information pertaining to table 101[illegible] and section 15 for table 1040.)

SECTION 22. TRANSPORTATION—AIR AND WATER

Source and Title: U.S. Bureau of the Census, *Foreign Trade—Export Statistics*
Tables: See Bureau of the Census citations for export statistics in source notes in sections 22 and 29 and also tables 1171 and 1172 in section 24; 1184 in section 25; and 1396 in section 30.
Universe, Frequency, and Types of Data: The export declarations collected by Customs are processed each month to obtain data on the movement of U.S. merchandise exports to foreign countries. Data obtained include value, quantity, and shipping weight of exports by commodity, country of destination, Customs district of exportation, and mode of transportation.
Type of Data Collection Operation: Shipper's Export Declarations are required to be filed for the exportation of merchandise valued over $1,500. Customs officials collect and transmit the documents to the Bureau of the Census on a flow basis for data compilation. Value data for shipments valued under $1,501 are estimated, based on established percentages of individual country totals.
Data Collection and Imputation Procedures: Statistical copies of Shipper's Export Declarations are received on a daily basis from Customs ports throughout the country and subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued over $1,500. Estimates for shipments valued at $1,500 or less are made, based on established percentages of individual country totals.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Clerical and complex computer checks intercept most processing errors and minimize otherwise significant reporting errors; other nonsampling errors are caused by undercounting of exports to Canada due to the nonreceipt of some Shipper's Export Declarations.
Sources of Additional Material: U.S. Bureau of the Census, *U.S. Exports, Schedule E, Commodity by Country*, FT 410.

Source and Title: U.S. Bureau of the Census, *Foreign Trade—Import Statistics*
Tables: See Bureau of the Census citations for import statistics in source notes in sections 22 and 29 and also tables 1171 and 1172 in section 24; 1184 in section 25; and 1396 in section 30.
Universe, Frequency, and Types of Data: The import entry documents collected by Customs are processed each month to obtain data on the movement of merchandise imported into the United States. Data obtained include value, quantity, and shipping weight by commodity, country of origin, Customs district of entry, and mode of transportation.
Type of Data Collection Operation: Import entry documents are required to be filed for the importation of goods into the United States valued over $1,000 or for articles which must be reported on formal entries. Customs officials collect and transmit statistical copies of the documents to the Bureau of the Census on a flow basis for data compilation. Estimates for shipments valued under $1,001 and not reported on formal entries are based on established percentages of individual country totals.

Data Collection and Imputation Procedures: Statistical copies of import entry documents, received on a daily basis from Customs ports of entry throughout the country, are subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued at $1,001 and over or items which must be reported on formal entries.

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Verification of statistical data reporting by Customs officials prior to transmittal and a subsequent program of clerical and computer checks are utilized to hold nonsampling errors arising from reporting and/or processing errors to a minimum.

Sources of Additional Material: U.S. Bureau of the Census, *U.S. General Imports and Imports for Consumption, Schedule A, Commodity by Country,* FT 135.

SECTION 23. AGRICULTURE

Source and Title: U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), formerly Statistical Reporting Service (SRS), *Basic Area Frame Sample*

Tables: See tables citing NASS in source notes in section 23, which pertain to this or the following two surveys.

Universe, Frequency, and Types of Data: Two annual area sample surveys of U.S. farm operators: June agricultural survey collects data on planted acreage and livestock inventories; and a February Farm Costs and Returns survey that collects data on total farm production, expenses and specific commodity costs of production.

Type of Data Collection Operation: Stratified probability sample of about 16,000 land area units of about 1 sq. mile (range from .1 sq. mile in cities to several sq. miles in open grazing areas). Sample includes 60,000 parcels of agricultural land. About 20% of the sample replaced annually.

Data Collection and Imputation Procedures: Data collection is by personal enumeration. Imputation is based on enumerator observation or data reported by respondents having similar agricultural characteristics.

Estimates of Sampling Error: Estimated CV's range from 1-2% for regional estimates to 3-6% for State estimates of livestock inventories.

Other (nonsampling) Errors: Minimized through rigid quality controls on the collection process and careful review of all reported data.

Sources of Additional Material: U.S. Department of Agriculture, SRS, *Scope and Methods of the Statistical Reporting Service,* (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

Source and Title: U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), *Multiple Frame Surveys*

Tables: See tables citing NASS in source notes in section 23, which pertain to this or the following survey.

Universe, Frequency, and Types of Data: Surveys of U.S. farm operators to obtain data on major livestock inventories, selected crop acreages and production, grain stocks, and farm labor characteristics; and to obtain farm economic data for price indexing.

Type of Data Collection Operation: Primary frame is obtained from general or special purpose lists, supplemented by a probability sample of land areas used to estimate for list incompleteness.

Data Collection and Imputation Procedures: Mail, telephone or personal interviews used for initial data collection. Mail nonrespondent followup by phone and personal interviews. Imputation based on average of respondents.

Estimates of Sampling Error: Estimated CV for number of hired farm workers is about 3%. Estimated CV's range from 1-2% for regional estimates to 3-6% for State estimates of livestock inventories.

Other (nonsampling) Errors: In addition to above, replicated sampling procedures used to monitor effects of changes in survey procedures.

Sources of Additional Material: U.S. Department of Agriculture, SRS, *Scope and Methods of the Statistical Reporting Service,* (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

Source and Title: U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), *Objective Yield Surveys*

Tables: See tables citing NASS in source notes in section 23, which pertain to this or the preceding survey.

Universe, Frequency, and Types of Data: Surveys for data on corn, cotton, potatoes, soybeans, wheat, and rice to forecast and estimate yields.

Type of Data Collection Operation: Random location of plots in probability sample of fields. Fields selected in June from Basic Area Frame Sample (see above).

ata Collection and Imputation Procedures: Enumerators count and measure plant characteristics in sample fields. Production measured from plots at harvest. Harvest loss measured from post harvest gleanings.

stimates of Sampling Error: CV's for national estimates of production are about 2-3%.

ther (nonsampling) Errors: In addition to above, replicated sampling procedures used to monitor effects of changes in survey procedures.

ources of Additional Material: U.S. Department of Agriculture, SRS. *Scope and Methods of the Statistical Reporting Service,* (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

(See section 1 above for information pertaining to the Census of Population and Current Populaon Survey.)

SECTION 26. CONSTRUCTION AND HOUSING

ource and Title: U.S. Bureau of the Census, *Monthly Survey of Construction*
ables: 1228, 1229, and 1231-1234.

niverse, Frequency, and Types of Data: Survey conducted monthly of newly constructed housing units (excluding mobile homes, and nonhousekeeping residential buildings such as motels, hotels, courts and cabins). Data are collected on the start, completion, and sale of housing. (Annual figures are aggregates of monthly estimates.)

ype of Data Collection Operation: Probability sample of housing units obtained from building permits selected from 16,000 permit-issuing places through 1984 and, beginning in 1985, 17,000 places. For nonpermit places, multistage probability sample of new housing units selected in 169 PSU's. In those areas, all roads are canvassed in selected enumeration districts.

ata Collection and Imputation Procedures: Data are obtained by telephone inquiry and field visit.

stimates of Sampling Error: Estimated CV of 3% to 4% for estimates of national totals, but are as high as 20% for estimated totals of more detailed characteristics, such as housing units in multiunit structures.

ther (nonsampling) Errors: Response rate is over 90% for most items. Nonsampling errors are attributed to definitional problems, differences in interpretation of questions, incorrect reporting, inability to obtain information about all cases in the sample, and processing errors.

urces of Additional Material: U.S. Bureau of the Census, *Construction Reports,* series C20, *Housing Starts;* C22, *Housing Completions;* C25, *New One-Family Houses Sold and For Sale;* and C27, *Price Index of New One-Family Houses Sold.*

urce and Title: U.S. Bureau of the Census, *Value of New Construction Put in Place*
bles: 1221-1223.

iverse, Frequency, and Types of Data: Survey conducted monthly on total value of all construction put in place in the current month, both public and private projects. Construction values nclude costs of materials and labor, contractors' profits, overhead costs, cost of architectural and engineering work, and miscellaneous project costs. (Annual figures are aggregates of monthy estimates.)

pe of Data Collection Operation: Varies by type of activity: Total cost of private one-family houses started each month is distributed into value put in place using fixed patterns of monthly construction progress; using a multistage probability sample, data for private multifamily housing are obtained by mail from owners of multiunit projects. Data for residential additions and alterations are obtained in a quarterly survey measuring expenditures; monthly estimates are interpoated from quarterly data. Estimates of value of private nonhousekeeping, nonresidential buildngs, and State and local government construction are obtained by mail from owners (or agents) or a probability sample of projects. Estimates of farm nonresidential construction expenditures are based on U.S. Department of Agriculture annual estimates of construction; public utility estimates are obtained from reports submitted to Federal regulatory agencies and from private utility ompanies; estimates for all other private construction (nonbuilding) are obtained by phasing F. W. Dodge contract award data; estimates of Federal construction are based on monthly data upplied by Federal agencies.

ta Collection and Imputation Procedures: See "Type of Data Collection Operation." Imputaion accounts for approximately 20% of estimated value of construction each month.

imates of Sampling Error: CV estimates for private nonresidential building construction range rom 3% for estimated value of industrial buildings to 10% for miscellaneous buildings. CV is pproximately 2% for total new private nonresidential buildings.

er (nonsampling) Errors: For directly measured data series based on samples, some nonsamling errors may arise from processing errors, imputations, and misunderstanding of questions. ndirect data series are dependent on the validity of the underlying assumptions and procedures.

Sources of Additional Material: U.S. Bureau of the Census, *Construction Reports*, series C30, *Value of New Construction Put in Place*.

Source and Title: U.S. Bureau of the Census, *Census of Housing*
Tables: 1243 and 1248.
Universe, Frequency, and Types of Data: Census of all occupied and vacant housing, excluding group quarters, conducted every 10 years as part of the decennial census (see section 1 above) to determine characteristics of U.S. housing.
Type of Data Collection Operation: For 1970 and 1980, a complete count of 12 housing items. In 1970, other items collected from 5% and 15% probability samples selected from two sets of detailed questions on housing (these two sets having some common items). In 1980, approximately 19% of the housing units were included in the sample.
Data Collection and Imputation Procedures: In 1970, a self-enumeration census using a mail-out/mail-back procedure was used in most areas. In 1980, mail questionnaires were used - in even more areas than in 1970, with personal interviews in the remainder. Followup for nonrespondents and identification of vacant units done by phone and personal visit.
Estimates of Sampling Error: Sampling errors for data are estimated for all items collected by sample and vary by characteristic and geographic area.
Other (nonsampling) Errors: Evaluation studies for 1980 estimated the underenumeration of occupied housing units at 1.5%. The missed rate in 1980 for all units was 2.6% or approximately 2.3 million units, 1 million of which were vacant housing units.
Sources of Additional Material: U.S. Bureau of the Census, *1980 Census of Population and Housing, The Coverage of Housing in the 1980 Census*, PHC80-E1, July 1985.

Source and Title: U.S. Bureau of the Census, *American Housing Survey*
Tables: See tables citing *American Housing Survey* in source notes.
Universe, Frequency, and Types of Data: Conducted nationally in the fall in odd numbered years to obtain data on the approximately 100 million occupied or vacant housing units in the U.S. (group quarters are excluded). Data include characteristics of occupied housing units, vacant units, new housing and mobile home units, financial characteristics, recent mover households, housing and neighborhood quality indicators, and energy characteristics.
Type of Data Collection Operation: The national sample was a multistage probability sample with about 44,300 units eligible for interview in 1985. Sample units, selected within 394 PSU's, were surveyed over a 5-month period.
Data Collection and Imputation Procedures: For 1985, the survey was conducted by personal interviews. The interviewers obtained the information from the occupants or, if the unit was vacant, from informed persons such as landlords, rental agents, or knowledgable neighbors.
Estimates of Sampling Error: For the national sample, illustrations of the S.E. of the estimates are provided in the appendix B of the 1985 report. As an example, the estimated CV is about .5% for the estimated percentage of owner occupied units with 2 persons.
Other (nonsampling) Errors: Response rate was about 96%. Nonsampling errors may result from incorrect or incomplete responses, errors in coding and recording, and processing errors. For the 1985 national sample, approximately 6% of the total housing inventory was not adequately represented by the AHS sample.
Sources of Additional Material: U.S. Bureau of the Census, *Current Housing Reports*, series H-150 and H-170, *American Housing Survey*.

(See section 1 above for information pertaining to the Census of Population and section 15 pertaining to table 1239.)

SECTION 27. MANUFACTURES

Source and Title: U.S. Bureau of the Census, *Census of Manufactures*
Tables: See tables citing *Census of Manufactures* in source notes in section 27 and also table 912 in section 18 and tables 1394 and 1399 in section 30.
Universe, Frequency, and Types of Data: Conducted every five years to obtain information on labor materials, capital input and output characteristics, plant location, and legal form of organization for all plants in the United States with one or more employees. Universe was 350,000 manufacturing establishments in 1982.
Type of Data Collection Operation: Complete enumeration of data items obtained from 205,000 firms. Administrative records from Internal Revenue Service and Social Security Administration are used for 145,000 smaller single-location firms, which were determined by various cutoffs based on size and industry.
Data Collection and Imputation Procedures: Five mail and telephone followups for larger nonrespondents. Data for small single-location firms (generally those with fewer than 10 employees) not mailed census questionnaires were estimated from administrative records of IRS and SSA.

Data for nonrespondents were imputed from related responses or administrative records from IRS and SSA. Approximately 3.7% of total value of shipments was represented by fully imputed records in 1977 (1982 not available).

Estimates of Sampling Error: Not applicable.

Other (nonsampling) Errors: Based on evaluation studies, estimates of nonsampling errors for 1972 were about 1.3% for estimated total payroll; 2% for total employment; and 1% for value of shipments. Estimates for later years are not available.

Sources of Additional Material: U.S. Bureau of the Census, *Census of Manufactures, 1977,* vol. I, *Subject and Special Statistics.*

Source and Title: U.S. Bureau of the Census, *Annual Survey of Manufactures*

Tables: See tables citing *Annual Survey of Manufactures* in source notes.

Universe, Frequency, and Types of Data: Conducted annually to provide basic measures of manufacturing activity for intercensal years for all manufacturing establishments having one or more paid employees.

ype of Data Collection Operation: Sampling frame is 350,000 establishments in the 1982 Census of Manufactures (see above), supplemented by Social Security Administration lists of new manufacturers and new manufacturing establishments of multi-establishment companies identified annually by the Census Bureau's Company Organization Survey. A probability sample of 55,000 establishments is selected. All establishments of companies with more than $550 million of manufacturing shipments in 1982 are included with certainty. All establishments with 250+ employees are also included along with a probability sample of smaller establishments.

ata Collection and Imputation Procedures: Survey is conducted by mail with phone and mail followups of nonrespondents. Imputation (for all nonresponse items) is based on previous year reports, or for new establishments in survey, on industry averages.

stimates of Sampling Error: Estimated CV's for number of employees, new expenditure, and for value added totals are given in annual publications. For U.S. level industry statistics, most estimated CV's are 2% or less, but vary considerably for detailed characteristics.

ther (nonsampling) Errors: Response rate is about 85%. Nonsampling errors include those due to collection, reporting, and transcription errors, many of which are corrected through computer and clerical checks.

ources of Additional Material: U.S. Bureau of the Census, *Annual Survey of Manufactures,* and Technical Paper 24.

SECTION 28. DOMESTIC TRADE AND SERVICES

ource and Title: U.S. Bureau of the Census, *Census of Wholesale Trade, Census of Retail Trade, Census of Service Industries*

ables: See tables citing the above censuses in source notes in section 28 and table 1399 in section 30.

niverse, Frequency, and Types of Data: Conducted every five years to obtain data on number of establishments, number of employees, total payroll size, and total sales. In 1977, universe was all employer establishments primarily engaged in wholesale trade, and employer and nonemployer establishments in retail trade or service industries. In 1982, for service industries and retail trade summary data for all establishments are available; kind of business detail by State is available only for establishments with payroll.

ype of Data Collection Operation: All wholesale firms with paid employees surveyed; all retail and service large employer firms surveyed (i.e. all employer firms above the payroll size cutoff established to separate large from small employers) plus a 10-percent sample of smaller employer firms. Firms with no employees were not required to file a census return.

ata Collection and Imputation Procedures: Mail questionnaire is utilized with both mail and telephone followups for nonrespondents. Data for nonrespondents and "nonselected" firms in retail trade and service industries are obtained from administrative records of IRS and the Social Security Administration.

stimates of Sampling Error: Not applicable.

her (nonsampling) Errors: Response rate in 1982 of 87% for single establishment firms; 91% for multi-establishment firms. Item response ranged from 60% to 90% with higher rates for less detailed questions.

ources of Additional Material: U.S. Bureau of the Census, Appendix A of *Census of Retail Trade; Census of Service Industries; Census of Wholesale Trade;* and *History of the 1982 Economic Censuses,* February 1987.

urce and Title: U.S. Bureau of the Census, *Current Business Surveys*

bles: 1328-1331, and 1343.

Universe, Frequency, and Types of Data: Provides monthly estimates of retail sales by kind of business and geographic area, and end-of-month inventories of retail stores; wholesale sales and end-of-month inventories; and annual receipts of selected service industries. (Service monthly survey discontinued after Dec. 1981.)

Type of Data Collection Operation: Probability sample of all firms from a list frame and, additionally, for retail and service an area frame. List frame is the Bureau's Standard Statistical Establishment List (SSEL) updated quarterly for recent "births" from the Social Security Administration list of establishments having an employer identification number. The largest firms are included monthly; a sample of others is included every three months on a rotating basis. The area frame covers businesses not subjected to sampling on the list frame.

Data Collection and Imputation Procedures: Data are collected by mail questionnaire with telephone followups for nonrespondents. Imputation made for each nonresponse item and each item failing edit checks.

Estimates of Sampling Error: For 1986, CV's are about .7% for estimated total retail sales, 1.5% for wholesale sales, 1.3% for wholesale inventories. For dollar volume of receipts, CV's from the *Service Annual Survey* vary by kind of business and range between 1.5% to 15.0%. Sampling errors are shown in monthly publications.

Other (nonsampling) Errors: Imputation rates are about 18%-23% for monthly retail sales and wholesale sales and about 25%-30% for monthly wholesale inventories and 14% for the *Service Annual Survey.*

Sources of Additional Material: U.S. Bureau of the Census, *Current Business Reports, Monthly Retail Trade, Monthly Wholesale Trade,* and *Service Annual Survey.*

1989

Appendix IV

Index to Tables Having Historical Statistics, Colonial Times to 1970 Series

[The most recent historical supplement to the *Statistical Abstract* is the bicentennial edition, *Historical Statistics of the United States, Colonial Times to 1970* (see inside back cover). Listed below are statistical time series (identified by number) appearing in this edition, for which tables in the *Statistical Abstract* present comparable figures. Historical series are listed only where related or comparable data are available for one or more years later than 1970. In a few instances, it may be necessary to combine figures shown in the *Abstract* to obtain totals comparable to the series shown in *Historical Statistics*]

Historical Statistics series	1989 *Abstract* table number
A	
A 6-8	2
A 23-25	13
A 29-41	13
A 119-134	21
A 143-149	18
A 156-159	86
A 158-159	127
A 160-171	50
A 172	22
A 195-198	22
A 204-209	27
A 210-263	331
A 264-275	33
A 288-319	58
A 320-334	60
A 335-349	61
A 353-358	69
A 359-371	76
B	
B 1-5	83
B 5-10	85
B 11	87
B 12-20	85
B 20-27	88
B 28-35	93
B 49-66	98
B 107-115	106
B 116-125	107
B 136-147	113
B 142	83
B 149-166	117
B 163-165	124
B 167-173	110
B 181-192	110
B 214-217	127
B 218	132
B 221-235	137
B 222-232	138
B 248-261	136
B 262-272	144
B 275-290	149
B 291-303	177
B 305-318	158
B 331-344	158
B 359-362	159
B 384-387	160
B 401-412	147
B 413-422	158
C	
C 1-10	46
C 25-75	26
C 76	1075
C 89	6
C—Con.	
C 143-157	9
C 144	296
C 149-157	406
C 158-160	296
C 296-331	405
D	
D 11-19	622
D 29-41	624
D 42-48	621
D 49-62	638
D 85-86	622
D 87-101	647
D 116-126	628
D 127-141	655
D 142-151	657
D 689-704	659
D 802-810	657
D 877-892	657
D 918	155
E	
E 23-34	754
E 23-29	755
E 73-86	753
E 135-173	758
E 203-211	775
F	
F 10-16	705
F 586-594	704
G	
G 1-8	720
G 16-23	720
G 31-138	722
G 179-188	726
G 190-192	720
G 197-199	720
G 205-256	731
G 257-268	728
G 851-856	197
G 881-915	194
H	
H 1-47	565
H 51-56	572
H 57-69	573
H 115-124	600
H 125-171	571
H—Con.	
H 172-185	575
H 197-229	578
H 238-242	577
H 262-270	585
H 305-317	588
H 332-345	589
H 346-354	605
H 355-367	604
H 392-397	593
H 398-411	615
H 421-429	199
H 442-476	206
H 513-519	200
H 535-544	234
H 598-601	244
H 602-617	212
H 690-692	248
H 699-705	247
H 705	248
H 710	247
H 729-738	257
H 747-749	257
H 751-763	266
H 793-799	78
H 806-828	371
H 829-835	374
H 862-864	387
H 865-870	386
H 871	387
H 872	386
H 874	387
H 875-876	391
H 877	387
H 899-920	402
H 921-940	404
H 946-951	403
H 952-961	277
H 971-978	282
H 979-986	126
H 987-998	295
H 999-1011	292
H 1012-1027	301
H 1028-1062	303
H 1063-1078	305
H 1079-1096	306
H 1097-1111	307
H 1112-1118	309
H 1119-1124	315
H 1135-1140	318
H 1155-1167	326
J	
J 1-2	332
J 3-6	334
J 10-15	524
J 26-32	524
J—Con.	
J 33-34	1141
J 41-42	525
J 50-66, 71, 76	333
J 92-103	341
J 110-136	359
J 164-267	359
J 268-278	358
K	
K 1-2	1075
K 4-7	1078
K 16	1088
K 82-113	1083
K 142-146	1082
K 162-173	1081
K 174-176	1075
K 184-191	1107
K 192	1095
K 195-203	1105
K 204-219	1089
K 251-255	1116
K 259-260	1095
K 264-285	1095
K 286-302	1096
K 326	1097
K 330-343	1101
K 344-353	1103
K 358-360	1104
K 361-367	1090
K 376-380	1090
K 407-413	1111
K 414-429	1113
K 430-444	1111
K 445-485	1110
K 486-495	1108
K 496-499	1112
K 502-505	1124
K 506-563	1121
K 561-563	1128
K 575-582	1135
K 583-594	1133
K 595-608	1134
K 609-623	1137
K 614	1138
K 621	1138
L	
L 10-14	1140
L 15-31	1141
L 72-86	1146
L 87-97	1147
L 98-112	1150
L 113-121	1151
L 122-137	1150
L 151-170	1156

Index to Tables in Which *Historical Statistics* Series Appear—Continued

[See headnote, p. 915]

Historical Statistics series	1989 *Abstract* table number
L—Con.	
L 172	1153
L 174	1153
L 175	1155
L 178-191	1153
L 192-198	1154
L 199-205	1149
L 206-210	1148
L 212-223	1145
L 224-226	1160
L 227-235	1171
L 229	1160
L 254-261	1159
L 262-293	1161
L 305-310	1164
L 312-318	1172
L 338-357	1169
L 362-365	1170
M	
M 1-12	1176
M 13-37	1177
M 68-71	1175
M 76-92	926
M 93-126	1196
M 127, 128	945
M 143-146	1192
M 147-161	1193
M 188-194	1198
M 201-202	1199
M 203-204	1198
M 205-211	1200
M 225-226	1207
M 231-234	1205
M 235-241	1203
M 242-248	1202
M 249-250	1209
M 256-257	1210
M 258-262	1211
M 266-267	1208
M 268-269	1201
M 271-286	1185
N	
N 1-29	1222
N 66-69	1222
N 78-100	1224
N 118-137	1220
N 140-155	1219
N 156-163	1229
N 170	1229
N 186-191	1257
N 238-245	1243
N 249-258	1253
N 266-267	810
N 273, 276	808
N 291-297	1258
P	
P 1-12	1264
P 13	1273
P 18-39	1273
P 58-67	1265
P 74-92	1271
P 229-230	1291
P 235, 236a	1287
P 239-241	1290
P 242-243	1294
P 260-261	1295
P 265-269	1300
Q	
Q 1-22	1000
Q 36-42	999
Q 50-51, 55	1003
Q 69-75	1032
Q 90-94	1007
Q 136-147	1010
Q 148-155	1013
Q 156-162	1026
Q 163-174	842
Q 199-207	1025
Q 208	1018
Q 224-232	1018
Q 233-234	1009
Q 238-250	1031
Q 284-312	1037
Q 319, 330	1037
Q 332	1039
Q 356-378	1037
Q 400-401	1037
Q 414-416	1069
Q 438-448	1065
Q 449-458	1067
Q 473-480	1071
Q 487-502	1066
Q 507-517	1063
Q 577-590	1044
Q 591-603	1043
Q 604-623	1050
Q 624-633	1044
R	
R 31-45	904
R 46-70	903
R 75-88	903
R 140-148	906
R 163-171	896
R 172-186	897
R 187	896
R 188-191	898
R 191-216	382
R 224-231	914
R—Con.	
R 232-243	913
S	
S 1-14	925
S 32-52	952
S 78-82	952
S 86-107	952
S 133-146	958
S 160-175	968
S 190-204	965
S 205-218	963
T	
T 43-47	1324
T 79-196	1325
T 197-219	1330
T 245, 246, 255	1328
T 245-271	1329
T 274-287	1342
T 280-371	1343
T 391-443	1346
T 444-471	920
T 472-484	919
U	
U 1-25	1356
U 26-39	1357
U 41-46	1363
U 47-74	1359
U 75-186	1365
U 190-195	1369
U 207-212	1378
U 225-248	1375
U 264-273	1373
U 274-294	1376
U 295-316	1377
U 317-352	1372
V	
V 1-12	846
V 20-30	863
V 42-53	849
V 167-183	856
V 197-212	958
W	
W 14, 17, 19	658
W 22-25	659
W 30-54	658
W 62-65	658
W 67-81	1111
W—Con.	
W 82-95	917
W 96-108	874
W 109-125	972
W 126	974
W 142	975
W 167	982
X	
X 114-147	786
X 192, 229	785
X 410-417	821
X 444-453	823
X 454-455	822
X 474-491	824
X 492-498	826
X 517-530	829
X 536-539	834
X 551-560	814
X 588-609	797
X 716-724	793
X 741, 748	799
X 756, 761	798
X 864-878	804
X 879-889	838
X 890-917	836
X 918, 923	841
X 928, 933	841
X 940	841
X 957-962	843
Y	
Y 79-83	411
Y 84-134	412
Y 135-186	413
Y 189-198	419
Y 199-203	420
Y 204-210	418
Y 211-214	415
Y 272-307	479
Y 308-317	520
Y 318-331	518
Y 335-338	490
Y 339-342	489
Y 358-373	505
Y 393-411	506
Y 412-439	511
Y 458-460	528
Y 461	496
Y 493-494	496
Y 497	497
Y 500-504	497
Y 505-637	447
Y 638-651	451
Y 652-848	447
Y 856-903	548
Y 943-956	557
Y 971-983	560
Y 998-999	561

Appendix **V**

Listing of Tables Deleted from the 1988 Edition of the Statistical Abstract

Table Titles

1988 Table number	Table Titles	1988 Page number
	Sec. 1. **POPULATION**	
3	Population and Area—United States and Outlying Areas: 1960 to 1980	8
12	Refugee Arrivals by Selected Area of Citizenship and State: 1980 to 1986	12
22	Population, by Size-Class of States: 1970 to 1986	20
36	Number of Counties and Population, 1986, by Division and Percent Change in County Population, 1980–1986	31
52	Ever-Married Persons 25–54 Years Old Who Were Divorced or Separated at Time of Survey, by Race, Sex, and Age: 1970 to 1986	41
	Sec. 2. **VITAL STATISTICS**	
97	Ability to Bear Children of Currently Married Couples, by Age of Wife, Number of Prior Births, and Race: 1982	66
101	Unwanted Births of Ever-Married Women, 15–44 Years Old: 1973 and 1982	68
102	Family Planning Services—Visits per 1,000 Women 15–44 Years Old: 1982	68
	Sec. 3. **HEALTH AND HOSPITALS**	
151	Physician Expenses and Malpractice Insurance Premiums, by Selected Specialty: 1982 and 1984	96
168	Percent of Children Immunized Against Specified Diseases, by Age-Group: 1980 to 1985	106
179	Frequency of Alcohol Consumption by Sex, Age, and Family Income: 1984	112
181	Current Users of Alcohol, Marihuana, and/or Cocaine: 1985	112
	Sec. 4. **EDUCATION**	
198	Preprimary School Enrollment of Children 3 to 5 Years Old: 1970 to 1986	123
200	Public Elementary and Secondary Schools, by Grade Span—States: 1985	124
219	Instructional Use of Computers in Elementary and Secondary Schools: 1985	134
222	Public Elementary and Secondary Students in Educational Programs for the Handicapped, by Type of Handicap and Educational Environment: 1985	135
231	Mean Money Earnings, by Age, Sex, and Educational Attainment: 1985	139
238	Changes in Enrollment in Remedial College Courses, 1978 to 1984, and Freshmen Enrollment in Remedial College Courses, 1984	142
239	College Enrollment, by Selected Major Field of Study and Sex: 1976 and 1984	143
	Sec. 5. **LAW ENFORCEMENT, COURTS, AND PRISONS**	
281	Home Crime Prevention Measures Undertaken by Households: 1984	166
282	Security Measures at Work Place, by Size of Establishment: 1984	166
302	Jails—Summary: 1983	174
304	Jail Inmates—Selected Characteristics: 1983	175
306	Federal and State Prisoners, by Sex and Race: 1978 to 1985	175
307	State Correctional Facilities—Summary: 1984	175
	Sec. 6. **GEOGRAPHY AND ENVIRONMENT**	
335	Population Served by Sewer Systems, by Degree of Treatment: 1960 to 1986	194
337	Pesticide Residues in Human Adipose Tissue—Concentration Levels: 1970 to 1983	194

1988 Table number		1988 Page number
	Sec. 8. **ELECTIONS**	
410	Members of Congress—Seniority and Occupation: 1981 to 1987	244
	Sec. 10. **FEDERAL GOVERNMENT FINANCES AND EMPLOYMENT**	
484	Consolidated Statement of Financial Position of the United States Government: 1980 to 1986	300
502	Paid Civilian Employment in the Federal Government, by Agency, All Areas, Summary: 1980 and 1986	310
	Sec. 11. **NATIONAL DEFENSE AND VETERANS AFFAIRS**	
513	Defense Purchases, National Income and Product Account (NIPA) Basis: 1980 to 1986	316
515	Employment—Defense-Related Agencies: 1970 to 1986	316
520	Arms Export Market Share: 1975 to 1985	319
526	Estimated U.S. Strategic Nuclear Forces: 1987	322
527	Estimated Soviet Union Strategic Nuclear Forces: 1987	322
528	Department of Defense—Active Duty Military Personnel: 1940 to 1986	323
529	Department of Defense Personnel, Payroll, and Military Retirees: 1950 to 1986	323
538	Monthly (January) Rates of Military Basic Pay: 1984 to 1987	325
	Sec. 12. **SOCIAL INSURANCE AND HUMAN SERVICES**	
567	Individual Retirement Account (IRA), Keogh Account and Pension Plan Coverage of Employed Persons: 1983	344
	Sec. 13. **LABOR FORCE, EMPLOYMENT AND EARNINGS**	
615	Selected Measures of Work Schedules, by Sex, Occupation and Industry: 1985	369
616	Employed Persons Working at Home, by Selected Characteristic: 1985	370
637	Displaced Workers, by Division of Residence and Selected Characteristics: 1986	383
658	Work Disability Status, by Occupation, Health and Pension Coverage, and Industry: 1987	397
	Sec. 14. **INCOME, EXPENDITURES, AND WEALTH**	
706	Married-Couple Families with Earnings, by Work Experience in 1983 of Husbands and Wives	430
723	Top Wealthholders with Gross Assets of $300,000 or More, by Size of Net Worth and Sex: 1982	438
724	Top Wealthholders with Gross Assets of $300,000 or More, by State of Residence: 1982	439
725	Top Wealthholders with Gross Assets Greater Than $500,000, by Size of Net Worth and Type of Asset: 1982	439
	Sec. 15. **PRICES**	
753	Seafood Prices: 1970 to 1984	459
	Sec. 16. **BANKING, FINANCE AND INSURANCE**	
789	Finance Companies—Assets and Liabilities: 1975 to 1985	478
799	Households Owning Interest-Earning Assets, by Selected Characteristic: 1984	482
	Sec. 17. **BUSINESS ENTERPRISE**	
836	Business Failures by Industry Sector: 1984 to 1986	501
849	Fixed Nonresidential Private Capital Valued in Current and Constant (1982) Dollars: 1970 to 1986	508
850	Fixed Nonresidential Business Capital—Average Age of Gross Stocks, Using Constant (1982) Cost Valuation: 1970 to 1986	508
865	Manufacturing Corporations—Sales, Profits, Stockholders' Equity, and Debt: 1960 to 1986	516

1988 Table number		1988 Page number
	Sec. 18. **COMMUNICATIONS**	
873	U.S. Postal Service Revenues: 1970 to 1986	521
874	U.S. Postal Service Employees, by Type: 1970 to 1986	521
	Sec. 20. **SCIENCE**	
954	Funds for Performance of Industrial Research and Development (R&D), by Industry: 1970 to 1985	560
	Sec. 21. **TRANSPORTATION—LAND**	
977	Personal Consumption Expenditures for Transportation: 1970 to 1986	569
1005	Volume and Characteristics of Travel: 1983	582
1006	Household Motor Vehicles, Miles Driven, and Motor Fuel Expenditures, by Household Characteristic: 1985	582
1009	Gasoline Retail Prices—Selected Countries: 1973 to 1986	583
	Sec. 23. **AGRICULTURE**	
1079	Farm Income, 1985 and 1986, and Income/Debt Ratio, 1986, by State	619
	Sec. 24. **FORESTS AND FISHERIES**	
1136	Fisheries—Domestic Catch and Ex-Vessel Value by Area: 1980 to 1986	646
1141	Catch and Catch Limits in the U.S. Exclusive Economic Zone (EEZ) by Country: 1982 to 1986	648
	Sec. 25. **MINING AND MINERAL PRODUCTS**	
1155	Mineral Industries—States: 1972 to 1982	656
1166	Crude Petroleum and Refined Products: 1973 to 1986	662
1167	Petroleum—Runs to Stills and Refinery Products, by Product: 1973 to 1986	662
1170	Petroleum Inventories at the Beginning of Peak Seasons: 1975 to 1986	664
	Sec. 26. **CONSTRUCTION AND HOUSING**	
1202	Value of New Construction Put in Place in Constant (1982) Dollars: 1970 to 1986	680
1221	Housing Units—Summary of Characteristics: 1960 to 1983	688
1222	Housing Units—Selected Characteristics, by State: 1980	689
1224	Occupied Housing Units—Financial Summary: 1970 to 1983	690
1226	Occupied Housing Units—Primary Heating Fuel and Equipment, by Selected Characteristics: 1984	691
1228	Housing Units—Characteristics by Square Footage of Floor Space: 1980 to 1984	692
	Sec. 27. **MANUFACTURES**	
1269	Filament Yarn and Staple and Tow Shipments and Trade: 1980 to 1985	720
	Sec. 28. **DOMESTIC TRADE AND SERVICES**	
1308	Retail Trade—Sales by Broad Merchandise Lines: 1977 and 1982	739
	Sec. 29. **FOREIGN COMMERCE AND AID**	
1348	Percent Distribution of U.S. Domestic Exports and General Imports, by Broad Commodity Groups: 1970 to 1986	775
	Sec. 31. **COMPARATIVE INTERNATIONAL STATISTICS**	
1377	World Vital Statistics and Life Expectancy, 1965 to 1985, and Projections, 1985 to 2005	794
1380	Urban Population; Growth, Birth, and Death Rates; Life Expectancy; and Infant Mortality—Selected Countries	800
1384	Selected Measures of Hospital and Physician Utilization—Selected Countries: 1983	803
1402	Labor Force Participation Rates, by Sex, and Females as Percent of Total Labor Force—Selected Countries: 1970 to 1986	812

Index

Table

A

- Abortions 103-105
- Abrasives 1176, 1177
- Absent without authority (military personnel) 552
- Accidents and fatalities 176,1001,1018, 1024, 1037, 1185
  - Aircraft 124, 1001, 1044, 1048
  - Deaths and death rates 115, 117, 118, 124
    - Foreign countries 1407
    - Infants 115
  - Drownings 117, 124
  - Falls 117, 124
  - Fires 330
  - Industrial 124, 680, 681, 1185
  - Motor vehicles 117, 124, 176, 1018, 1022, 1024
  - Motorcycle 1018-1020
  - Police officers assaulted, killed 295
  - Railroad 1037, 1040
  - Tanker casualties 1070
  - Transportation 124, 1001
- Accounting, auditing, and bookkeeping:
  - Earnings 1339, 1346, 1347
  - Employees 1339, 1346, 1347
  - Establishments 1339, 1346, 1347
  - Receipts 1348
- Accounting machines, shipments 1306
- Acquired immuno-deficiency syndrome (AIDS) 177-181
- Aquisition of territory by the U.S. 332, 334, 335
- Adjustable rate mortgages (ARM's) 1247
- Admission to Statehood 331
- Adoptions 612
- Advertising:
  - Earnings 657, 1346.1347
  - Employees 645, 657, 1346, 1347
  - Establishments 1346, 1347
  - Receipts 1348
- Aeronautics, civil. See Air transportation.
- Aerospace industry:
  - Capital 1053
  - Earnings 1051, 1053
  - Employees 1051, 1053
  - Foreign trade 1053, 1056
  - New orders, backlog[1] 1054
  - Sales 992, 1054
  - Shipments 1053
- Afghanistan. See Foreign countries.
- AFL-CIO 682
- Africa. See Foreign countries.
- Age of population. See Population.
- Aggravated assault 277-280, 285, 293
- Agricultural loans. See Farm mortgage loans.
- Agricultural nonprofit associations 82
- Agricultural prices 772
- Agricultural products. See Farms and individual products.
- Agricultural sciences:
  - Degrees conferred 267, 270, 271
  - Employment 987
- Agricultural services:
  - Earnings 1393
  - Employees 645, 646, 650, 1393
  - Gross national product 1390, 1391
- Agriculture (see also Farms and Farmers and farmworkers):
  - Advertising expenditures 922-924
  - Aid to foreign countries (Public Law 480) 1364
  - Balance sheet of the farming sector 1089
  - Employees 642, 1279
  - Employment projections 641
  - Federal aid to State and local governments 451
  - Federal expenditures 490, 974
  - Financial stress indicators 1092
  - Outlying areas of U.S. 1398
  - Unemployment 450
    - Rate 651
- Agriculture, forestry, and fishing industry:
  - Earnings 393, 660
  - Employees 645, 1074, 1393
  - Establishments 848, 849
  - Finances 848, 849
  - Gross national product 686, 696
  - Occupational safety 680, 681
  - Profits 848, 869
  - Sales, shipments, receipts 848, 869

Table

- Agriculture, forestry, and fishing industry—Continued
  - Starts and failures 865
  - Value added 1074
- Aid to families with dependent children 570, 604, 607, 610
- AIDS (acquired immuno-deficiency syndrome) 177-181
- Air conditioning:
  - Homes with 1241, 1249
  - Shipments and retail value 1321
- Air Force, Department of, personnel 544, 548, 549, 551
- Air pollution 344-348
  - Expenditures for abatement 353-355, 357
- Air traffic control specialists 1050
- Air traffic hubs, summary 1045
- Air transportation:
  - Accidents and deaths 124, 1001, 1044, 1047
  - Air traffic hubs 1045
  - Certificated route air carriers, summary 1044.1050
    - Revenues and expenses, summary 1043, 1050
    - Service and traffic 1037
  - Civil aviation 1050
    - Employees 409
    - Receipts 409
  - Consumer complaints 1048
  - Cost indexes 1046
  - Federal outlays 1002
  - Hijacking incidents 1047
  - Passenger outlays 998
  - Regional airlines 1049
  - Scheduled air carrier operations 1044
  - Traffic carried 405, 1000, 1037, 1044, 1049
- Air transportation industry:
  - Earnings 657
  - Employees 657
  - Finances 409, 1043, 1046
  - Foreign trade 1056
  - Occupational safety 661
  - Productivity 655
  - Profits 884
  - Sales 884
  - Starts and failures 865
- Aircraft and parts, manufacturing:
  - Earnings 657, 1051, 1052, 1265
  - Employees 657, 1051, 1052, 1265
  - Establishments 1265
  - Finances 887, 1046
  - Foreign trade 1056, 1376, 1377
  - Inventories 1272
  - Research and development 976, 982
  - Sales, shipments, receipts 887, 1044, 1051, 1054, 1265, 1272, 1319
  - Value added 1265
- Aircarft carriers 540
- Airlift and sealift forces 540
- Airline operations (see also Air transportation) 1043, 1044, 1049
- Airmail service 997
- Airports or airfields 523, 1002, 1050
  - Airport and airway trust fund 491
  - City expenditures 471
  - Federal aid to State and local government 451
  - Federal outlays 1002
  - Serving large air traffic areas or hubs 1045
  - Serving regional airlines 1049
- Alabama. See State data.
- Alaska. See State data.
- Alaska purchase 332-334
- Albania. See Foreign countries.
- Alcoholic beverages (see also Liquors and beverages):
  - Consumer expenditures 688, 689
  - Consumption 190, 191, 196, 1287
  - Drinking ages 465
  - Expenditures 710
  - Production 1287
- Aleut population 45
- Alewives, catch 1161, 1165
- Algeria. See Foreign countries.
- Aliens 296-299, 406, 407
  - Admitted 298
  - Border patrol activities 297
  - Criminal violations 298
  - Deported 296-298
  - Violations and prosecutions 298

Table

- Almonds........ 1132
- Altitudes, geographical........ 337
- Aluminum:
  - Foreign trade........ 1184, 1186
  - Mill products, shipments........ 1299
  - Prices........ 767, 1212
    - Export........ 764
  - Production and value........ 1182
    - World........ 1432
  - Recycling........ 350
- American College Testing Program........ 236
- American Federation of Labor (AFL)........ 682
- American Indian, Eskimo, Aleut population........ 45
- American Revolution, cost........ 537
- American Samoa. See Outlying areas of U.S.
- American Stock Exchange........ 826
- American wars, cost........ 527
- Amtrak........ 1037
- Amusements and recreational services:
  - Advertising expenditures........ 924
  - Earnings........ 1347
  - Employees........ 409, 645, 647, 1323, 1347
  - Establishments........ 377, 1339, 1347
  - Finances........ 1346, 1349
  - Gross national product........ 680, 1322
  - Occupational safety........ 681
  - Sales, shipments, receipts........ 378, 409, 1339, 1344, 1348
  - Starts and failures........ 865
- Ancestry........ 48
- Anchovies, imports........ 1161, 1163, 1172
- Anesthesiologists........ 152
- Angola. See Foreign countries.
- Animal oils and fats. See Oils, animal.
- Animals, domestic (see also individual classes):
  - Grazing, national forests........ 1141
  - Inventory and production........ 1135, 1136
  - Number and value on farms........ 1136
  - Producer price indexes........ 753, 755, 756
  - Productivity, farms........ 1110
  - Work animals, horsepower of........ 925
- Annuities. See Pensions and retirement benefits.
- Antimony, production and supply........ 1177, 1186
- Apparel and accessory stores, retail:
  - Earnings........ 657
  - Employees........ 657, 1325, 1326
  - Establishments........ 1325, 1326
  - Inventories........ 1331
  - Sales........ 1325, 1329, 1330, 1337
- Apparel and other textile products, manufacturing:
  - Earnings........ 657, 1393, 1394
  - Employees........ 646, 657, 1393, 1394
  - Energy consumption........ 940
  - Gross national product........ 1391
  - Foreign trade........ 1282-1285
  - Occupational safety........ 681
  - Productivity........ 658
  - Profits........ 894
  - Sales........ 894
- Apparel goods:
  - Advertising........ 921-923
  - Consumer expenditures........ 758
  - Foreign trade........ 1376, 1377
- Appeals, U.S. courts of, cases........ 306
- Apples........ 194, 195, 1096, 1132
- Appliances, household:
  - Homes with........ 1249
  - Import........ 1320
  - Shipments, manufactures........ 1321
- Appliances, household, manufacturing:
  - Capital........ 1315
  - Earnings........ 657, 1265
  - Employees........ 657, 1265
  - Establishments........ 1265
  - Inventories........ 1272
  - Productivity........ 658
  - Sales, shipments, receipts........ 1265, 1272, 1315, 1321
  - Value added........ 1265
- Apricots........ 1132
- Archery........ 379
- Architectural services. See Engineering and architectural services.
- Area of:
  - Foreign countries........ 1401, 1403
  - Forest land........ 1140, 1143, 1144
  - Outlying areas of U.S........ 331, 332
  - Parks........ 371-373, 376
  - United States........ 1, 331, 1403
    - Cities........ 39
    - Land........ 1
    - Public domain........ 334, 335
    - Territorial expansion........ 332

Table

- Area of—Continued
  - United States—Continued
    - Water........ 1, 331, 339
  - World........ 1403
- Argentina. See Foreign countries.
- Arizona. See State data.
- Arkansas. See State data.
- Armed Forces........ 540, 544-546, 548-551, 552, 553, 555
  - Foreign countries........ 1450
- Arms exports and imports........ 535
- Army personnel........ 544, 548, 549, 551
  - Reserve Officers Training Corps........ 550
- Army divisions........ 540
- Arrests (see also Law enforcement)........ 292-294
- Arson........ 293, 294, 330
- Arteriosclerosis, deaths........ 117, 120
- Arthritis and rheumatism........ 183, 184, 186
- Arts and humanities:
  - Activities........ 396
  - Aid to........ 398-400
  - Attendance........ 397
  - Business support........ 398
  - Federal aid........ 399
  - Grants, foundations........ 618
  - Philanthrophy........ 616
  - State appropriations........ 400
- Asbestos........ 1177, 1182, 1186
- Asia. See Foreign countries.
- Asian and Pacific Islander, Eskimo and Aleut population... 45, 89
- Asian population........ 45
- Asian Indian population........ 45
- Asparagus........ 1131
- Asphalt, production and value........ 1177
  - Producer price indexes........ 1219
- Assault........ 280, 285, 287
- Associations, national, nonprofit........ 82
- Asthma........ 118, 119, 164
- Athletic associations........ 82
- Athletic goods. See Sporting and athletic goods.
- Atomic energy defense activities, expenditures........ 527
- Audio and video equipment........ 385, 1320, 1321
- Audio and video equipment, household, manufacturing........ 657
- Auditing. See Accounting, auditing, and bookkeeping.
- Australia. See Foreign countries.
- Austria. See Foreign countries.
- Automated teller machines........ 819
- Automobile loans........ 815, 816
- Automobile rentals and leasing. See Automotive repair, services, and parking.
- Automobiles (see also Motor vehicles):
  - Cost of ownership........ 1030
- Automotive dealers and service stations:
  - Earnings........ 1325, 1326, 1339, 1393
  - Employees........ 1325, 1326, 1339, 1393
  - Establishments........ 1325, 1326, 1339
  - Inventories........ 1331
  - Sales........ 1329, 1330
- Automotive repair, services, and parking:
  - Earnings........ 657, 681, 1346, 1347, 1393
  - Employees........ 645, 656, 657, 1323, 1346, 1347, 1393
  - Establishments........ 1339, 1346, 1347
  - Gross national product........ 686, 1322
  - Productivity........ 658
  - Receipts........ 1346, 1348, 1353
  - Starts and failures........ 865
- Automotive products. See Motor vehicles, tires and tubes, etc.
- Aviation communication, private radio stations........ 906
- Avocados........ 1132

B

- Bahamas, The. See Foreign countries.
- Bahrain. See foreign countries.
- Bakeries, retail........ 1325, 1326, 1347
- Bakery products, manufacturing. See also Food and kindred products.
- Balance sheet, corporate business (see also individual industries)........ 853, 854
- Ballet........ 396
- Bananas........ 196, 1120, 1132
- Bangladesh. See Foreign countries.
- Bankruptcies filed and pending........ 866, 867
- Banks, commercial:
  - Assets and liabilities........ 790, 795-798, 802
  - Automated teller machines........ 819
  - Checking accounts........ 818, 819

Table

Banks, commercial—Continued
  Closed banks, financial difficulties........ 799
  Consumer credit........ 815
  Credit cards........ 817
  Delinquency rates, repossessions, loans........ 816
  Demand deposits........ 799, 800
  Earnings........ 657, 783
  Electronic fund transfers........ 819
  Employees........ 656, 657, 782, 783
  Establishments........ 783, 790, 792-795, 797-802
  Federal Reserve Banks........ 790, 791, 793
  Finances... 784, 785, 788-792, 795-803, 808-811,824, 821, 825, 1090
  Flow of funds........ 786, 788
  Foreign banking offices in United States........ 800
  Foreign lending........ 803
  Gross national product........ 686, 781
  Individual Retirement Accounts........ 582
  Insured banks........ 790, 802, 825
  Interest rates........ 815, 825
  Occupational safety........ 681
  Profits........ 791, 798, 804
  Robbery........ 284
  Sales, shipments, receipts........ 811, 804
  Savings accounts........ 818
  Savings institutions........ 785
  Stock and bond prices and yields........ 826
  Time (or savings) deposits........ 704, 825
Barbados. See Foreign countries.
Barber shops:
  Earnings........ 1346
  Employees........ 1346
  Establishments........ 1346
  Receipts........ 1346
  Productivity........ 658
Barite........ 1177, 1182
Barium........ 1186
Barley........ 1400
Bars. See Eating and drinking places.
Baseball........ 379, 386, 388, 389
Basketball........ 379, 386, 388, 389
Battlefield parks and sites, national........ 372
Battleships........ 540
Bauxite........ 1176, 1177, 1182, 1211
  Foreign trade........ 1211
  Import prices (crude)........ 764
  Mining industry........ 1176, 1177, 1182
    Production and value........ 1177, 1182
  Production, world........ 1432
Beans:
  Acreage and production........ 1131
  Consumption (dry edible)........ 195
Beauty shops:
  Earnings........ 1346, 1347
  Employees........ 1346, 1347
  Establishments........ 1346, 1347
  Productivity........ 658
  Sales, shipments, receipts........ 1348
Beef (see also Meat and meat products):
  Consumer expenditures........ 689
  Consumption........ 194, 1416
  Foreign countries........ 1416
  Foreign trade........ 1133
  Prices, import and retail........ 769
  Production........ 1133
Beer. See Malt liquors.
Belgium. See Foreign countries.
Belize. See Foreign countries.
Benin. See Foreign countries.
Beryllium concentrate........ 1177
Beverages, manufacturing:
  Earnings........ 657, 1285
  Employees........ 656, 657, 1285, 1286
  Establishments........ 1285
  Foreign trade........ 1287
  Sales, shipments, receipts........ 1285, 1286
  Value added........ 1285, 1286
Beverages (see also Alcoholic beverages):
  Advertising expenditures........ 922, 923
  Beer........ 1287
  Consumption........ 194, 196, 1287
  Expenditures........ 709, 1414
  Foreign trade........ 1287
  Production........ 1287
  Whiskey........ 1287
  Wine........ 1287
Bhutan. See Foreign countries.
Bicycles:
  Expenditures, personal........ 379
  Imports and shipments........ 387

Table

Bicycles—Continued
  Participation........ 388, 389
  Theft........ 284
Bicycling........ 389
Billiards........ 379
Biological sciences:
  Degrees conferred........ 271, 969
  Employment........ 967
Birth and birth rates........ 5, 16, 83, 85-101
  American Indian, Eskimo, and Aleut population........ 89
  Asian and Pacific Islander population........ 89
  Births to single or unmarried women........ 89, 91, 95, 99
  Birth weight........ 89, 90, 94
  Black population........ 89, 90, 98
    Projections........ 15
  Breastfeeding........ 92
  Cesarean section deliveries........ 91
  Characteristics of mother........ 91, 96-99
  Children ever born........ 95
  Delivery procedures........ 165
  Expectations........ 100, 101
  First births........ 95-97
  Hispanic population........ 89
  Metropolitan areas........ 84
  Outlying areas of U.S........ 1361, 1365
  Prenatal care........ 89, 90
  Projections........ 15
  Race........ 88, 93, 99
Birth weights........ 89, 90, 94
Black lung benefits program........ 571, 591
Black population........ 18, 209
  Abortions........ 103-105
  Age and/or sex........ 17-19, 21, 44
    Projections........ 17
  AIDS........ 180
  Alcohol use........ 190
  Arrests........ 292
  Birth and birth rates........ 15, 85-89, 90, 96, 99-101
    Births to single women........ 89
    Expectations........ 100, 101
  Black-owned firms........ 870
    Wealth........ 746, 747
  Cancer........ 189
  Children under 18........ 71
    Poverty........ 735, 736, 738
  Chronic conditions........ 184, 187
  Cigarette smoking........ 190
  Components of population change........ 15
  Contraceptive use........ 102
  Criminal victimizations........ 286, 289
  Deaths and death rates... 15, 109-111, 113, 116, 118, 120, 125
  Disability days........ 175
  Disabled persons........ 592
  Discretionary income........ 719
  Elderly........ 736, 737
  Elected officials........ 429
  Employment status:
    High school graduates and dropouts........ 243
  Families, characteristics........ 67-69
  Family income........ 720
    Educational attainment........ 724
  Federal employees, by pay category........ 521
  Fertility, fertility rate........ 96
  Health insurance coverage........ 148
  Homicides........ 282
  Hospital use........ 167
  Household income........ 711-716, 718
  Households, characteristics........ 61, 62, 72
  Housing........ 1243-1247, 1250, 1251
  Illness........ 182
  Immigration........ 15
  Income........ 711, 714, 723, 728
  Infant deaths........ 113, 116
  Jail inmates........ 317
  Labor force........ 621
    Earnings........ 666, 667
    Employed........ 633, 642, 643, 645
    Employment status........ 620, 651
      Age........ 625
      Educational attainment........ 635
      Government employees and salaries, State and local government........ 491
      Minimum wage workers........ 665
      School enrollment, persons 16 to 24 years old........ 636
      Unemployed........ 647
        By educational attainment........ 649
  Life expectancy........ 106, 107, 109
  Marital status........ 53, 54

Table
Black population—Continued
  Mortgages ... 1247
  Motor vehicles available ... 1250
  Multimedia users ... 901
  Nursing homes ... 171
  Physicians, visits to ... 153
  Poverty ... 44, 734-740
  Prisoners ... 324, 325
  Projections ... 15
  Recreation activities ... 392, 396
  Religious television viewing ... 80
  School dropouts, high school ... 241, 243
  Schools and education:
    American College Testing Program ... 211-216, 238
    Attainment ... 211, 214-216, 242
      By age ... 211, 213, 215
    College enrollment ... 245, 246
    Enrollment ... 206
      Preprimary enrollment ... 208, 209
    Higher education institutions:
      Degrees conferred ... 269
      Enrollment ... 206, 235, 245, 246, 249
      Employed students ... 252
    High school dropouts ... 241, 243
    High school graduates ... 242, 245
    Scholastic Aptitude Test ... 237
  States ... 28, 31
  Suicides ... 125
  Union membership ... 684
  Voter registration ... 438
  Wealth ... 746, 747
Blast furnace and basic steel products. See Iron and steel products.
Blind persons ... 185, 604, 606
  Medicaid recipients ... 599
Blouses, women's and misses', production ... 1294
Blue-collar workers ... 515
  Employment cost index ... 669
Blue Cross-Blue Shield plans, persons covered ... 147
Bluefish ... 1163
Boating, canoeing, etc ... 374, 379, 387, 388
  Accidents ... 1001
Bolivia. See Foreign countries.
Bolts, nuts, etc. See Iron and steel products.
Bombers ... 540
Bonds:
  Foreign, U. S. purchases and sales of ... 827, 828
  Holdings by sector (flow of funds) ... 784, 786
  Life insurance companies ... 836
  Prices, yields, sales, and issues ... 502, 824, 826, 832
  U. S. savings ... 497, 502, 704, 1089
Bonito ... 1161
Bookkeeping. See Accounting, auditing and bookkeeping.
Books (see also Printing and publishing, and Libraries):
  Audience characteristics ... 381
  Foreign trade ... 382
  Prices ... 383
  Sales ... 377, 380
Boots. See Footwear.
Boron minerals ... 1177
Botulism ... 177
Bowling ... 379, 387, 389
Boy Scouts, membership and units ... 395
Brazil. See Foreign countries.
Bread. See Bakery products.
Breast-feeding ... 92
Broadcasting stations. See Radio and television broadcasting.
Broadway and off-Broadway shows ... 397
Broccoli ... 1131
Broilers, production (see also Poultry) ... 1138
Bromine, production and value ... 1177
Bronchitis, emphysema, etc., deaths ... 117-119, 164, 1407
Budget, Federal:
  Outlays ... 489, 1002
    Controllability of ... 493
  Receipts, outlays, and debt ... 489, 490, 495
  Revenue losses (tax expenditures) ... 494
  Trust funds ... 492
Building contractors, general:
  Earnings ... 657, 1393, 1395
  Employees ... 657, 1393, 1395
  Establishments ... 1339, 1395
  Occupational safety ... 681
  Sales, shipments, receipts ... 1339, 1395
  Starts and failures ... 865
  Value added ... 1395
Building materials, and garden supplies, retail stores:
  Earnings ... 1325, 1326, 1346, 1347
  Employees ... 1325, 1326, 1346, 1347
Building materials, and garden supplies, retail stores—Continued
  Establishments ... 1325, 1329, 1346, 1347, 1353
  Inventories ... 1331
  Productivity ... 658
  Sales, shipments, receipts ... 1325, 1329, 1337,
Building permits (see also Construction industry, and Housing and housing units) ... 1226
Buildings (see also Construction industry, and Housing and housing units):
  Construction value ... 1222, 1223, 1224
  Energy consumption ... 938, 939
  Energy expenditures ... 938, 939
  Federal ... 522
  Fires and property loss ... 329
  Floorspace ... 938, 939
  Office vacancy rate ... 1259
  Principal activity ... 939
Burglary ... 277-280, 284, 285, 288, 293
Burkina. See Foreign countries.
Burma. See Foreign countries.
Burundi. See Foreign countries.
Buses and bus transportation (see also Passenger transit) ... 409, 998, 1011,
  Accidents/fatalities ... 1020
  Employees ... 409
  Factory sales ... 1013
  Finances ... 1032, 1033
  Intercity operations ... 1033
  Passenger traffic and outlays ... 998, 1000, 1033
  Production and sales ... 1011
  Receipts ... 1032, 1033
Business management, degrees conferred ... 267, 270, 271
  Salary offers ... 265
Business enterprise (see also individual types of business and industry):
  Arts and humanities support ... 398
  Bankruptcies filed ... 866
  Capital stock ... 744
  Economic indicators ... 877, 880
  Corporate inventory valuation adjustment ... 695
  Corporate philanthropy ... 619
  Corporate profits and sales ... 846, 850, 694
  Corporations, partnerships, and proprietorships ... 848-852, 859, 860,
  Cycles ... 881
  Employment, growth, and change ... 845, 861
  Establishments ... 1345, 1353
  Expenditures:
    Plant and equipment, new ... 878
    Research and development ... 972
  Failures and liabilities ... 863
  Finances ... 46, 848-851, 853, 857, 878, 884, 892
  Flow of funds ... 785, 787
  Franchised establishments ... 1338-1340
  Lagging indicators ... 880
  Leading indicators ... 880
  Loans to minority-operated small businesses ... 868
  National income, origin in ... 692
  Patents ... 875, 876
  Pollution abatement expenditures ... 353
  Profits ... 886
  Sales, shipments, receipts ... 886
  Starts and failures ... 865
Business services:
  Earnings ... 657, 1346, 1393
  Employees ... 645, 646, 656, 657, 1279, 1323, 1346, 1347, 1393
  Establishments ... 1339, 1346, 1353
  Finances ... 1349
  Gross national product ... 686, 1322
  Occupational safety ... 681
  Sales, shipments, and receipts ... 1339, 1346, 1348, 1353
Business starts and failures ... 865
Butter (see also Dairy products):
  Consumption ... 194
  Production ... 1134
Butterfish ... 1163

C

Cable and other pay television services ... 900, 909, 910
  Advertising expenditures ... 920
  Receipts ... 910
  Viewing by demographic groups ... 901
Cadmium ... 1182, 1186
Cafeterias. See Eating and drinking places.
Calcium available for consumption ... 198

Table
Calcium-magnesium chloride... 1177
California. See State data.
Calisthenics... 388, 389
Calories consumed per day... 198
Calves... 1096, 1135
Cambodia. See Foreign countries.
Cameras. See Photographic apparatus, etc.
Cameroon. See Foreign countries.
Campaigns, fund raising... 439, 441, 442, 444
Campers (trucks and trailers)... 1016
Camping, picnicking, etc... 374, 375, 379, 388, 389
Canada. See Foreign countries.
Cancer (malignancies)... 117-121, 164, 166
  Deaths... 117-121, 1407
  Foreign countries... 1407
Capacity utilization, index... 1274
Cape Verde Islands, population and area... 1403
Capital (see individual industries):
  Age of stocks... 1240
  Banking... 797, 798
  Expenditures... 356, 357, 878, 1264, 1276
  Stocks... 877, 1240, 1275
  Utilities... 903, 958, 963
Carbon dioxide (natural), production and value... 1177
Cargo tonnage. See Tonnage.
Carpets and rugs. See Floor coverings.
Carrots... 1131
Cash usage... 818
Cashew nuts, import prices... 764
Cassettes... 384, 1309, 1321
Castings and shipments... 1299
Casualties, Vietnam conflict... 547
Catalog and mail order houses:
  Earnings... 1326
  Employees... 1326
  Establishments... 1326
  Sales, shipments, receipts... 1329
Catfish... 1167
Cattle
  Farm... 1096
  Foreign trade... 1377
  Number and value on farms... 1135, 1136
  Prices... 1135
  Production... 1135, 1136
  Productivity... 1110
Cauliflower... 1131
Celery... 1131
Cement (see also Stone, clay, and glass products)... 1177, 1198, 1265
  Foreign trade... 1198
  Prices... 767
    Price indexes... 754, 1219
Center of population... 3
Central America. See Foreign countries.
Cereal and bakery products, expenditures, prices... 709, 710, 760, 110
Cereal consumption, breakfast... 194
Cerebrovascular diseases, deaths... 117-120, 164
  Foreign countries... 1407
Certificated route air carriers... 1043, 1044
Cesarean section deliveries... 91
Chad. See Foreign countries.
Chambers of Commerce... 82
Channel Islands, population and area... 1403
Charitable contributions (see also Philanthropy)... 616
Checking accounts... 818, 819
Cheese (see also Dairy products)... 194, 1134
Chemicals and allied products, manufacturing (see also individual chemicals):
  Capital... 356, 357, 1296
  Earnings... 657, 1265, 1296, 1393
  Employees... 646, 657, 1265, 1270, 1280, 1296, 1394
  Energy consumption... 940
  Establishments... 1394
  Foreign investment in U.S... 1360
  Foreign trade... 1062, 1277, 1282-1285, 1377
  Gross national product... 686, 1391
  Inventories... 1272
  Occupational safety... 681
  Patents... 875
  Pollution abatement... 356, 357
  Producer prices... 764
  Productivity... 681
  Profits... 887, 890, 892, 894
  Research and development... 976, 982
  Sales, shipments, receipts... 1265, 1270, 1272, 1296, 1394
  Starts and failures... 865
  Value added... 1296
Chemistry (see also Physical sciences):
  Degrees conferred... 267

Table
Chemistry (see also Physical sciences)—Continued
  Employment... 967
  Nobel prize laureates... 990
  Salary offers... 224
Cherries... 1132
Chicken pox... 177
Chickens. See Poultry.
Child abuse, neglect... 290, 291
Child care... 613, 673
Child support... 609, 610
Children (see also Population and Vital statistics):
  Adoption... 612
  Age and/or sex... 13, 16, 21, 30
    Projections... 16, 30
  Aid, social welfare programs... 565, 566, 570, 605
  AIDS... 180
  Alcohol use... 191
  Asthma, bronchitis, emphysema... 164
  Child abuse... 290, 291
  Child day care... 613, 673
  Child support... 610
  Chronic conditions... 183
  Days lost from school... 175
  Dependent and neglected, in institutions... 76
  Diabetes... 183
  Divorce, involved in... 132
  Drug use... 191
  Families with... 64, 68, 70
  Farm families... 1076
  Farm population... 1077
  Health insurance coverage... 146
  High school dropout... 241
  Hispanic origin population... 16, 20
  Hospital use... 161, 167
  Immigrants... 9
  Illness/injury... 182
  Injuries... 176
  Juvenile delinquency... 315, 316
  Labor force (16 to 19 years old):
    Employed... 625 626
      Multiple jobholders... 633
    Employment status... 625
      Enrollment in school... 636
    Participation rates:
      Sex, marital status... 637
    Race... 625, 629
    Minimum wage workers... 675
    Sex... 621, 624, 625, 629
    Unemployed... 625, 629, 647
  Mobility status... 25
  Mothers in the labor force, by age of children... 639
  Old-age, survivors, disability, and health insurance benefits... 571
  Orphans... 611
  Pneumonia... 164
  Poverty... 735, 738, 743
  Projections... 16, 30
  Respiratory infection, acute... 164
  School enrollment... 199, 203-210, 218, 221
    Preprimary school enrollment... 208, 209
    Projections... 199, 203, 223
  Social Security beneficiaries and payments... 578
  Stock ownership... 833
  Tonsils and adenoids, chronic disease... 164
  Under 18, by presence of parents... 71
Chile. See Foreign countries.
Chiropractors' offices... 1347
Chocolate. See Cocoa and Confectionery products.
China. See Foreign countries.
Chinese population... 45
Chromite... 1216, 1432
Chromium... 1186, 1217
Churches:
  Attendance... 77
  Building permit value... 1226
  Construction value... 1222, 1224
  Grants, foundations... 618
  Number and membership... 77, 78
Cigarettes (see also Tobacco products):
  Production... 1270
  Smokers and use... 190-192
  Taxes, excise... 461
Circulation of newspapers and periodicals... 900, 914, 915
  Foreign countries... 1420
Cirrhosis of liver, deaths... 117-119
  Foreign countries... 1407
Cities:
  Climate... 359-369
  Consumer price indexes... 761, 770, 774, 776
  Crime... 278, 280

Table
Cities—Continued
  Debt ... 471
  Employees, earnings, payrolls ... 486, 487
  Finances of city governments ... 471-474
  Governmental units ... 467, 469
  Income per capita ... 732
  Officials elected ... 429
  Population ... 38, 39
    Black ... 39
    Foreign countries ... 1406
    Hispanic ... 39
  Property tax rates ... 476
  Taxes paid, by family income level ... 475
  Women public officials ... 430
Citizens:
  Arrivals and departures ... 405
  Naturalized ... 47
Citrus fruits:
  Consumption ... 194-196
  Production ... 1132
Civil aviation. See Air transportation.
Civil cases:
  U.S. District Courts ... 306
    Product liability cases ... 306
Civil service employees. See Government.
Civil War, cost ... 537
Clams ... 1161, 1163, 1166, 1167, 1169
Clay products (see also Stone, clay, and glass products):
  Mining ... 1176, 1177
Clergymen, pastors with charges ... 79
Climate, selected cities ... 359-369
  Precipitation ... 364-366
  Temperature ... 359, 363, 367
Clocks and watches. See Instruments and related products.
Coal (see also Petroleum and coal products and Coal mining):
  Car loadings ... 1038
  Consumption ... 926, 927, 929, 931, 966, 1379
    Electric utilities ... 952, 954
  Expenditures ... 932, 933
  Foreign trade ... 945, 1184, 1196, 1197, 1371, 1376
  Prices ... 763, 764, 767, 941, 1181, 1196
  Production ... 1177, 1182, 1196, 1400
  Public land leases ... 525
Coal mining:
  Capital ... 1176
  Earnings ... 657, 1176
  Employees ... 657, 1176, 1180, 1196
  Establishments ... 1176
  Gross national product ... 1174
  Occupational safety ... 681
  Output ... 927, 929, 1175, 1177, 1182, 1196
    Foreign ... 1432-1434
    World ... 1400, 1432
  Productivity ... 658
  Sales, shipments, receipts ... 1176
Coast Guard personnel ... 546, 548
Coastal population ... 34
Cobalt ... 767, 1177, 1186, 1205
Cocaine use ... 191
Cocoa:
  Consumption ... 194
  Foreign trade ... 1120, 1377
  Prices, import ... 764, 1165
Cod ... 1161, 1163, 1165, 1166, 1169, 1172
Coffee:
  Consumption ... 194, 196
  Foreign trade ... 1120, 1371, 1377
  Prices ... 764
  Production, world ... 1400
Coffeemakers, automatic ... 1321
Coke (see also Coal) ... 767
  Car loadings and freight carried ... 1038
  Coke ovens, persons employed ... 1185
Collective bargaining settlements ... 676-678
    State and local governments ... 493
Colleges and universities. See Education, higher education institutions.
Colombia. See Foreign countries.
Colorado. See State data.
Columbium-tantalum ... 1182, 1186
Commerce:
  Domestic, by rail ... 1038
  Domestic by water ... 1060, 1062
  Foreign. See Foreign trade.
  Intercoastal ... 1066
Commerce and housing credit ... 490
Commercial buildings:
  Builders ... 1216

Table
Commercial buildings—Continued
  Building permit value ... 1226
  Construction ... 1226
  Construction value ... 1222, 1224
  Cost of construction ... 1220
  Energy characteristics ... 1260-1262
  Floor space ... 1224, 1260-1262
  Inventory ... 1260-1262
  Vacancy rates ... 1259
Commercial printing. See Printing and publishing industries.
Commodities. See individual types of commodities.
Commodity Credit Corporation ... 1096, 1101, 1102
Commodity futures trading ... 835
Communications:
  Degrees conferred ... 267, 270
Communications equipment, manufacturing ... 1265, 1315
  Capital ... 1315
  Earnings ... 657, 1265
  Employees ... 657, 1265
  Establishments ... 1265
  Inventories ... 1272
  Sales, shipments, receipts ... 902, 1265, 1272, 1315
Communications industry (see also Telephone, Television and Radio):
  Capital ... 878
  Earnings ... 657, 680, 695
  Employees ... 646, 657
  Finances ... 856
  Foreign countries ... 1420
  Gross national product ... 686
  Occupational safety ... 681
  Productivity ... 658
  Profits ... 848, 849, 856, 889
  Sales, shipments, receipts ... 848, 849, 856, 889, 902
  Starts and failures ... 865
Community development:
  Federal aid to State and local government ... 451
  Federal budget receipts and outlays ... 490
Commuter/regional airlines operations ... 1049
Comoro Islands, population and area ... 1403
Compact disk players ... 394, 1321
Computer (see also Computer and office equipment):
  Advertising expenditures ... 921, 923
  Sales ... 1308, 1309
  Use ... 223, 231, 232, 274, 1308
Computer and data processing services:
  Advertising expenditures ... 921, 923
  Earnings ... 657
  Employees ... 646, 657, 1346, 1347
  Establishments ... 1346, 1347
  Sales, shipments, receipts ... 1346, 1348
Computer and office equipment, manufacturing ... 1303, 1312
  Earnings ... 657, 1346, 1347
  Employees ... 645, 646, 657, 1346, 1347
  Establishments ... 1346, 1347
  Foreign trade ... 1376, 1377
  Profits ... 894
  Sales, shipments, receipts ... 894, 1303, 1312, 1346, 1348, 1352
Computer science:
  Degrees conferred ... 267-270
  Employment ... 983-985
    Salary offers ... 224, 265
  Federal obligations for research ... 977
  Graduate students ... 988
Computer use by students ... 231, 232, 253
Concerts, symphony orchestras ... 399
Concrete products (see also Stone, glass and clay):
  Prices ... 764
Condensed and evaporated milk ... 194, 1134
Condominiums ... 1229, 1254
Confectionery products:
  Advertising expenditures ... 923, 924
  Consumption ... 194
Confectionary manufacture. See Food and kindred products.
Conglomerates ... 867
Congo. See Foreign countries.
Congress of Industrial Organizations (CIO). See AFL-CIO.
Congress, U.S.:
  Bills, acts, resolutions ... 419, 420
  Black members ... 423, 429
  Campaign finances ... 439, 440, 443, 444
  Composition ... 418, 421
  Congressional districts, candidates, votes cast ... 416
  Members, characteristics ... 423
  Representatives, vote cast ... 415-417, 433, 436
  Senators, vote cast ... 414, 416
  Seniority ... 423

Table

Congress, U.S.—Continued
  Staff 424
  Time in session 419
  Women members 423
Connecticut. See State data.
Construction equipment 1376
Construction industry (see also Building materials and Highways):
  Building authorized 1227
  Building permits, value 1226, 1227
  Capital 877
  Collective bargaining settlements 676
  Construction contracts 860, 1224, 1225, 1257
  Cost 1220
  Earnings 655, 657, 660, 661, 1393, 1395, 1399
  Employees... 645, 646, 650, 655-657, 860, 1218, 1393, 1395, 1399
  Establishments 848, 849, 852, 860, 1218, 1395, 1399
  Finances 848, 855, 856
  Gross national product 686, 698, 1390, 1391
  Nonresidential building projects 1223
  Occupational safety 680, 681
  Producer price indexes 1219
  Profits 848, 869, 894
  Residential 1227-1231
  Sales, shipments, receipts.... 848, 869, 894, 1218, 1395, 1399
  Starts and failures 865
  Unions 684
  Value added 1221-1223, 1395
Construction machinery, manufacturing 1265
  Earnings 657, 1265
  Employees 657, 1265, 1314
  Establishments 1265
  Inventories 1272
  Producer prices 755
  Producer price indexes 754
  Sales, shipments, receipts 1265, 1272, 1314
  Value added 1265
Construction materials. See Building materials.
Consumer:
  Cooperatives 862
  Credit 784, 786, 814, 821
  Debt outstanding 813, 814
  Delinquency rates 816
  Electronics 384, 385
  Expenditures 695, 708, 709
    Alcoholic beverages 708, 709
    Books 380
    Entertainment 378
    Food 708, 709, 1104
    Housing 708
    Medical care 137-140, 145, 708
    Reading material 378
    Sporting goods 379
    Transportation 708
  Safety, Federal expenditures 142
Consumer price indexes 748, 761, 763, 774
  By commodity group 756-760, 1425
  Foreign countries 762, 1424, 1425
  Purchasing power of the dollar 748
  Year-to-year changes 662, 749
Consumption. See individual commodities.
Containers. See Paper and allied products.
Continents, population and vital statistics 1402-1404
Contraceptive use 102
Convenience stores 1339
Cooking oils consumption 194
Cooling degree days 369
Cooperatives:
  Consumer 862
  Farm 862, 1105
Copper 1176, 1177, 1181, 1182, 1184, 1186, 1204
  Brass mill products 1299
  Foreign trade 1184, 1204, 1376, 1377
  Mining industry 658, 1176, 1177, 1182, 1204
  Prices 767, 1181, 1204
    Foreign trade 764
  World production 1432
Copyrights registration 917
Corn:
  Acreage 1121, 1124
  Commodity Credit Corporation transactions 1101
  Consumption 194
  Foreign trade 1114, 1115, 1396, 1426
  Price supports 1123
  Prices 764, 1121, 1124
  Production 1114, 1115, 1121, 1124, 1131
  Productivity, farm 1110
  Supply and disappearance 1121
Corporate business 853, 895

Table

Corporations:
  Assets 786, 854
  Capital 854, 887
  Compensation 889
  Dividend payments 889
  Establishments 847, 859
  Finances 854, 856, 857, 885, 887
  Foreign ownership, by industry 893
  Interest 882
  Inventories 881
  Manufacturing 884
  Nonfinancial 857, 895
  Philanthropy 615, 920
  Profits 692, 846, 848, 886-888, 892, 894, 1289
  Receipts 846, 848, 850, 856
  Sales 885-887, 894, 1289
  Stocks and bonds 824
  Taxes:
    By industry 855
    Corporate income tax 448, 850, 886
    Returns 854
    State tax collections 461
Correctional institutions (see also Prisons and prisoners) 76
  Employees 301, 302
  Expenditures 301, 302
  Juveniles 316
  Prisoners 318-320
Cosmetics, perfume, etc. See Toilet preparations.
Costa Rica. See Foreign countries.
Cost-of-living indexes. See Consumer price indexes, and Prices.
Costume jewelry and notions, manufacturing:
  Earnings 657, 1265
  Employees 657, 1265
  Establishments 1265
  Sales, shipments, receipts 1265
  Value added 1265
Cotton:
  Acreage 1121, 1127
  Commodity Credit Corporation transactions 1101, 1102
  Consumption 1291
  Export prices (upland) 764
  Farm marketings 1096
  Foreign trade 1114, 1115, 1117, 1121, 1122, 1292, 1376
  Government payments to farmers 1097
  Price supports 1120
  Prices 1121, 1127
  Production 1105, 1113-1115, 1121
    World 1400
  Productivity, farm 1110, 1111
  Supply and disappearance 1121
County governments 468-470
  Finances 470
  Population by size-group 469
  Women public officials 431
Courts 305-311, 315
  Appeals courts, U.S. 306
  District courts, U.S. 307-311
  Juvenile court cases handled 315
  Public officials, prosecutions 312
  Supreme Court, U.S. 305
Cows 1110, 1134, 1136
Crabs 1161, 1163, 1166, 1169
Cranberries 1132
Credit cards 815, 817, 818
Credit markets, Federal participation 500
Credit unions 785, 790, 814, 862
  Establishments 790, 804
  Finances 790, 804, 814
  Individual Retirement Accounts 582
Crime (see also Criminal victimization and Law enforcement):
  Arrests 292, 294
  Arson arrests 294
  Assault 277-280, 285, 286
    Elderly 286
  Average value lost 284
  Burglary 277-280, 284
  Child abuse and neglect 290, 291
  Drug abuse violations 311
  Homicides, race and sex 282
  Immigration violations 296
  Larceny-theft 277-280, 284
    Elderly 286
  Motor vehicle theft 278-280
  Murder, murder circumstances 279, 281
  Police officers assaulted, killed 285
  Property crime 277-280
  Rape, forcible 283, 287
  Robbery 279-284

Table

Crime (see also Criminal victimization and Law enforcement)—Continued
  Robbery—Continued
    Households 289
  Shoplifting 284
  Violent crime 277-281, 285
Criminal victimization 282, 285-289
  Elderly 286
  Households 289
Croaker 1163
Crops (see also Farms and individual crops):
  Acreage 1121
  Foreign trade 1121
  Prices 1121
  Production 1121
  Supply and disappearance 1121
Crude materials:
  Foreign trade 1371, 1375
    Commodities 1371, 1377
  Indexes 753
  Production 1400
Cuba. See Foreign countries.
Cuban population. See Hispanic origin population.
Cucumbers 1131
Cultural associations 82
Currency:
  Commodity futures trading 835
  Foreign exchange rate 1442, 1443
  Personal saving component 696
  Supply 821
Cusk, imports 1172
Customs outlays 490
  Duties and percent of value 1376
Customs regions, imports and exports 1373
Cutlery, hand tools, hardware manufacturing 657, 1265
Cyclones 358
Cyprus. See Foreign countries.
Czechoslovakia. See Foreign countries.

D

Dairy products (see also individual products):
  Commodity Credit Corporation transactions 1101, 1102
  Consumer expenditures 1104
  Consumption 194, 196
  Farm marketings 1096, 1134
  Foreign trade 1120, 1376
  Prices 1134
  Production 1113, 1134
  Sales 1134
Dairy products manufacturing. See Food and kindred products.
Data processing services. See Computer and data processing services.
Dates 1132
Deaf persons 18
Deaths and death rates (see also Accidents and fatalities):
  Age and sex 109, 111, 118, 121, 122, 1408
  Black population 110, 111, 116, 118, 119, 123
  Cancer 120, 121
    Foreign countries 1407
  Cause 115, 117-124, 1001, 1019, 1037, 1044
    Foreign countries 1407
  Components of population change 1381
  Heart disease 117-120, 122
  Fetal and neonatal 113, 114
  Foreign countries 1407, 1408
    Heart disease 1407
  Industrial 680
  Infant 113, 114-116
  Maternal 113
  Metropolitan areas 84
  Outlying areas of U.S. 1385
  Projections 15, 16
  Race 110-112, 116
  Summary 83
Debits to demand deposit 820
Debt (see also Loans and mortgages):
  Cities 471-474
  City governments 471
  County governments 470
  Farm 1090, 1091, 1099
  Federal Government 445, 489, 496, 508
  Foreign countries 1445, 1446
  Interest paid 447
  Local governments 446-455
  State and local government 445, 453, 455, 457, 458
    Highways 1010
  State government 445, 455, 460

Table

Defense, Department of (see also Army, Navy, and Air Force):
  Airlift and sealift forces 540
  Budget outlays 495, 526
  Contract awards, by States 532
  Employees, civilian 532
  Expenditures 527-529, 532
    Health and medical care 136, 137, 141
    Research and development 530
    Space program 991
  Funds available and outlays 528
  Manpower, by branch 543
  Military personnel 543
  Military retirees 543
  Property, real and personal 522
Degrees conferred (see also individual field) 266-270
  Salary offers 224, 265
Dehumidifiers 1249, 1321
Delaware. See State data.
Denmark. See Foreign countries.
Dental care 153
Dental insurance 147
Dentists 149, 151, 642
  Charges and expenditures for 136, 137, 140, 144
  Degrees conferred 149, 268
  Dental schools, students, and graduates 149
  Expenditures 143
  Medical payments 599
  Offices 1346-1348
  Visits to 153
Department stores:
  Advertising expenditures 920, 924
  Earnings 1325, 1326
  Employees 1325, 1326
  Establishments 1325, 1326
  Inventories 1331
  Sales 1325, 1328-1331, 1334, 1337
Deposits. See banks.
Detective and protective services 1346-1348
Diabetes 117-120, 133, 187
Diagnostic procedures 165
Diamonds, imports 1164, 1377
  World production 1432
Diatomite 1177
Diphtheria 177
Direct mail advertising expenditures 990
Disability 175
  Bed-disability days 175
  Benefits paid 566
  Compensation and allowances 561
  Days lost from work, school 175
  Veterans 558, 561
Disability Insurance Trust Fund (Social Security) 492, 577, 605
Disabled persons:
  Characteristics 592
  Medicaid recipients 592, 599
  Public assistance 592, 605
  Vocational rehabilitation 593
Disasters (tornadoes, floods, etc.) 358
Discharges, military 552
Discount rates, Federal Reserve Bank of New York 823
Diseases 177, 183, 184
  Deaths from 117-120
Dishwashers 1249, 1321, 1417
Disposable personal income (see also Income and National income) 690, 699
  Per capita 690
District Courts, U.S. 308-310
  Cases commenced, cases terminated 308-310
  Civil cases 306-307
  Criminal cases 307
  Trials 309
District of Columbia. See State data.
Dividends:
  Corporation 888, 1265
  Individual income tax returns 461, 509
  National and/or personal income components 691, 695
  Railroad stock 1037
Divorce. See Marriage and divorce and Marital status.
Doctors, M.D.'s. See Physicians.
Dog racing, greyhound 386
Domestic service:
  Earnings 664
  Employees 1323
  Gross national product 686, 1322
Dormitory population 76
Dresses, manufacture 1294
Drinking places. See Eating and drinking places.
Driving while intoxicated 293, 1023
  Fatal accidents, by age 1024

Table

- Drug stores and proprietary stores:
  - Earnings ... 1325, 1326
  - Employees ... 1325, 1326
  - Establishments ... 1325, 1326
  - Inventories ... 1331
  - Productivity ... 658
  - Sales, shipments, receipts ... 1325, 1329-1331
- Drugs (illegal):
  - Arrests ... 293, 297
  - Court cases ... 310, 311
  - Enforcement activities ... 297, 299
  - Usage ... 191
- Drugs and medicines:
  - Accidental poisonings ... 124
  - Advertising expenditures ... 921, 924
  - Consumer price indexes ... 760
  - Expenditures for ... 137, 138, 140, 145
  - Medicaid payments ... 142
  - Nonprescription, expenditures ... 709
- Drugs, manufacturing:
  - Earnings ... 657, 1265
  - Employees ... 657, 1265
  - Establishments ... 1265
  - Foreign trade ... 1376
  - Producer prices ... 764
  - Sales, shipments, receipts ... 1265
- Drunk driving ... 1023, 1024
  - Arrests ... 293, 1023
- Dryers, clothes ... 1249
- Dutiable imports and duties ... 1378
- Dwellings. See Housing and housing units and Households or families.

E

- Earnings:
  - Agriculture, forestry, fisheries ... 858
  - Collective bargaining settlements ... 676-678
  - College faculty ... 263
  - College graduates, starting salaries ... 224, 265
  - Construction industry ... 858, 1218
  - Employment covered by social insurance ... 572, 573, 575, 588
  - Family type ... 667
  - Finance, insurance, real estate ... 858
  - Government employees:
    - Federal ... 513, 514, 518
    - State and local ... 481
  - Income tax returns (reported totals) ... 506, 509
  - Industry ... 655, 657, 659-663, 666
  - Metropolitan areas ... 665
  - Minimum wage workers ... 674, 675
  - Municipal employees ... 486, 488
  - National income components ... 691
  - Occupations ... 666, 668
  - Personal income ... 695
  - Physicians ... 155, 157
  - Public school teachers ... 218, 223, 224
  - Railroads ... 1037
  - Seamen ... 1069
  - States ... 664
  - Telephone systems, employees ... 903, 904
  - Union members ... 684
- Earth sciences, employment ... 987
- Eating and drinking places:
  - Earnings ... 657, 1325, 1326, 1393
  - Employees ... 646, 657, 1325, 1326, 1393
  - Establishments ... 1325, 1326, 1339
  - Franchises ... 1339
  - Inventories ... 1331
  - Productivity ... 658
  - Sales, shipments, receipts ... 409, 1325, 1326, 1329
- Economic assistance ... 1366, 1368
- Economic growth rates ... 687, 705-707
  - Foreign countries ... 1412
- Economic indicators ... 880-882
  - Foreign countries ... 707, 882
- Economics:
  - Degrees conferred ... 271, 989
  - Employment ... 983, 984, 987
- Ecuador. See foreign countries.
- Education:
  - Adult education:
    - Courses taken and reason, by sex ... 276
    - Participation characteristics ... 275
  - American College Testing (ACT) Program ... 238
  - Attainment ... 41, 44, 211-216, 242, 244, 246, 740, 746, 747
    - American Indian, Eskimo, Aleut population ... 45
    - Asian and Pacific Islander population ... 45

Table

- Education—Continued
  - Attainment—Continued
    - Black population ... 44, 211-216, 242
    - By occupation ... 643, 644
    - Elderly ... 41, 213, 215, 216
    - Foreign born population ... 47
    - General Education Development certificates (GED's) ... 244
    - Graduates:
      - College ... 216
      - General Education Development certificates (GED's) ... 244
      - High School ... 216
    - Hispanic population ... 44, 212-215, 242
    - Income ... 713, 724, 740, 746, 747
    - Labor force status ... 635
    - Multimedia users ... 901
    - Outlying area of U.S ... 1384
    - Poverty ... 740
    - Race ... 44, 45, 211-216, 242
    - States ... 214
    - Unemployment rate by race, sex ... 649
  - Building construction ... 1222, 1224, 1226
  - Building and floor space ... 1250
  - Catholic schools ... 234, 235
  - Computer use ... 230-232, 253
  - Days lost from school ... 175, 217
  - Degrees conferred ... 266-271
    - Non-resident aliens ... 224, 269
    - Salary offers ... 265
  - Dental schools, students, graduates ... 149
  - Employment, State and local government ... 484
  - Employment status of high school graduates and dropouts ... 243
  - Enrollment ... 199, 203-210, 220, 221, 245, 246, 250
    - Catholic schools ... 234, 235
    - Employment status, persons 16 to 24 years old ... 635
    - Outlying areas of U.S ... 1386, 1388
    - Preprimary schools ... 204, 208, 209
    - Projections ... 199, 203, 207, 250
    - States ... 210, 220, 249
  - Expenditure (see also Finances):
    - Assistance for persons with limited income ... 570
    - City government ... 473
    - Health care work force, training ... 142
      - Foreign countries ... 1409
    - State and local government ... 201, 257, 453, 457, 458, 460
  - Federal aid ... 201, 202, 257,490, 975, 977
  - Foreign countries, education and illiteracy ... 1410
  - Graduates:
    - College ... 211, 212, 244
    - High school ... 211, 212, 215, 244
  - Grants to institutions from foundations ... 618
  - Handicapped students ... 233
  - Higher education institutions:
    - Beginning salary offers, college graduates ... 224, 265
    - Charges for room and board ... 261
    - Degrees conferred ... 266-271, 989
      - Non-resident aliens ... 269
    - Dormitory population ... 76
    - Enrollment ... 199, 203, 205, 210, 245-247, 250
      - Advanced degrees ... 988
      - College freshmen, characteristics ... 251
      - Employed students ... 252
      - Foreign languages ... 254
      - Foreign students ... 255
      - Projections ... 199, 203, 250
      - Public ... 210
      - States ... 210, 249
      - U.S. service schools ... 249
    - Expenditures ... 200, 201, 262
      - Price index ... 256
      - Scientific purposes, by type ... 960
    - Faculty ... 247, 263, 264
    - Finances ... 200, 201, 247, 248, 256, 257, 260, 261
    - Financial aid ... 257-259
    - Libraries ... 272, 273
    - Number ... 199, 247, 249
    - Price indexes ... 256
    - Scientists and engineers, employed ... 981, 987
    - Tuition and fees ... 261
    - Voluntary financial support ... 262
  - High school dropouts ... 243, 244
  - High school graduation credit requirements ... 239
  - Loans and grants, Federal government ... 259
  - Medical schools, students, graduates ... 149
  - Nursing programs, students, graduates ... 149
  - Outlying areas of U.S ... 1384, 1386, 1388
  - Philanthropy ... 615
  - Private schools:

Table
Education—Continued
Private schools—Continued
    Computer use........ 232
    Elementary and secondary..... 199, 203, 204, 207, 234, 235
      Projections (enrollment)........ 199, 203, 207
    Expenditures........ 200, 201
    Number........ 199
    Special programs........ 236
    Teachers........ 235
  Public elementary and secondary schools:
    Competency tests........ 222
    Computer use........ 232
    Employees and payroll........ 226
    Enrollment........ 203, 204, 218, 220, 221
      Projections........ 199, 203, 207
      Size........ 219
      States........ 210, 220
    Finances........ 200, 201, 227-229
    High school graduates........ 240, 243, 244
    Inservice teacher training........ 222
    Libraries/media centers, number........ 230
    Number........ 199
    Personnel salaries........ 225
    Price indexes........ 227
    Special education programs........ 233
    Teachers........ 218, 222, 223
      Competency tests........ 222
      Projections........ 207, 641
  Recreation activities........ 382, 396
  Scholastic Aptitude Test........ 237
  School districts........ 468
  School-loss days........ 175, 217
  School years completed. See Education attainment.
  State data:
    Elementary and secondary........ 210, 220, 223, 229, 240
    Higher education........ 210, 249, 260
  Teachers:
    Catholic schools........ 234
    Elementary and secondary........ 207, 218, 222
    Employment projections........ 207, 641
    Higher education........ 247, 263, 264
  Volunteers........ 614
Education, Dept. of budget authority and outlays........ 405
Educational services:
  Advertising expenditures........ 924
  Earnings........ 1346, 1347
  Employees........ 484, 645, 646, 657, 1323, 1346, 1347
  Establishments........ 1339, 1346, 1347
  Finances........ 1346
  Gross national product........ 686, 1322
  Occupational safety........ 681
  Sales, shipments, receipts........ 1339
  Starts and failures........ 865
Eggs (see also Poultry):
  Consumption........ 199, 1139
  Farm marketings........ 1096
  Foreign trade........ 1139, 1376
  Prices........ 769, 1139
  Production........ 1113, 1139
  Productivity, farm........ 1110
Egypt. See Foreign countries.
Eire. See Foreign countries
Elderly (see also Population):
  Age and/or sex........ 13, 20, 21, 41, 43
    Projections........ 16, 17, 30
  AIDS........ 180
  Alcohol use........ 190
  Arrests........ 292, 293
  Arthritis and rheumatism........ 183-185
  Black population........ 41
  Cancer........ 164
  Cerebrovascular disease........ 164
  Charitable contributions........ 616
  Chronic conditions........ 183-185, 187
  Cigarette smoking........ 190, 192
  Community services, use of........ 606
  Consumer debt........ 813
  Contact with children........ 43
  Criminal victimization........ 286
  Disability days........ 175
  Education:
    Adult education participants........ 275
    Attainment........ 41, 213, 215, 216
  Farm population........ 1077
  Farm workers........ 1109
  Foreign born........ 46
  Functional limitations........ 186
  Health care expenditures........ 145, 146
  Health insurance coverage........ 146
  Hearing inpaired........ 183, 185

Table
Elderly (see also Population)—Continued
  Heart disease........ 164, 183, 185
    Deaths and death rates........ 122
  Height distribution........ 193
  Hispanic origin population........ 20
    Projections........ 16
  Homes for the aged........ 76
  Hospital use........ 161, 164, 167
  Households assets........ 747
  Households or families........ 41, 42
  Housing........ 1244, 1245, 1247, 1250, 1251
  Illness/injuries........ 176, 182
  Labor force........ 621, 624-626, 629, 637, 647
    Employed........ 626, 629
    Employment status, by race........ 625, 657
    Multiple jobholders........ 633
    Participation rates........ 637
    Unemployed........ 625, 647
  Life insurance ownership........ 839
  Living arrangements........ 42, 43, 65
  Marital status........ 41
  Medicaid payments and recipients........ 599
  Medicare program........ 594, 595
  Mobility status........ 25
  Mortgages, mortgage debt........ 813, 1247
  Motor vehicles available........ 1250
  Multimedia users........ 901
  Nursing homes........ 157, 169, 170, 171
  Nutrient intake........ 198
  Personal health practices........ 190
  Physician/dentists visits........ 153
  Poverty........ 41, 736, 737, 743
  Projections........ 16, 17, 30
  Recreation activities........ 378, 381, 382, 388, 392, 396
  Social Security beneficiaries, payments........ 578
  Stock ownership........ 833
  Union membership........ 684
  Visual impairment........ 183, 185
Elections:
  Black elected officials........ 429
  Campaign finances........ 439, 441, 443, 444
  Congressional........ 414-417, 433
  Gubernatorial........ 426-434
  Hispanic origin officials........ 430
  Political action committees........ 442
  Political party identification........ 435
  Presidential........ 411-413, 443
  Registration requirements........ 434, 437
  Voter registration........ 436-438
  Voter turnout........ 432, 436, 437
  Votes cast........ 437
  Voting-age population........ 432, 436
  Women in public office........ 431
Electric, gas, and sanitary services:
  Capital........ 356
  Earnings........ 657, 660
  Employees........ 646, 657
  Finances........ 824, 826
  Gross national product........ 686
  Occupational safety........ 681
  Pollution abatement........ 356
  Prices........ 776
  Productivity........ 658
  Starts and failures........ 865
Electric light and power industry (see also Electric, gas, and sanitary services, and Electricity):
  Construction costs........ 1220, 1222
  Consumer cooperatives........ 862
  Consumption of fuel........ 1196
  Customers........ 957
  Electric energy (see also Electrictiy)........ 952
    Consumption........ 952
    Finances........ 957, 958
  General capacity, installed........ 954
  General capability........ 952, 953
  Ownership, class of........ 952, 955
  Peak load........ 953
Electricity (see also Electric light and power industry):
  Capability........ 952, 955
  Commercial buildings........ 938, 939, 1259
  Consumption........ 931, 934, 938, 940, 956, 957
  Expenditures........ 923, 933
  Foreign countries........ 960, 1433, 1434
  Generating plants, ownership........ 955
  Hydroelectric power........ 927, 929
  Nuclear........ 927, 929, 931, 952, 959, 960, 962
  Price indexes........ 356, 357, 775, 777, 778, 932, 951
  Production........ 952, 954
  Residential........ 934-937, 957, 1246, 1248
  Sales, shipments, receipts........ 951, 956, 957

Table

- Electronic and other electrical equipment, manufacturing:
  - Employees... 1265, 1280, 1315
  - Finances... 887
  - Foreign trade... 1262-1265, 1378, 1379
  - Gross national product... 686
  - Import penetration... 1262, 1264
  - Productivity... 658
  - Profits... 890, 892, 894
  - Research and development... 976, 982
  - Sales, shipments, receipts... 1265, 1266
  - Value added... 1265, 1266
- Electronic conponents and accessories, manufacturing:
  - Capital... 1317
  - Earnings... 657, 1315, 1317
  - Employees... 648, 657, 1315, 1317
  - Finances... 1317
  - Inventories... 1317
  - Occupational safety... 681
  - Productivity... 658
  - Sales, shipments, receipts... 894, 1315, 1317
  - Value added... 1317
- Electronic goods:
  - Advertising expenditures... 922-924
  - Consumer electronics... 1313, 1321
  - Foreign trade... 1376, 1377
  - Sales, shipments, receipts... 384, 1303, 1305, 1310, 1312, 1313,1318, 1320, 1321
- El Salvador. See Foreign countries.
- Emery, production and value... 1177
- Emphysema... 118, 119, 164, 1407
- Employee benefits... 670, 671, 673
  - Government employees... 482
- Employees... 620-623, 625, 626, 628-633, 635, 636, 639, 641-646, 655-657, 782, 1053, 1067, 1074, 1077, 1192, 1323-1327, 1338, 1340, 1342, 1346, 1347, 1351, 1353, 1393-1395, 1399
- Employment agencies... 1348
- Endangered species... 352
- Energy (see also Electric light and power industry and various fuel types):
  - Assistance for persons with limited income... 570
  - Commercial buildings... 934-937, 1260
  - Companies... 948
  - Conservation activities... 1251
  - Consumption... 926-931, 934-936, 942, 966
    - By characteristic of household... 935-937
    - By type of fuel... 935-937
    - End-use sector... 929-931, 933, 940
    - Foreign countries... 942
    - Manufacturing... 940
    - Source... 926
  - End-use sector... 929, 933
  - Expenditures... 932, 937
    - Commercial... 937
    - Consumption... 940
    - Residential... 934-937
    - Type of structure... 934,935
    - Wood... 966, 1248
  - Federal outlays... 490
  - Fossil fuel prices... 941
  - Solar collectors, manufacturer's shipments... 969
  - Wood... 966, 1248
- Energy, Department of, budget authority and outlays... 495
- Engineering and architectural services:
  - Earnings... 1346, 1347
  - Employees... 1346, 1347
  - Establishments... 1346, 1347
  - Sales, shipments, receipts... 1348
- Engineers and scientists (see also individual fields)... 982, 985, 987
  - Degrees conferred... 267-270, 989
  - Employment... 642
  - Institutions of higher education... 987
  - Research and development... 976, 980, 981, 982
  - Salary offers... 265
- Engines and turbines, manufacturing. See Machinery, except electrical.
- Entertainment (see also Amusement and recreation services):
  - Personal expenditures... 378
- Environmental Protection Agency:
  - Budget authority and outlays... 495
  - Employment... 520
  - Waste treatment facilities, Federal aid to State and local governments... 452
- Environmental science... 983
- Equatorial Guinea, population and area... 1403
- Eskimo population... 45
- Establishments (see also individual industries)... 790, 795, 797-800, 802-80 1324-1326, 1332, 1333, 1338-1342, 1344, 1347, 1353, 1393, 1395, 1399
- Estate and gift taxes... 490, 505
- Ethane... 1194
- Ethiopia. See Foreign countries.
- Europe. See Foreign countries.
- European Economic Community... 1413
- Evaporated milk... 194, 1134
- Excise taxes... 461, 490, 505
- Executions... 326, 327
- Executive service (Federal):
  - Budget outlays and authority... 495
  - Employment... 514, 520
- Expectation of life (average lifetime)... 106-109
- Expenditures. See individual subjects.
- Expenditures of State and local government. See individual governmental units.
- Expenditures of U.S. Government... 448, 490, 1008, 1183, 1364-1366, 1368
  - Aid to the arts and humanities... 399
  - Aid to outlying areas... 1368, 1387, 1409, 1410
  - Aid to State and local government... 450-452, 457
    - By function... 451
    - Highway trust fund... 1008
  - Atomic energy defense activities... 527
  - Budget authority... 495
  - By function... 477, 490
  - By source of funds... 490
  - Capital outlay... 448
  - Defense... 727-732, 1055, 1183
    - Contract awards... 531, 532
    - Cost of American wars... 537
    - International comparison... 1449
    - Research and development... 530
    - Stockpile materials... 1183
  - Education. See Federal aid to education.
  - Food programs, Federal... 566, 570
  - Health services and supplies... 141, 142
  - Hospitals... 158, 159
  - Land and buildings... 522
  - Loans, direct and guaranteed... 501
  - Military personnel... 526, 527, 532
  - National defense... 528, 529
  - Payments for public assistance... 565, 570, 605
  - Payrolls... 479, 480
  - Pollution control... 353-357
  - Public debt... 489, 496, 497
    - Interest earned... 447
  - Public roads... 1008
  - Rivers, harbors, and flood control... 1059
  - Schools, public and private... 201, 202
  - Social welfare programs... 562, 566, 568, 573
    - Social insurance benefits... 571
  - Space programs... 991-996, 1055
  - Trust funds... 492
  - Veterans benefits. See Veterans affairs.
  - Vocational rehabilitation... 593
- Export-Import Bank Act... 520, 1364
- Exports. See Foreign trade.
- Eyeglasses and contact lenses... 137, 138, 140
  - Elderly... 185
  - Expenditures for... 137, 138

F

- Fabrics. See Textile industry and Textiles.
- Facsimile machines... 1321
- Farm and garden machinery manufacturing (see also Agricultural implements, etc.):
  - Capital... 1314
  - Earnings... 657, 1265, 1314
  - Employees... 657, 1265, 1314
  - Establishments... 1265
  - Productivity... 658, 1265, 1314
  - Sales, shipments, receipts... 1265
  - Value added... 1265
- Farm mortgage loans:
  - Debt outstanding... 808
  - Principal lenders... 704, 1255
  - Veterans guaranteed and insured... 584
- Farmer cooperatives... 862
- Farmers and farmworkers... 1075
  - Bankruptcies filed... 866, 1092
  - Earnings... 1109

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Table

Farmers and farmworkers—Continued
  Employment... 642
    Projections... 641, 646
  Indexes of inputs... 1106
  Unemployment... 650, 651
Farms... 1036, 1039, 1075, 1081
  Acreage... 1079, 1082, 1084, 1085, 1106
    Cropland... 333, 1112, 1121, 1122, 1131
    Crops harvested (see also individual crops)... 1120-1122
    Irrigation... 1085
    Utilization... 333
  Agricultural chemicals, use of... 1106
  Agricultural products:
    Exports, acreage used for producting... 1369, 1376
    Farm marketings... 1095, 1096, 1100
    Foreign assistance... 1364
    Foreign countries, production... 1437, 1439
    Foreign trade... 1114, 1116-1120, 1369
      Waterborne commerce... 1062
    Prices. See Prices received by farmers.
    Railroad car loadings... 1038, 1039
    World production... 1400
  Assets and liabilities... 785, 1089, 1098, 1099
  Balance sheet of the farming sector... 1089
  Capital stocks... 1240
  Commodity Credit Corporation transactions... 1101, 1102
  Construction value... 1201
  Crops (see also individual crops):
    Acreage... 1112, 1120-1122, 1130, 1131
    Farm marketings... 1095, 1096, 1100
    Fruits and nuts... 1132
    Income... 1099, 1100
    Labor-hours... 1111
    Prices... 1103
    Production... 1113-1122
      World... 1400
    Productivity, farm... 1111
    Vegetables... 1376
      Foreign trade... 1376
  Debt... 1089-1091, 1099
    Mortgage outstanding... 808, 1089, 1090
  Expenditures... 1093, 1098
  Government payments to farmers... 1094, 1095, 1099, 1100
  Gross farm product... 1094
  Households or families... 1076
  Housing, rental value... 1094
  Income... 1094, 1098, 1099, 1103
    Government payments to farmers... 1095
  Input indexes... 1106
  Inventories, change in... 1094
  Irrigated farmland... 1085
  Labor expenses... 1095
  Labor inputs... 1106, 1111
  Machinery and motor vehicles... 1089, 1106, 1107
  Marketings, cash receipts... 1094-1096
  Mortgage loans... 810
  National income, origin in... 1094
  Number... 1078-1082, 1084, 1098
  Operator characteristics... 1083
  Outlying areas of United States... 1398
  Population... 1075, 1077
  Price supports... 1102
  Prices received by farmers:
    Crops... 1120, 1121
    Livestock and products... 1135, 1137
  Production expenses... 1095
  Proprietors income... 783
  Real estate, input indexes... 1106
  Taxes... 1094, 1095
  Tenure of operator... 1082, 1083
  Type of organization... 1084
  Value:
    Farm land and buildings... 1080, 1084, 1087, 1088
    Farm output... 1094
    Farm products sold... 1080, 1084, 1091, 1104
Fatalities. See Accidents and fatalities.
Fat, nutrient available for consumption... 197
Fats. See Lard, Margarine, and Oils.
Federal aid to education... 452, 468
  Elementary and secondary schools... 201, 202
  Higher education institutions... 201, 202, 247, 257, 566
    Scientific purposes... 980
  Research... 971, 972, 978
  Science and engineering... 978
Federal aid to State and local government... 450-452
  Pollution abatement and control... 355
Federal banks. See banks.
Federal budget. See Expenditures of U.S. Government.
Federal employees retirement trust fund. See Government.
Federal funds, summary distribution by State... 503

Table

Federal Government. See Government.
Federal Government finances. See Receipts and Expenditures of U.S. Government.
Federal Housing Administration, mortgage loans... 808-810, 812
Federal National Mortgage Association loans... 808
Federal real property... 335
Feed. See Grains.
Feldspar... 1177, 1182
Female householder. See Households or families.
Female population. See Women.
Ferroalloys... 1176, 1217
  Foreign trade... 1217, 1377
  Production... 1217, 1400
Fertility, fertility rate... 87, 98
Fertilizers:
  Farm expenditures for... 1095
  Foreign trade... 1108, 1376, 1377
  Supply and use... 1108
Fetal deaths... 113, 114
Figs, fresh... 1132
Fiji islands, population and area... 1403
Filberts... 1132
Fillipino population... 45
Filling stations. See Gasoline service stations.
Finance... 704, 784-788
  Consumer installment credit... 814
  Corporate funds... 895
Finance, insurance, and real estate:
  Earnings... 655-657, 660, 661, 1393
  Employees... 645, 646, 655-657, 782, 783, 860, 1393
  Establishments... 783, 801, 860
  Finances... 783, 784, 786, 790, 791, 795, 797, 800, 802-804, 806, 807, 811, 814, 821, 836, 837, 841, 842, 844, 856, 860, 1090, 1327, 1340, 1346, 1349, 1353
    Stock and bond price yields... 826
  Foreign investments in U.S... 1359, 1360
  Gross national product... 686, 698, 781, 1390, 1391
  Income... 848, 889
  Productivity... 658
  Profits... 848, 889, 894
  Sales or receipts... 894
  Starts and failures... 865
  Union membership... 684
Financial instruments, Commodity futures trading... 835
Finland. See Foreign countries.
Fire departments. See Public safety.
Fire insurance... 841
Firearms... 126, 379
  Accidental deaths... 124
Fires and property loss... 294, 328-330
  Accidental deaths... 124, 330
  Arson... 294
Firms. See Business enterprise, and individual types of business and industry.
Fish (see also individual species):
  Canning and preserving... 1169
  Catch, quantity and value... 1438
  Consumption... 194
  Foreign trade... 1158, 1376, 1377, 1379
  Prices... 1166
  Production and value... 1169, 1170
  Supply... 1158
Fish meal and oils... 1170, 1172
Fish, seafood, and eggs, expenditures... 709, 710
Fishing, commercial:
  Catch, quantity, value... 1160-1163, 1165, 1166
    By major port... 1162
  Employees... 1159
  Establishments... 1159
  Foreign trade... 1171, 1172
  Products... 1158, 1164, 1169
Fishing and hunting... 374, 375, 378, 381, 386, 389, 391-394
Fixed weighted price indexes... 752
Flax, consumption by mills... 1291
Floods... 358
Floor coverings:
  Imports... 1377
Floor coverings, manufacture... 657, 1219, 1265
Floppy disks... 1309, 1321
Florida. See State data.
Florists... 1326
Flounder... 1161, 1163, 1175, 1166, 1169
Flour, consumption (see also Grain-mill products)... 194
Fluorspar... 1177, 1182
Food (see also individual commodities and industry data below):
  Car loadings... 1039
  Commercial vegetables... 709, 1104

Table
Food (see also individual commodities and industry data below)—Continued
  Consumption 194-196, 1415, 1416
  Costs 772
  Fish products 709, 710
  Expenditures 709, 1104, 1414
    Food at home 709, 710, 1104
      Beef and pork 709, 710
      Cereal and bakery products 709, 710, 1104
      Fish, seafood, and eggs 709, 710
      Fruits and vegetables, fresh, processed 709, 1104
      Milk, cream, other dairy products 709, 1104
      Poultry and other meats 709
    Food away from home 709, 710, 1104
    Percent of personal consumption expenditures, foreign countries 1414
  Foreign production 1435
Food and kindred products, manufacturing:
  Capital 706, 710, 1276, 1288
  Earnings 657, 706, 1265, 1288, 1393, 1394
  Employees 646, 657, 1074, 1265, 1280, 1288, 1393, 1394
  Energy consumption 940
  Establishments 1265, 1394
  Foreign trade 1062, 1272, 1284, 1371, 1372-1379
  Gross national product 886, 1391
  Occupational safety 681
  Patents 875
  Pollution abatement 356, 357
  Productivity 658, 1394
  Profits 887, 890, 892, 894, 1288
  Sales, shipments, receipts 894, 1265, 1288
  Starts and failures 865
  Value added 1074, 1265, 1394
Food for peace program 1118, 1364
Food programs (Federal) 566, 570, 601-603
Food stamp program 566, 570, 601-603
Food stores:
  Earnings 657, 1325, 1326, 1393
  Employees 657, 1325, 1326, 1393
  Establishments 1325, 1326, 1332, 1333
  Inventories 1331
  Productivity 658
  Sales, shipments, receipts 1325, 1329, 1330-1333, 1337
Food waste disposers 1321
Football 386
Footwear:
  Athletic 379
  Foreign trade 1295
  Output 1295
  Prices 760
Footwear, except leather, manufacturing 1265, 1295
  Earnings 657
  Employees 657, 1265
  Establishments 1265
  Sales, shipments, receipts 1265
  Value added 1265
Foreign aid to developing countries 1447, 1448
Foreign born population 45-47
Foreign companies, U.S. affiliates 1360
Foreign countries:
  Adopted children 612
  Agricultural aid 1118
  Aid to developing countries 1447, 1448
  Area 1403
  Armed Forces personnel 1450
  Arms exports and imports 534-536
  Balance of payments 1354, 1355
  Beverages, personal consumption expenditures 1414
  Cities 1406
  College students enrolled in U.S. 255
  Communications 1420
  Consumer price index 760, 1425
  Crude oil 944, 946, 947
  Death and death rates 1407
  Debt 1445, 1446
  Economic indicators 707
  Employment and labor force 1426, 1427
  Energy production and consumption 942, 943, 1433, 1434
  Exchange rate 1442
  Export and import unit value indexes 1374
  Financial resources 1447
  Fish catches 1438
  Food:
    Consumption 1415, 1416
    Personal consumption expenditures 1414
    Production indexes 1435
  Gross domestic product 705, 706, 1413
  Gross national product 707, 1411, 1412
  Growth rates, economic 687

Table
Foreign countries—Continued
  Health care expenditures and employment 1409
  Immigration to U.S. 7, 8, 11, 12, 47
  International transactions, balances 1354, 1355
  Investment in U.S. 1357, 1359, 1363
  Labor force participation rates 1426, 1428
  Loans, by U.S. commercial banks 803
  Manufacturing establishments and employees:
    Productivity, compensation and labor cost indexes 1430
  Merchant vessels 1073
  Military expenditures 533, 1449
  Military personnel, U.S. on active duty 545
  Military sales 539
  Motor vehicles 1011, 1418
  Nobel prize laureates 990
  Nonimmigrants from 407
  Nuclear power generation 900
  Ownership of U.S. agricultural land 1086
  Personal consumption expenditures, food and beverage 1414
  Population 1403, 1404
    Cities 1406
  Production:
    Crops 1437
    Indexes 1429
    Meat 1439
    Minerals 1433
    Steel 1431
  Refugees admitted to U.S. 10
  Research and development expenditures 973
  Reserve assets 1441
  Sales and assistance by U.S. Government 538
  Schools and education, expenditures 1410
  Sewage treatment systems 1419
  Social Security programs, payroll tax rates 1423
  Space launches 997
  Steel production and consumption 1431
  Suicides 1407, 1408
  Taxes (revenue) 1421
  Tax receipts by type of tax 1422
  Territory ceded to United States 332
  Trade 1429
  Trade with United States 1355, 1371, 1372
  Travelers to and from U.S., expenditures 401, 403-405
  U.S. investment abroad 1363
  Vital statistics 1405
Foreign currency holdings 764
Foreign exchange rates 1443
Foreign grants and credits, U.S. Government 1364, 1365
Foreign investments in United States 1278, 1359, 1360, 1362
Foreign languages:
  College students enrolled 254
  Degrees conferred 269, 270
Foreign military sales trust fund 492
Foreign students, college 255
Foreign sales and assistance by U.S. Government 1118, 1364-1368, 1447
  Economic assistance 1368
  Military sales and assistance 538, 1367
Foreign trade (see also Foreign aid, Foreign countries, and individual commodities) 1053, 1369, 1373
  Agricultural products 1116, 1120, 1369, 1371
  Aircraft and aircraft parts 1371
  Automobiles, imports 1371
  Balance of trade 1369
  Coastal districts 1061
  Commodity groups 1371, 1376
  Continents 1371, 1372
  Countries 1372, 1429, 1440
  Customs regions and districts 1373
  Exports:
    Aerospace equipment, products, space vehicle systems 1056
    Arms, by supplier and recipient countries 534, 535
    By industry 1285
    Commodities 1284, 1379
    Countries 1197, 1436, 1440
    Minerals 1194
    Price indexes 766
  Fertilizers 1108
  Fish products 1158, 1171, 1172
  Imports:
    Books 392
    By industry 1283
    Commodities 1282, 1378, 1379
    Countries 1197, 1436, 1440
    Crude oil 1194, 1197

Table
Foreign trade (see also Foreign aid, Foreign countries, and individual commodities)—Continued
Imports—Continued
Fishery products 1171
Free and dutiable 1378
Minerals 1184
Price indexes 765
Semiconductors 1310
Tungsten 1208
Uranium 1209
Indexes of quantity and value 1349, 1374
International transactions balances, U.S. 1354, 1355
Iron and steel 1298, 1300
Lamb and mutton 1133
Manufactures exports, U.S. compared to world 1277
Merchandise 1369, 1372
Countries 1372
Outlying areas 1396
Mineral fuels 945
Mode of transport 1058
Prices 764
Textile products 1293
Timber products 1146, 1157
Trade areas 1371
U.S. affiliates of foreign companies 1300
Vessels entered and cleared 1063, 1064
Waterborne commerce 1061, 1062
World summary, external trade 1400
Forests products (see also individual products):
Car loadings 1038, 1039
Consumption 1146, 1147, 1150, 1154, 1156
Foreign trade 1146, 1150, 1157
Producer prices 1148
Forests products, manufacturing. See Lumber and wood products.
Forests:
Land, acreage, and ownership 332, 1142-1144
National 1140-1142
Finances 1141
Recreational use 370
Forgery and counterfeiting 293
Foundations, philanthropic 615, 617-619
Foundries, manufacturing 657, 1265
France. See Foreign countries.
Franchised establishments 1338-1340
Fraternal associations 92
Fraternities 82
Freezers, home 1249, 1320, 1321, 1417
Freight traffic. See Air transportation. Canals, Railroads, Rivers, and Waterways.
Frozen foods:
Consumption 194
Fish 1164, 1170, 1172
Fruits:
Consumption 195
Consumer expenditures 700, 1104
Farm income 1096
Foreign trade 1117, 1376, 1377
Prices 780, 788
Production 1132
Fuel (see also individual types, and energy):
Commercial use 938, 939, 1260
Consumption:
Airplanes, aviation, certificated route carriers 1044, 1050
Manufacturing industries 1196
Motor vehicles 1026, 1028
Utilities 952, 1196
Electricity generated by 952, 954
Foreign trade 1184, 1397
Prices 758-760, 765, 775, 932, 941
Retail 799
Production 927, 1174, 1177, 1182
Residential use 934, 936, 1246
Used in heating and/or cooling 1248
Utilities 964, 965
Fund-raising campaigns 615
Funeral service and crematories:
Earnings 1346, 1347
Employees 1346, 1347
Establishments 1346, 1347
Receipts 1346, 1348
Furniture and fixtures, manufacturing:
Capital 1265
Earnings 657, 1265, 1394
Employees 646, 657, 1265, 1394
Energy consumption 940
Establishments 1265, 1394
Gross national product 686
Occupational safety 691
Producer prices 755

Table
Furniture and fixtures, manufacturing—Continued
Productivity 658
Sales, shipments, receipts 1265, 1394
Value added 1265, 1394
Furniture and homefurnishing stores:
Earnings 657
Employees 657, 1326
Establishments 1325, 1326
Productivity 658
Sales 1325, 1329, 1331
Furs and fur goods 1377
Futures price indexes, selected commodities 768

G

Gabon. See Foreign countries.
Gadsden Purchase 224, 332
Gambling and gamblers, arrests 293
Games. See Toys.
Garages. See Gasoline service stations and Automobile repair, services, and parking.
Garden supplies. See Building materials and garden supplies.
Gardens, home, characteristics, gardening 390
Garnet (abrasive) production and value 1177
Gas (see also Petroleum and gas wells and Gas utility industry):
Liquefied petroleum gases 1194
Natural 927, 932, 1042, 1176, 1177, 1180, 1189, 1192
Consumption 928, 929, 931, 936, 942, 1193
Drilling costs 1190
Energy expenditures 932
Energy production and consumption 926, 927
Foreign trade 945, 1377, 1379
Imports 927
Offshore lease revenues 1191
Market production 1193
Prices 767, 941, 1181
Production 928, 943, 1189, 1191
Foreign countries 1432, 1434
Indexes 1175
Production and value 1177, 1193
Reserves 1193
Residential 935, 936
Gas and electric utilities. See Electric, gas and sanitary services.
Gas production and distribution 657
Gas utility industry (see also Electric, gas, and sanitary services):
Accidents and deaths 1001
Construction 1222
Customers 964, 965
Finances 963, 1042, 1193
Mains, mileage 1042
Prices 740, 756, 757
Revenues 963-965
Sales 964, 965
Gasoline (see also motor fuel):
Excise taxes 780, 1009
Prices 780
Production 1027
Supply 1027
Gasoline service stations, retail:
Earnings 1325, 1326
Employees 1325, 1326
Establishments 1325, 1326, 1339
Inventories 1331
Productivity 658, 1188
Sales, shipments, receipts 1321, 1329, 1334, 1337, 1339
Gem stones 1177, 1184
General merchandise stores:
Earnings 657, 1325, 1326
Employees 657, 1325, 1326
Establishments 1325, 1326
Inventories 1331
Productivity 658
Sales, shipments, receipts 1325-1330, 1337
Geography and cartography 985
Georgia. See State data.
Geothermal energy 926, 927
Germany. See Foreign countries.
Ghana. See Foreign countries.
Gibraltar. See Foreign countries.
Gift, novelty, and souvenir shops, retail 1328
Gift taxes 505
Glass. See Stone, clay, and glass products.
Gloves, leather, manufacturing 1266

Table
Gold, summary 1175, 1177, 1186, 1201, 1356
  Imports as percent of consumption 1186
  Mining industry 1176
  Prices 767
  Production and value 1177, 1201
    World 1432
  Reserve assets 1356
Golf 379, 387
Government (see also Expenditures of U.S. Government, and Receipts, U.S. Government, and individual governmental units):
  Capital stock 744
  Collective bargaining agreements 483
  Construction value of buildings 1222
  Earnings 485, 656, 657, 660
  Employees 512, 655, 657
    City government 486-488
      Compensation 660
    Federal, civilian 479, 480, 513-518, 520
      Accessions and separations 516
      Agency 517, 520
      Blue-collar workers 515
      Compensation authority 518
      Metropolitan areas 515
      Pay increases 519
      Payrolls 514
      Salaries, annual average 518
      Sex 515
      Sick leave 600
      Type of position 515
      White-collar workers 514, 515
    Local government 479, 480, 484, 485
    Scientific and technical 981, 985
    State government 479, 480, 484, 485
    States 656
  Employment cost index 669
  Employment projections 641
  Expenditures:
    City government 471-474
    Federal 447-448
      Aid to State and local government 335, 450-452, 493
        Capital outlay 448
      Public assistance programs 570
    State and local government 446-449, 453, 457
      Capital outlay 448
      City government 473
    State government 446-448, 460
  Federal participation in domestic credit markets 500
  Federally owned land 335
  Finances, State government 460
  Flow of funds 784-786
  Gross national product 686, 696
  Hospitals 157
  Insurance. See Social insurance.
  Land. See Public lands.
  Local government:
    Cities:
      Employees, earnings, payroll 486-488
      Finances 471-474
    County finances 470
    Earnings 485
    Employees 479-481, 484, 485
    Number, by type 445, 468
    Payroll 479, 480, 484
    Population, by size-group 469
  National income, origin in 692
  Number of units, by type of government 445, 466
  Occupational safety 680
  Payrolls 479, 480
  Purchases of goods and services 685, 687
  Receipts 447, 453, 457, 458, 460-464, 467
    City governments 471-474
  Salaries and wages (see also Income, and individual industries):
    Local government employees 485
    National income component 691
    State government employees 485
  Securities 823, 824, 827
  Strategic and critical materials, summary 1183
  State and local governments:
    Employees, annual salaries 481
    Federal aid 450-452
    Finances 453-456
    Labor management relations 483
    Local government 467
    Payroll 479, 480
  Structures 522
Government National Mortgage Association loans 806
Governors, number and vote cast 425, 426, 434

Table
Graduates:
  College 211-213, 244
  High school 211-215, 242, 244
Grain (see also individual classes):
  Car loadings 1038
  Commodity Credit Corporation transactions 1102
  Commodity futures trading 835
  Consumption 194
  Farm marketings 1096
  Foreign trade 1117, 1119, 1120, 1371, 1376
    Exports by trade areas 1371
  Government payments to farmers 1097
  Production 1113
  Productivity, farm 1111
Grain-mill products, manufacture 657, 1265
Grants, reported by subject 618
Grapefruit 195, 1132
Grapes 195, 1132
Grazing:
  Land, Federal acreage 333
  National forests, livestock, and receipts 1141
  Public lands, leases 525
Great Britain. See Foreign countries.
Great Lakes:
  Commerce 1060, 1061
  Fisheries 1161
Greece. See Foreign countries.
Greek letter societies 82
Greenland. See Foreign countries.
Greeting cards, manufacturing 1265
Grocery stores:
  Earnings 1325, 1326
  Employees 1325, 1326
  Establishments 1325, 1326, 1329, 1332, 1333
  Inventories 1331
  Sales, shipments, receipts 1325, 1329, 1330, 1332-1334, 1337, 1339
Gross domestic product:
  Annual growth rates, international comparisons 705
  By country 706, 1413, 1421
Gross national product 685, 686, 690, 707, 1322
  By country 705
  By industry 686, 781
  Components, annual growth rates 687
  Economic growth rates indicators 687, 707, 928
  Foreign countries 707, 1411, 1412
  Implicit price deflators for 685, 751
  Motor vehicle products as percent of 1014
  National defense outlays as percent of GNP 526
  National health expenditures as percent of GNP 135
  Originating in manufacturing 1263
  Relation to national and personal income 689
Gross private domestic investment 685, 687, 679
Gross saving and investment 679
Gross State product 697, 698
Ground water used 341
Groundfish, imports 1172
Group health insurance plans 146
Guadeloupe, population and area 1403
Guam. See Outlying areas of U.S.
Guatemala. See Foreign countries.
Guinea. See Foreign countries.
Guns. See Firearms.
Guyana. See Foreign countries.
Gypsum and gypsum products 1177, 1182, 1186
  Producer price indexes 1219

H

Haddock:
  Catch 1161, 1163, 1166
  Fresh and frozen packaged 1169
  Imports, pickled or salted 1172
Hake, pacific whiting, imports 1163, 1165, 1172
Halibut 1163, 1166, 1167
Hallucinogenic drugs 191
Hams, bacon, etc., imports 1377
Handbags, manufacturing 1265
Handicapped (see also Disabled persons):
  Institutional population 76
  Public school enrollment 233
Hardware. See Building materials and garden supplies.
Hats, manufacturing 1265
Hawaii. See State data.
Hawaiian population 45
Hay:
  Acreage 1121

Table
Hay—Continued
  Hours per unit of production 1110
  Prices 1121
  Production 1113, 1121
  Productivity, farm 1110, 1111
  Supply and disappearance 1121
Hazardous wastes 1001
  Expenditures for abatement 357
  Superfund sites 350
  Transportation 1001
Hazelnuts (filberts) 1132
Headphones 1320
Health and Human Services, Department of:
  Budget authority and outlays 495
  Employment 520
  Expenditures, research and development 975
Health and medical insurance 146, 147, 843, 844
Health insurance (see also Insurance carriers and Medicare):
  Coverage 146, 147
    Dental insurance 147
  Expenditures for 135, 136, 145
    Consumer 145
  Premiums and policy reserves, life insurance companies 636
  Private organizations, financial data 143, 843, 844
Health Maintenance Organizations 148
Health sciences, degrees conferred 267-270
Health services:
  Coverage 146, 147, 569, 570, 594, 597, 598
  Employment benefits 482, 672
  Federal outlays for 136, 141, 142, 451
  Foreign countries 1409
  Government employment and payrolls 480
  Hospitals 157-161
  Industry:
    Earnings 657, 1346, 1347, 1393
    Employees 157, 482, 641, 642, 656, 657, 671, 672, 1346, 1347
    Establishments 1346, 1347
    Finances 136-142, 710, 1349
    Gross national product 686, 1322
    Occupational safety 681
    Profits 867
    Sales or receipts 367, 1346, 1348
    Starts and failures 865
  Medicaid 142, 146, 451, 566, 570, 598, 599
  Medicare 136, 141, 142, 146, 566, 574, 576, 577, 594, 597
  Mental health facilities 174
  Mental retardation facilities 172-174
  Nursing homes 137, 138, 140, 157, 168-170
    Practices 169
  Personal health products 190
  Philanthropy 137, 139, 140, 615
  Price indexes 144, 760, 761
  Public expenditures 136, 137, 139, 565, 566
    Federal Government 136, 141, 142, 451
      Aid to State and local governments 451
    Foreign countries 1409
    State and local government 453
      City government 455-473
      State government 458-460
  Veterans health care 136, 137, 141, 142, 562
  Volunteers 614
Hearing impaired 186
Heart disease 117-120, 122, 139, 140, 164, 183, 184
  Diagnostic and surgical procedures 154
  Elderly 185
  Foreign countries 1407
Heat pumps 1241, 1248
Heating equipment 1241, 1272, 1273
  New houses 1231
  Repair expenditures 1252
  Solar 989
Heights, average, by age and sex 193
Helium, production and value 1177
Hepatitis 177
Heroin, persons using, and seizures 191, 289
Herring, sea, pacific 1161, 1163, 1166, 1172
Hides and leather products (see also Leather and leather products):
  Foreign trade 1117, 1119
Highways:
  Accidents and deaths 1021
  Construction costs 1220
    Value of new construction 1222
  Debt, State and local government 1010
  Employees, government 480, 484, 487
  Expenditures:
    City government 473

Table
Highways—Continued
Expenditures—Continued
    State and local government 453
      City government 471, 473
    State government 458, 460
    U.S. government 1002, 1008
      Federal aid to State and local governments 451
      Highway trust fund 452, 1008
  Federal-aid systems 1003, 1004, 1008
  Highway trust funds 492
  Mileage 1003, 1004, 1021
  Motor fuel consumption 1026
  Motor fuel tax 1009
  Railroad grade crossings and accidents 1037
  Roads and rails, national forests 1141
  Type and control 1003, 1004
  Types of roads traveled 1021
Highway trailers, car loadings 1038
Hiking 374, 379, 388, 389
Hispanic origin population:
  Age and/or sex 16, 20, 44
    Projections 16
  AIDS 180, 181
  Births and birth rates 89, 96
  Children under 18 years old 71, 736
  Criminal victimization rates 287
  Disabled persons 592
  Disability days 175
  Discretionary income 719
  Educational attainment 44, 212-215, 242
  Elderly 20, 736, 737
  Elected officials 430
  Families, characteristics 44, 68, 69
  Farm workers 1109
  Fertility 98
  Health insurance coverage 146
  Household characteristics 44, 60, 62
  Housing 44, 1244-1247, 1250, 1251
  Income 44, 700, 701, 711, 712, 728
    Family 711, 720, 721, 723
    Household 711-716, 718
  Jail inmates 317
  Labor force and employment:
    Earnings 666, 667
    Employed 44, 622, 630, 642, 645
      By industry, occupation 642, 645
      Minimum wage workers 675
      State and local governments 481
    Unemployed 44, 622, 647
    Union membership 684
  Marital status 54
  Mortgages 1247
  Motor vehicles available 1250
  Multimedia users 901
  Multiple jobholders 633
  Nursing homes 171
  Poverty 44, 733, 736-740, 743
  Preprimary school enrollment 208
  Projections 16
  States 26
  Union membership 684
  Wealth 746, 747
Historic sites 372
Hobby, avocational associations 82
Hockey 382
Hogs 1098, 1135, 1136
Home equity loans 816
Home health care 595
Home loan banks. See Banks.
Home furnishings. See Appliances.
Homes. See Housing, etc.
Homestead entries on public land 524
Homicides 123, 277-282
Honduras. See Foreign countries.
Hong Kong. See Foreign countries.
Horseback riding 374
Horsepower 925, 1107
Hospitals 157-165
  Average daily room charge 162, 163
  Beds 158, 159
  Buildings and floor space 1260
  Charges and personal expenditure for 138-141, 145, 598, 599
  Construction 1222, 1224, 1226
  Cost to hospital per patient 162, 163
  Diagnostic procedures 165
  Discharges from 161, 164, 167, 178
  Earnings 657, 1347
  Employees 157-159, 484, 645, 646, 657, 1347
  Establishments 157-159, 161, 172, 1347

Table

Hospitals—Continued
  Finances 144, 1334, 1348, 1349
  Grants, foundations 618
  Insurance:
    Benefits 143, 574, 576, 577
    Medicare program 595, 596
    Persons covered 147
  Mental hospitals 76, 157, 174
  National expenditures 135-140
  Occupancy rate 158, 159
  Outpatients visits 159, 160
  Patients 76, 157, 159
  Public expenditures 135-140
    County governments 470
    State governments 458
  States 156, 163
    Organ transplants 166
  Use, admissions, and patient days 159-161, 164
  Veterans, expenditures and patients 174, 490, 562
    Federal receipts and outlays 490
Hotels and other lodging places:
  Buildings and floorspace 1260-1262
  Earnings 657, 1346, 1347, 1351
  Employees 646, 657, 1323, 1346, 1347, 1351
  Establishments 1339, 1346, 1347
  Gross national product 686, 1322
  New construction 1222
  Occupational safety 681
  Productivity 658
  Profit 1351
  Sales, shipments, receipts 1334, 1339, 1346, 1350, 1351
  Starts and failures 865
Hours and earnings (see also Earnings and individual industries and occupations):
  Aircraft personnel 999
  Compensation by industry 660
  Earnings 676-678
  Bills, acts, resolutions 419, 420
  Black members 423, 429
  Campaign finances 439, 440, 443, 444
  Composition 418, 421
  Congressional districts, candidates, votes cast 416
  Members, characteristics 423
  Representatives, vote cast 415-417, 433, 436
    Wage and salary workers 596
  Farmworkers 1109
  Indexes of payment 659
    U. S. and foreign countries 1430
  Railroad employees 999
House of Representatives 415, 418, 421
Housefurnishings. See Appliances.
Household workers. See Domestic service.
Households or families (see also Housing and housing units) 58, 60, 61, 64, 66, 70
  Age of householder 61, 62, 713, 714, 716, 718, 740
  American Indian, Eskimo, and Aleut population 45
  Asian and Pacific Islander population 45
  Assets 742, 744, 745, 747
  Automobiles, ownership 1029, 1249
  Black population 44, 60-62, 68, 69, 712-714, 716, 718, 720, 722, 740
  Characteristics 64
  Children under 18 years old 64, 67, 72
  Criminal victimization 298, 299
  Earnings:
    Family relationship 666
    Family type 667
  Educational attainment 713, 740
  Elderly 713, 716, 718, 736, 737
  Farm 1076
  Female householder 58-62, 64, 67, 68, 70-72
  Flow of funds 784-786, 788
  Hispanic origin population 44, 60-62, 68-71, 740
  Income 567, 712, 715-718
    Age of householder 713, 716, 718
    American Indian, Eskimo, Aleut population 45
    Asian and Pacific Islander population 45
    Below poverty level 41, 569
    Black population 44, 711-713, 716, 718, 720, 722
    By type of household 715
    Educational attainment 713
    Elderly 713, 716, 718, 737
    Hispanic origin population 44, 711, 714, 718, 720, 723
    Husband-wife families 725
    Marital status 713
    Multimedia users 901
    Poverty 569, 733-735, 737, 739-741
    Tenure 713, 718
    Type of family 723, 725, 726
    Type of household 716, 718

Table

Households or families (see also Housing and housing units)—Continued
  Interracial couples 55
  Life insurance ownership 839
  Living arrangements 41, 44, 65, 66
  Marital status of householder 57, 62
  Motor vehicles available 1029
  Net worth 745-747
  Outlying areas of U. S. 1441
  Persons in households 41, 57
  Poverty 45, 734, 739, 740
    American Indian, Eskimo, Aleut population 45
    Asian and Pacific Islander population 45
    Black population 739, 740
    Hispanic origin population 739, 740
  Projections 59
  Public assistance to families 569, 570
  Race 44, 45
  Region of householder 62, 63
  Size 58, 61, 62, 66
  States 63
  Taxes paid 717
  Types:
    Male householder 57, 60, 64, 67, 70, 71
    Married couples with or without own household 57, 59-62, 64, 67-70
    Non-family 60-62, 64, 66
    One-person households 61, 62, 64, 75
  Wealth 745, 747
Housing and housing units (see also Households or families):
  Age of housing stocks 1240, 1241
  Amenities 1250
  Building permit value 1226, 1227
  Capital 1240
  Conditions (see also Heating equipment) 1250
  Condominiums 1240
  Construction:
    Apartments completed and rented 1236
    Cost 1220
    New units 1227, 1228, 1230
    Value 1222, 1224, 1226
  Consumer expenditures 706
  Consumer price indexes 760, 761, 774
    Foreign countries 1425
    Rent 774
  Elderly 1257
  Energy:
    Characteristics 1231, 1246
    Conservation 1251
    Consumption 929-931, 934, 937
    Expenditures 932, 934-937, 1246
  Farm 1239
  Fires and property loss 329
  Floor space 937, 1234, 1242
  Gross housing product 1239
  Heating equipment used 1249
  Loans and mortgages 808-810, 1231, 1232, 1247, 1256
    Federal Housing Administration (FHA) 1232, 1256
    Held by savings institutions 1255
    Home mortgage loans 1255, 1256
    Veterans Administration (VA) 584, 808, 811
  Lot size 1242
  Maintenance and repair expenditures 706, 1252
  Mobile homes 937, 1234, 1210
  Mortgage debt 808
  Motor vehicles available 1250
  New privately owned homes, characteristics 1231, 1254
  Owner occupied 1242, 1243
  Plumbing facilities 1242, 1244
  Prices, or costs 773, 1220, 1233-1236
  Public housing, low rent units 1228, 1257
    Expenditures, Federal and State 585, 586
    Federal aid to State and local governments 452
  Recent home buyers, characteristics 1254
  Rent 1245
  Renter-occupied 1238, 1242, 1243, 1253
  Sales 1232, 1235, 1237
  Structural type 1229, 1244, 1252, 1253
  Tenure 44, 713, 746, 1242, 1244
  Units in structure 1241
  Vacancy 1242, 1253
  Value 1239, 1245
  Year built 937, 1244, 1253
Housing and Urban Development, Dept. of:
  Budget authority and outlays 495
  Employment 530
  Government expenditures 447, 453, 458, 471, 473
  Federal aid to State and local governments 451

Table
  Low-rent housing units.......... 1257
Housekeeping supplies expenditures.......... 709
Humidifiers.......... 1249
Hungary. See Foreign countries.
Hunting and fishing.......... 374, 375, 388, 389, 391-394
Hurricanes.......... 358
Hydroelectric power.......... 943
  Capacity.......... 952, 967
  Consumption.......... 926, 927, 931, 952
  Production.......... 926, 927, 931, 952
Hypertension.......... 183-185

I

Ice cream.......... 194, 1134
Idaho. See State data.
Illegal immigration. See Aliens.
Illinois. See State data.
Illiteracy.......... 1410
Illness (see also Deaths by cause, Disability, Disabled persons, and Diseases).......... 182-184
  Bed-disability days.......... 175
  Days lost from work, school.......... 175, 217
  Employees protection against income loss.......... 600
  Restricted activity days.......... 175
Immigrants.......... 6-9, 47
  Adopted children.......... 612
  By area of residence.......... 11, 12
  By class of admission.......... 9
  By country of birth.......... 7, 8, 11, 12, 47
  Citizenship status.......... 47
  Nonimmigrants.......... 406, 407
  Refugees.......... 9
Implicit price deflators for GNP.......... 685, 785
Imports.See Foreign trade.
Income (see also Consumer expenditures, and Earnings):
  After tax.......... 716, 718
  Aggregate income.......... 714, 719, 722
  American Indian, Eskimo, Aleut population.......... 45
  Asian and Pacific Islander population.......... 45
  Corporate.......... 703, 856
  Discretionary.......... 719
  Disposable personal income.......... 695
    Per capita.......... 690
  Distribution... 703, 711, 713, 717, 719, 720, 722, 724, 725, 728
  Energy consumption.......... 935-937
  Families.......... 41, 44, 731, 1386
    Aggregate income.......... 722
    American Indian, Eskimo, Aleut population.......... 45
    Asian and Pacific Islander population.......... 45
    Appliances.......... 1249
    Black population.......... 44, 720-724, 739
    By type of family.......... 720-724, 725, 726
    Earners.......... 723
    Educational attainment.......... 724
    Elderly.......... 41, 723
    Farm.......... 1076
    Hispanic origin population.......... 44, 720, 723, 724, 739
    Labor force participation.......... 725
    Outlying areas.......... 1388
    Poverty.......... 739, 740, 741
    Unrelated individuals.......... 726
  Farm.......... 703, 1093, 1094, 1096, 1099, 1100
  Gross national product.......... 690
  Hispanic origin population.......... 44, 711, 730
  Households.......... 711-714, 719
    Age.......... 713, 714, 719
    Black population.......... 712-714, 719
    Educational attainment.......... 713, 714
    Elderly.......... 713, 714, 719
    Hispanic origin population.......... 712-714, 719
    Marital status.......... 713-714
    Recreation activities.......... 392, 396
    Tenure.......... 713, 719
  Loss from short-term sickness.......... 600
  Motor vehicle ownership.......... 1029
  National income.......... 689, 690, 703
    By sector.......... 692
    By type of income.......... 691, 703
    Originating in farming.......... 1094
  Per capita.......... 690, 730, 731, 732
  Personal.......... 695, 701
    Current and constant dollars.......... 700, 701
    Metropolitan areas.......... 702
    Per capita.......... 695, 701
    Saving.......... 696
  Personal consumption expenditures.......... 690
  Persons.......... 730, 732, 733, 737

Table
Income (see also Consumer expenditures, and Earnings)—Continued
  Persons—Continued
    Below poverty level.......... 737
  Poverty.......... 45, 734-737, 741, 742
  Saving.......... 704
Income tax (see also Tax receipts):
  Corporate.......... 446, 504, 505
    Returns, by asset class.......... 854
  Individual.......... 446, 504, 506, 508, 510
    Average tax by income level.......... 504
    State tax collections.......... 461
  Personal expenditures.......... 366
Index numbers. See individual subjects.
India. See Foreign countries.
Indiana. See State data.
Indian American population.......... 45
Indian Asian population.......... 45
Individual retirement accounts (IRA's).......... 582, 745, 747
Indonesia. See Foreign countries.
Industrial and commerical enterprises, failures.......... 860, 863-865
Industrial commodities, prices.......... 754
Industrial production indexes.......... 1273
  Foreign countries.......... 1429
Industry. See Corporations and individual industries.
Infant deaths (see also Deaths and death rates).......... 83, 113-116
  Cause.......... 115
  Metropolitan areas.......... 84
Inflation. See Prices, consumer, and Consumer price indexes.
Inhalants, persons using.......... 191
Injuries (see also Accidents and Occupational safety)... 176, 182, 1001, 1037, 1185
Inmates (see also Correctional institutions).......... 76, 317-320
Installment loans (see also Loans and mortgages).......... 814
Institutional care facilities (see also Hospitals and Nursing and related care facilities).......... 160
Institutional population.......... 76
  Mentally ill.......... 174
  Mentally retarded.......... 172, 173
  Prisoners.......... 319, 322, 324-327
Institutions. See Hospitals and other individual facilities.
Institutions of higher education. See Education.
Instruments and related products, manufacturing:
  Capital.......... 877
  Earnings.......... 657, 1265, 1394
  Employees.......... 646, 657, 1265, 1280, 1394
  Energy consumption.......... 940
  Establishments.......... 1265
  Foreign trade.......... 1282-1285, 1379
  Gross national product.......... 686
  Inventories.......... 1272
  Patents.......... 875
  Research and development.......... 976
  Sales, shipments, receipts.......... 1265, 1272
  Starts and failures.......... 865
  Value added.......... 1265
Insurance. See individual forms of insurance.
Insurance agents, brokers, and service:
  Advertising expenditures.......... 921-923
  Earnings.......... 657
  Employees.......... 657, 782, 783
  Establishments.......... 783, 793, 794
  Finances.......... 789, 810, 841-844
  Foreign investments in the U.S.......... 1361, 1362
  Gross national product.......... 686, 781
  Occupational safety.......... 681
  Profits.......... 841
Insurance carriers:
  Earnings.......... 657, 783
  Employees.......... 657, 782, 783
  Establishments.......... 783
  Finances.......... 785
  Gross national product.......... 686, 781
  Occupational safety.......... 681
Insurance, Government. See Social insurance.
Insurance, medical care.......... 135, 136, 138, 143, 144, 843
Insurance, social. See Social insurance.
Inter-American Development Bank.......... 1365
Intercity traffic.......... 1000, 1032, 1036
Interest:
  National income component.......... 691, 692
  Payments, Federal Government.......... 490, 496
  Rates.......... 815, 822, 823, 825
  Receipts, by source:
    Individual income tax returns.......... 506, 509
    National and personal income component.......... 695
Interest rates.......... 815, 822, 823, 825
  Mortgages.......... 1247, 1256

Table
Internal revenue collections (see also Tax receipts):... 505, 506, 511
Internal waterways, traffic.... 1060
International affairs:
  Balance of trade.... 1369
  Commerce.... 1369, 1371, 1372, 1396
  Consumer prices, indexes, and percent changes... 1424, 1425
  Federal expenditures.... 490
  Foreign exchange rates.... 1442
  Foreign investments in U.S.... 1359
  Gross national product.... 1412
  Growth rate, economic.... 687
  Indexes of industrial production.... 1429
  International transactions, U.S.... 1355, 1356, 1358
  Receipts and payments for transportation.... 1057
  Schools and education, expenditures.... 1410
  U.S. Government aid.... 1364, 1366, 1368
  U.S. investments.... 1358, 1363
International Bank for Reconstruction and Development.... 1365
International Development Association.... 1365
International Finance Corporation.... 1365
International investment position, U.S.... 1357, 1363
International mail (U.S. postal).... 697
Interracial marriages.... 55
Inventories (see also Stocks, commodity)....... 1331, 1340, 1343
  Business (GNP).... 685
Investments (see also Capital stock and Securities):
  Foreign, in U.S.... 1356, 1357, 1359, 1361, 1362
    Manufacturing industries.... 1278
  Life insurance.... 837
  Manufacturing industries.... 1270, 1272
  Private domestic, gross.... 685, 696
  U.S. government obligations.... 789, 797
  U.S. international.... 1356, 1357, 1363
Iowa. See State data.
Iran. See Foreign countries.
Ireland (Eire). See Foreign countries.
Iron (see also Steel):
  Ore.... 1176, 1177, 1181, 1182, 1184, 1186, 1200 1376
    Foreign trade.... 1184, 1200, 1376, 1377
    Mining industry.... 1176, 1186
      Productivity.... 658
    Prices.... 764, 787, 1181
    Production.... 1177, 1182, 1200
      World.... 1200, 1400, 1432
  Pig.... 1400
Iron (nutritional), available for human consumption.... 197
Iron and steel, manufacturing (see also Metals industries, primary):
  Capital.... 678, 1265, 1298
  Earnings.... 657, 1265
  Employees.... 645, 646, 657, 1265, 1298
  Establishments.... 1265
  Foreign trade.... 1298, 1300, 1371, 1377
  Output.... 1182, 1300
  Producer price indexes.... 1219
  Productivity.... 658
  Profits.... 892
  Sales, shipments, receipts.... 1265, 1298
  Value added.... 1265
Irrigation.... 340, 341, 523, 1065
Israel. See Foreign countries.
Italy. See Foreign countries.
Ivory Coast. See Foreign countries.

J

Jamaica. See Foreign countries.
Japan. See Foreign countries.
Japanese population.... 45
Jewelry, silverware, and plated ware, manufacturing:
  Earnings.... 657, 1265
  Employees.... 657, 1265
  Establishments.... 1265
  Sales, shipments, receipts.... 1265
  Value added.... 1265
Jewelry stores:
  Earnings.... 1326
  Employees.... 1326
  Establishments.... 1326
  Inventories.... 1331
Jewish population. See Religion.
Job Corps.... 570
Jogging.... 379, 389
Jordan. See Foreign countries.
Judicial service (Federal):
  Budget outlays and authority.... 495
  Employees and payrolls.... 514, 520
  Expenditures.... 490

Table
Juices.... 195, 196
Jute and jute manufactures, foreign trade.... 764
Juveniles:
  Arrest.... 293
  Correction facilities.... 78, 316
  Court cases.... 315

K

Kansas. See State data.
Kentucky. See State data.
Kenya. See Foreign countries.
Keogh plans, payments to.... 508
Kiwi fruit.... 1132
Knit goods, manufacture.... 657, 1265
Korea. See Foreign countries.
Korean conflict.... 537
Korean population.... 45
Kuwait. See Foreign countries.

L

Laboratories, medical and dental.... 1346, 1347
Labor force, employment, and earnings (see also individual industries or occupations):
  Average pay, States.... 664
  City government.... 486-488
  Civilian labor force:
    Adult education participants.... 275
    American Indian, Eskimo, Aleut population.... 45
    Asian and Pacific Islander population.... 45
    Black population.... 44, 621, 622, 625, 635, 636, 642
    Educational attainment.... 635, 643, 644
    Employed... 620, 622, 623, 625-633, 635, 636, 639, 641-646
    Female.... 622-625, 640
      Age of children.... 639
      Children in preprimary schools.... 209
      Marital status.... 637-639
    Full-time, part time.... 629
    High school graduates, dropouts.... 243
    Hispanic origin population.... 44, 630, 642, 645
    Minimum wage workers.... 674, 675
    Multiple jobholders.... 633
    Not at work.... 626
    Participation rates.... 621-623, 637-640
      Selected countries.... 1420, 1428
      Wives, by age of youngest child.... 640
    Projections.... 621
    Race.... 44, 45, 621, 622, 625, 630, 635, 636, 642
    School enrollment, persons 16 to 24 years old.... 636
    Self-employed workers.... 627
    States.... 623
    Unemployed... 620, 622, 623, 625, 629, 630, 635, 636, 639, 647-653
    Women who gave birth in previous year.... 96, 97
    Work schedules.... 631, 632
  Collective bargaining settlements.... 483, 676-678
  Corporations and merchandising firms.... 665
  Corrections.... 301, 302
  Disabled persons.... 592
  Earnings.... 655, 656, 660-668
  Earnings and compensation, year-to-year change.... 662
  Elderly.... 41, 621, 624-626, 637, 647
  Employee benefits.... 580, 670-672
    Government employees.... 482
  Employees.... 655-657
    States.... 656
  Employment cost index.... 669
  Employment projections.... 641, 648
  Employment taxes and contributions.... 490
  Engineers and scientists.... 641, 642, 983, 987
  Farm. See Farmers and farmworkers.
  Farm population.... 1075, 1077
  Female.... 622-625, 638-640
  Foreign-owned firms.... 1362
  Government. See Government.
  Help wanted advertising.... 654
  High school graduates and dropouts.... 243
  Hispanic origin population.... 621, 622, 630, 645, 647, 649
  Hours.... 665, 666
  Indexes of compensation.... 669
  International comparisons.... 1426, 1427
  Iron and steel industry.... 1298
  Job openings and placements.... 654
  Judicial and legal.... 301
  Law enforcement.... 301, 302

Table

Labor force, employment, and earnings (see also individual industries or occupations)—Continued
Lumber and wood products ... 1145
Manufacturing industries ... 884
Minimum wage workers ... 674, 675
Multimedia users ... 901
Multiple jobholders ... 633
Nonproduction workers, manufacturing industry... 1264, 1265, 1268
Occupational groups. See Occupations and individual occupations.
Occupational safety ... 680, 681
Physicians. See Physicians.
Production workers:
Earnings ... 657
Manufacturing industry ... 1264, 1265
Productivity ... 658, 659, 1110
Scientists and engineers ... 983, 984, 986
Social insurance coverage (see also Social insurance)... 572, 573, 575, 600
State and local government. See Government.
Travel industry ... 409
Unemployed workers (see also Unemployment):
Age ... 625, 629, 636, 647
Alternative measures ... 652
American Indian, Eskimo, Aleut population ... 45
Asian and Pacific Islander population ... 45
Black population ... 44, 622, 625, 635, 636, 647, 649
Educational attainment ... 635, 649
High school graduates and droputs ... 243
Hispanic origin population ... 44, 622, 630
Industry ... 650
International comparisons ... 1426
Occupation ... 651
Race ... 44, 622, 625, 629, 630, 635, 636, 640, 647
Reason ... 648
Sex ... 622, 623, 625, 629, 630, 635, 636, 639, 647-650
States ... 623, 653
Union membership ... 682-684
Women in the labor force. See Women.
Workdays lost ... 175
Worklife expectancy ... 634
Work schedules ... 631, 632
Work stoppages ... 679
Youth employment programs ... 570
Labor management relations ... 483, 676-678
Labor organizations or unions ... 676-678, 682-684
Collective bargaining settlements ... 676-678
Earnings ... 1347
Employees ... 1347
Establishments ... 1347
Membership ... 682-684
Labor strikes ... 679
Lamb and mutton (see also Meat and meat products) ... 194
Lambs. See Sheep and lambs.
Land (see also Farms and Public lands):
Area:
Cities ... 39
Coastal ... 34
National parks ... 371-373
Outlying areas ... 331
United States ... 1, 522
Farmland ... 333, 336, 1079, 1085, 1086
Federal land ... 522, 523
Foreign investors ... 1360, 1362
Forest, area and ownership ... 333, 336, 1142-1144
Ownership ... 333
Parks ... 371, 372, 376
Urban land and area ... 336
Utilization ... 333, 336
Laos. See Foreign countries.
Larceny, larceny-theft ... 277-280, 284, 285, 288
Motor vehicles ... 293
Lard ... 194
Latex. See Rubber and rubber goods.
Laundry appliances ... 1321
Laundry, cleaning, and garment services:
Earnings ... 657, 1346, 1347
Employees ... 657, 1346, 1347
Establishments ... 1339, 1346, 1347
Productivity ... 658
Sales, shipments, receipts ... 1330, 1346, 1348
Law degrees conferred ... 267-271
Law enforcement (see also Courts, crime, and correctional institutions):
Arrests ... 292-293
Drug enforcement ... 286, 310
Employees ... 288, 289, 302, 462, 465, 468, 627
Expenditures ... 288, 289, 302, 437, 442, 454, 455, 471
Police officers ... 283, 289-302, 462, 465, 468, 627

Table

Wiretaps ... 287
Lawn care ... 390
Lawyers (see also Legal services) ... 303, 304
Employment ... 642
Projections ... 641
Lead and zinc ores, mining industry ... 1176
Lead, summary ... 1176, 1177, 1180, 1184, 1203
Air quality ... 344-346
Foreign trade ... 1184, 1203
Mining industry ... 1176
Prices, New York and London ... 767, 1181, 1203
Production and supply ... 1177, 1203
Water quality ... 342
World production ... 1182, 1203, 1432
Leases, permits and licenses, public lands ... 525
Leather and leather products, manufacturing (see also Hides and leather products, and Footwear):
Capital ... 1265
Earnings ... 657, 1265, 1394
Employees ... 646, 657, 1265, 1280, 1394
Energy consumption ... 940
Establishments ... 1265, 1394
Gross national product ... 686
Occupational safety ... 681
Productivity ... 1273
Sales, shipments, receipts ... 1394
Starts and failures ... 865
Value added ... 1394
Lebanon. See Foreign countries.
Legal services:
Earnings ... 657, 1346, 1347, 1393
Employees ... 645, 646, 657, 1323, 1347, 1393
Establishments ... 1347
Finances ... 1346, 1349
Gross national product ... 686, 1322
Occupational safety ... 681
Receipts ... 1346, 1348
Starts and failures ... 865
Legislative service (Federal):
Budget authority ... 495
Legislatures, State compositon ... 427, 428
Leisure activities. See Recreation.
Lemons ... 1132
Lend-lease, grants and credits ... 1364
Leprosy ... 177
Lesotho. See Foreign countries.
Lettuce ... 769, 1131
Consumption ... 185
Liberia. See Foreign countries.
Libraries ... 272-274
By type ... 273
College and university ... 257-272
Elementary and secondary schools, media centers ... 230
Employees ... 487
Grants, foundations ... 618
Patron use of computers ... 274
Libya. See Foreign countries.
Licensed drivers, by age groups ... 1024
Licenses, permits, etc.:
Fishing and hunting ... 391
Public lands ... 525
Taxes ... 458
Life expectancy ... 106-109
Foreign countries ... 1402, 1405
Life insurance ... 836-840
Capital ... 836
Establishments ... 836
Finances ... 784-789, 792, 796, 808-810, 836, 837, 840, 1090
Flow of funds ... 784
Individual Retirement Accounts ... 582
In force ... 838, 840
Mortgage loans outstanding ... 808
Ownership by households and adults ... 839
Reserves ... 784, 786, 787, 836
Sales ... 836
Life sciences ... 985, 987, 989
Degrees conferred ... 267, 270
Employment ... 983-985, 987
Graduate students ... 986
Light and power. See Electric light and power industry.
Lighting equipment, manufacture. See Electric and electrical equipment.
Lime, summary ... 767, 1177, 1158
Limes ... 1132
Liquefied petroleum gases ... 1194
Liquor stores, retail:
Earnings ... 1325, 1326
Employees ... 1325, 1326
Establishments ... 1325, 1326
Inventories ... 1331

Table

Liquor stores, retail—Continued
  Productivity ... 658
  Sales ... 1325, 1329
Livestock and livestock products (see also Animals, domestic, and individual classes):
  Commodity futures trading ... 835
  Consumption ... 194
  Farm marketings ... 1095, 1096, 1100
  Farm output and marketing indexes ... 1111, 1113
  Foreign trade ... 1117, 1119, 1120, 1133
  Labor-hours ... 1111
  Number and value on farms ... 1135
  Prices ... 1103
  Producer price indexes ... 755
  Production ... 1113, 1133-1136
  Productivity, farm ... 1110, 1111
  Purchases ... 1095
Living cost. See Consumer price indexes and Prices.
Loans and mortgages (see also Debt):
  Automobile loans ... 815, 816
  Banks, commercial ... 797, 809, 810, 811, 816
  Consumer credit ... 814
  Credit market, flow of funds ... 784, 786, 787
  Credit unions ... 804
  Delinquency rates ... 812, 816
  Families with debt ... 813
  Farm. See Farm mortgage loans.
  Federal Government loans ... 501
  Federal Housing Administration (FHA) ... 810, 812, 1247
  Foreclosure rates ... 812
  Foreign countries ... 803
  Home mortgage/equity loans ... 816, 1247
  Installment loans ... 814
  Interest rates ... 823
  Land loans ... 809
  Life insurance ... 810, 836
  Minority-operated small businesses ... 868
  Mortgage companies ... 811
  Mortgage pools ... 811
  Mortgages ... 808-810
  Personal loans ... 814
  Purchases and sales ... 811
  Repossessions, bank loans ... 816
  Savings institutions ... 804, 805, 811
  Veterans ... 564, 810
  Veterans Administration (VA) ... 810, 812, 1247
Lobsters ... 1161, 1163, 1166, 1168, 1172
Local government. See individual governmental units and State and local government.
Locomotives (railroad) ... 1037
Lodging industries. See Hotels and other lodging places.
Lotteries ... 483
Loudspeakers ... 1320
Louisiana. See State data.
Louisiana Purchase ... 332, 222
Luggage, manufacturing ... 657, 1265
Lumber and wood products, manufacturing:
  Capital ... 357
  Consumption ... 1146, 1147, 1265
  Earnings ... 657, 1145, 1265, 1394
  Employees ... 646, 657, 1145, 1265, 1394
  Establishments ... 1265, 1394
  Foreign trade ... 1146, 1150, 1157
  Occupational safety ... 661
  Output ... 1146, 1150, 1152, 1273
  Pollution abatement ... 357
  Prices ... 1147, 1148
  Production ... 1146, 1150, 1151
  Productivity ... 658
  Railroad car loadings ... 1038, 1039
  Sales, shipments, receipts ... 1265, 1394
  Starts and failures ... 865
  Value added ... 1265, 1394
  Waterborne commerce ... 1062

M

Macadamia nuts ... 1132
Macao, population and area ... 1403
Machine tools ... 658, 1302, 1376
  Orders and shipments ... 1302
  Productivity ... 658
Machinery, except electrical:
  Foreign trade ... 1262-1265, 1371, 1376, 1377
Machinery, except electrical, manufacturing:
  Capital ... 356, 357, 1276
  Earnings ... 657, 1265
  Employees ... 657, 1265, 1393, 1394
  Energy consumption ... 940

Table

Machinery, except electrical, manufacturing—Continued
  Establishments ... 1265, 1394
  Gross national product ... 686
  Occupational safety ... 661
  Inventories ... 1272
  Patents ... 875
  Productivity ... 658
  Profits ... 894
  Research and development ... 976, 982
  Sales, shipments, receipts ... 894, 1265, 1272
  Starts and failures ... 865
  Value added ... 1265, 1394
Mackerel, Pacific ... 1161, 1165, 1166, 1169
Madagascar. See Foreign countries.
Magazine advertising expenditures ... 919-921
Magnesium:
  Consumption ... 1213
  Prices ... 767
  Production and value ... 1177, 1213
  Shipments of mill products and castings ... 1299
  World production ... 1182, 1213
Mail (see also U.S. Postal Service) ... 896
Maine. See State data.
Malaria ... 177
Malawi. See Foreign countries.
Malaysia. See Foreign countries.
Male householder. See Households or families.
Mali. See Foreign countries.
Malpractice insurance, medical ... 841
Malt liquors (see also Beverages, manufacturing) ... 1120, 1287
  Consumption ... 196
Malta. See Foreign countries.
Managers. See Proprietors, etc.
Manganese:
  Foreign trade ... 1184, 1217
    Import prices ... 764
  Mining industry ... 1186
  Production and value ... 1177, 1217
    World ... 1432
Manmade fibers and fabrics (see also Foreign trade and specific items) ... 1292
Manufactured products (see also individual products):
  Exports, U.S. as compared to world ... 1277
  Foreign trade ... 1349, 1371
  Individual commodities ... 1376, 1377
  Production indexes ... 1273
    World ... 1400
  Quantity and value indexes ... 1375
Manufacturers' excise taxes ... 505
Manufacturing companies, large ... 1266
Manufacturing industry (see also individual industries):
  Capital ... 1275
  Collective bargaining settlements ... 676, 677
  Depreciation ... 1270
  Earnings ... 655, 657, 660, 661, 663, 1264, 1265, 1267, 1268, 1393, 1399
  Economic indicators ... 880
  Employees ... 645, 646, 655-657, 660, 859, 1264, 1265, 1279, 1280, 1393, 1399
  Energy consumption ... 940
  Establishments ... 848, 860, 1264, 1265, 1268, 1399
  Finances ... 856, 884, 885
  Foreign investments in U.S. ... 1359, 1360-1362
  Form of organization ... 1264
  Gross national product ... 686, 698, 1390, 1391
  Inventories ... 1272
  Investment abroad ... 1363
  Occupational safety ... 660, 661
  Outlying areas of United States ... 1393, 1394, 1399
  Pollution abatement ... 354-357
  Productivity ... 658, 659, 1273, 1274
  Profits ... 848, 856, 890
  Sales, shipments, receipts ... 848, 856, 863, 887, 1264, 1265, 1271, 1272, 1280, 1303, 1321
  Solid waste disposal ... 350
  Starts and failures ... 865
  Union membership ... 684
  Value added ... 1264, 1265, 1268
Margarine ... 194
Marihuana, persons using ... 191
Marine communication, private radio stations ... 906
Marine Corps ... 544-545, 548
  Active duty personnel and dependents ... 551
Marital status of population ... 49-51, 54, 57
  Black population ... 127
  By presence of children ... 64
  Couples with or without own household ... 58
  Employed persons ... 626
  Female householder ... 72

Table
Marital status of population—Continued
  Hispanic origin population... 54
  Household income... 713
  Householder status... 57, 62
  Labor force participation rates... 637
  Nonfamily householder... 74
  Single persons, by age and sex... 52
    Elderly... 41
  Sex and age... 51
  Unmarried couples... 56
  Women in the labor force... 638, 639
  Work schedules... 631, 632
Marriage and divorce (see also Marital status)... 127-134
  Median age at first marriage... 130
  Outlying areas of U.S... 1384, 1385
  Rates... 83, 127, 134
  Remarriages... 129, 130
Married couples. See Households or families.
Married persons. See Marital status.
Martinique, population and area... 1403
Maryland. See State data.
Massachusetts. See State data.
Maternal and child health service, expenditures for... 136, 566
Mathematics:
  Degrees conferred... 267, 271
  Employment... 983-985, 987
  Graduate students... 988
  Salary offers... 224, 265
Mauritania. See Foreign countries.
Mauritius. See Foreign countries.
Measles... 177
Meat and meat products (see also Food and kindred products, and individual meats)... 1376
  Consumer expenditures... 1104
  Consumption... 194
  Foreign trade... 1117, 1119, 1133, 1376, 1377
  Production... 1133, 1400, 1439
Meat and meat products, manufacturing... 657, 1265
Medicaid:
  Coverage, recipients... 146, 569, 570, 598, 599
  Expenditures... 142, 566, 569, 597, 599
  Nursing homes... 169, 170, 599
Medical care (see also Health and Health services):
  Diagnostic services... 154
  Expenditures for... 136-142, 569
    Per capita... 136
  Insurance benefits... 136, 139, 843, 844
    Expenditures for... 136, 139
  Price indexes, consumer... 144, 758, 760
Medical instruments, manufacturing... 657, 1266
Medical research... 136, 137
  Foreign graduates... 149
  Number, students, graduates... 149, 268
Medical sciences, employment... 641, 642
Medical services. See Health services.
Medicare:
  Benefit payments, expenditures... 135-137, 142, 566, 594, 595
  Contributions... 574, 577
    Rates... 576
  Coverage, enrollment... 146, 594, 595, 597
    Persons served... 595
  Medical research... 136
  Nursing homes (skilled nursing facility)... 169, 170
  Trust fund... 577
  Utilization and charges... 596
Medicines. See Drugs and medicines.
Melons... 1131
Membership organizations:
  Earnings... 657, 1346
  Employees... 646, 657, 1323, 1346
  Establishments... 1346
  Finances... 1346
  Gross national product... 686, 1322
  Starts and failures... 865
  Volunteers... 614
Members of Congress. See Congress, U.S.
Memorials, national... 372
Menhaden... 1161, 1163, 1166
Meningitis... 177
Mental health... 157, 158, 164, 174
Mental hospitals... 76, 180
Mentally retarded... 172, 173
Merchandise. See Foreign trade and General merchandise stores.
Merchant vessels... 1067
  Employment and wage scale... 1069
  Foreign countries... 1073
  Number... 925, 1065, 1071, 1073
    Horsepower... 925

Table
Merchant vessels—Continued
  Number—Continued
    Lost... 1072
    Tonnage... 1066
    World... 1073, 1400
Mergers and acquisitions... 872, 873
Mercury (quicksilver)... 1172, 1182, 1186
Metal and metal products (see also individual metals)... 1039, 1176-1178, 1181, 1182, 1184, 1186
  Prices... 747, 748, 1159,
  Production and value... 1175, 1177, 1182
    Indexes of production... 1175, 1273
    World production... 1182, 1400, 1431, 1432
  Railroad, car loadings of... 1038, 1039
  Spot market price indexes... 750
  Strategic and critical materials... 1161
Metal industries, primary, manufacturing (see also Iron and Steel):
  Capital... 677, 678
  Earnings... 657
  Employees... 646, 657, 1245, 1270, 1280
  Establishments... 1265
  Finance... 1298
  Foreign trade... 1282-1284, 1298, 1376, 1377, 1379
  Gross national product... 686
  Occupational safety... 681
  Pollution abatement... 356, 357
  Producer prices... 757
  Productivity... 658, 1273
  Profits... 687, 692, 694
  Sales, shipments, receipts... 1265, 1272, 1280, 1299, 1301
  Value added... 1272
Metal mining... 1174
  Earnings... 657
  Employees... 657
  Occupational safety... 681
  Productivity... 658
Metal products, fabricated, manufacturing... 1265, 1272, 1273, 1276, 1278, 1394
  Capital... 1276, 1278
  Earnings... 657, 1265
  Employees... 646, 657, 1265
  Establishments... 1265
  Finance... 1298
  Foreign trade... 1282-1284, 1298
  Gross national product... 686
  Patents... 875
  Productivity... 1273
  Sales, shipments, receipts... 1265, 1272, 1299, 1301
  Starts and failures... 865
  Value added... 1265
Metal working machinery... 657, 1265, 1376
Metropolitan areas:
  Air traffic hubs... 1045
  Earnings... 665
  Employment, government... 515
  Homeowners equivalent rent, indexes... 774
  Housing:
    Prices... 773, 1236
    Vacancies... 1253
    Year built... 1253
  Income... 702
  Land area... 32
  Office construction... 1259
  Population... 32, 33, 35, 37
  Price indexes... 770, 773, 774, 776
Mexican population... 45
  Labor force... 630
Mexican War, cost... 537
Mica... 1177, 1182, 1186
Michigan. See State data.
Microcomputers. See Computers.
Microcontrollers and chips... 1311
Microphones... 1320
Microwave ovens... 1320, 1321
Migration... 24-26
Military expenditures, worldwide... 533
  Foreign countries... 1447
Military hardware... 542
Military personnel:
  Casualties... 547, 548
    Vietnam conflict... 547
  Contract awards... 532
  Construction, value of building... 1222
  Discharge, by type... 552
  Expenditures... 527
  National Guard... 555
  Payroll... 532
  Personnel... 532, 544

Table

Military personnel—Continued
  Personnel—Continued
    Foreign countries 545
  Reserves, by branch 553
    Costs, by branch 554
  Selective service, inductees 549
    By war 548
Military retirees 543
Milk, cream and other dairy products:
  Consumption 194, 196
  Expenditures, consumer 709
  Prices 769, 1134
  Production 1134
  Sales 1134
Millinery, manufacture 1265
Millwork manufacture 1265
Milo. See Sorghum for grain.
Mineral leases, public 524, 525
Minerals and mineral products (see also Mining and individual minerals):
  Foreign trade 1184, 1186
    Waterborne commerce 1062
  Fuels production and consumption 926
  Imports as percent of consumption 1186
  Prices 764-766, 1181
  Production 1173, 1175, 1177, 1178, 1182
    Foreign countries 1433
    Indexes 1273
    Value 1173, 1177, 1178
    World 1182, 1432
  Strategic and critical materials 1183
Minerals, non-metallic, except fuels, mining:
  Capital 1176, 1180
  Earnings 657, 1176, 1180, 1393
  Employees 657, 1176, 1180, 1393
  Establishments 1176
  Gross national product 1174
  Occupational safety 681
  Productivity 658
  Sales, shipments, receipts 1176
  Value added 1176
Mining industries (see also Minerals and mineral products and individual minerals):
  Assets 856, 887, 1177
  Capital 877, 878, 1173, 1176, 1179
  Earnings 655, 657, 660, 661, 1173, 1176, 1265, 1393
  Employees 645, 646, 655, 657, 660, 1173, 1176 1180, 1265, 1393
  Establishments 1173, 1176
  Finances 856, 887, 1179
  Foreign countries, production 1433
  Foreign investments in the U.S. 1360-1362
  Gross national product 1174
  Investment abroad 1363
  Occupational safety 680, 681, 1165
  Partnerships 852
  Productivity 658
  Profits 848, 887
  Receipts 848, 887, 1173, 1176
  Shipments 1173, 1176
  Starts and failures 865
  Union membership 684
  Value added 1176
Minnesota. See State data.
Mint (peppermint and spearmint) 1131
Mississippi. See State data.
Mississippi River traffic 1060
Missouri. See State data.
Mobile homes 1234, 1241
  Capital stocks 1240
  Loans 815
Mobility status of population 25, 1244
Molasses 1130
Molybdenum, summary 1177, 1182, 1184
  Foreign trade 1184
  Production and value 1177
  World production 1182
Monetary system and banks, flow of funds 784, 785
Money market accounts, funds 745, 747, 784-787, 825
  Families using 745, 747, 784, 786, 818
Money market rates 823, 825, 1444
Money orders 818, 896
Money supply (stock) 821
Monitors 1308, 1321
Montana. See State data.
Monuments, national 372
Morocco. See Foreign countries.
Mortgage pools and trusts 811
Mortgages. See Loans and mortgages.
Motion pictures industry:
  Earnings 657, 1346, 1347

Table

Motion pictures industry—Continued
  Employees 657, 1323, 1346, 1347
  Establishments 1346, 1347
  Gross national product 1322
  Receipts 1346, 1348
  Starts and failures 865
Motor fuel 1026, 1027, 1029
  Advertising expenditures 922-924
  Consumption:
    Certificated route air carriers 1044
    Civil aviation 1050
    Motor vehicles 1026
  Expenditures 708, 1029
  Supply 1027
  Taxes 458, 506, 1009
    States 1009
Motor homes 1016
Motor vehicle dealers, retail:
  Earnings 1325, 1326, 1340
  Employees 1325, 1326, 1340
  Establishments 1325, 1326, 1339, 1340
  Finances 1340
  Franchises 1229, 1340
  Inventories 1331, 1340
  Sales 1325, 1329, 1337, 1339, 1340
Motor vehicles:
  Accidents/deaths 123, 124, 1001, 1018-1020
    Foreign countries 1407
  Advertising expenditures 922-924
  Automobiles, factory-installed equipment 1371
  Common carriers 1000, 1031-1033, 1035, 1036
  Drivers licenses, by States 1010
    By age group 1014
  Farm expenditures 1107
  Foreign trade 1011, 1371, 1376, 1377
  Fuel consumed 1026
  Horsepower 925
  Insurance 841-842
  Miles of travel 1012
  National income accounts 1014
  Ownership 1029, 1249, 1250
    Family income 1029
  Passenger outlays 998
  Pollutant emissions 346
  Price indexes, consumer 760
  Productivity 658
  Railroad car loadings 1036
  Recalled for safety defects 1022
  Recreational vehicles 1016
  Registrations 1011-1013
  Scrapped 1011
  Service and repair shops. See Automotive repair, services, and parking.
  Taxes, licenses and motor fuel 458
  Theft 277, 280, 284, 285, 28
  Trucks 1011, 1015, 1020, 1025, 1026
Motor vehicles and equipment, manufacturing:
  Capital 877, 87
  Earnings 657, 1265
  Employees 646, 657, 1265, 1270, 1280
  Establishments 1265
  Foreign trade 1282-1284, 1376, 1377, 1379
  Gross national product 686, 1014
  Inventories 1272
  Occupational safety 681
  Pollution abatement 356, 357
  Productivity 658, 1273
  Profits 887, 892, 89
  Research and development 976, 98
  Sales, shipments, receipts 894, 1011, 1013, 1265, 1272, 1277, 1290, 1301, 1319, 1400
  Value added 1265
  World production 1400
Motorcycles 1012, 1013, 1017, 1377
  Accidents and deaths 1018
  Foreign trade 1377
  Manufacturing 1265
Mozambique. See Foreign countries.
Mullet, catch 1161, 116
Mumps 177
Municipal and State bonds 624, 82
Municipal waste 34
Municipalities. See Cities and Metropolitan areas.
Murders 123, 277-281, 29
Museums, botanical, zoological gardens:
  Finances 398, 39
  Federal aid 39
  Occupational safety 681
  Receipts 39

Table
Museums, botanical, zoological gardens—Continued
  Starts and failures 865
  Visitations 398
Mutton (see also Meat and meat products) 194, 1133
Mutual funds 786, 824

N

National Aeronautics and Space Administration 975
  Budget authority and outlays 495, 993
  Employment 520, 995
  Expenditures, research and development 970
    Space program 991-996, 1055
  Space launches 997
National Association of Securities Dealers (NASDAQ) 831
National banks. See Banks.
National debt. See Debt.
National defense (see also individual military services):
  Contract awards and payrolls 532
  Cost of American wars 537
  Employment, defense-related industries 531
  Expenditures, space program 991
  Expenditures, world 533
  Federal employment and payrolls 480
  Federal outlays 489, 490, 527, 530
    Research and development 530
  Military forces 545-547
    Armed Forces personnel, foreign countries 1450
    Branch of service 549
  Outlays 526
  Procurement actions, net value 531
  Worldwide military expenditures 533
National forests. See Forests.
National Guard 555
National health expenditures 235-237
  Percent of GNP 235
National income (see also Gross national product) 690-692
  By sector 692
  By type of income 692
  Percent distribution, percent change 703
NATO countries, military expenditures 533
Natural gas plant liquids 1192
Natural resources:
  Federal outlays 490
  Governmental finances 447
    Aid to State and local governments 451
    State and local government 453
    State governments 458, 460
    Government employment and payrolls 480
  Governmental revenue 447
Naturalization 47
Nature study (recreation) 374
Navy 540, 544, 548-550
  Active duty personnel and dependents 551
Nebraska. See State data.
Nectarines 1132
Neonatal deaths (see also Deaths and death rates) 113, 114
Nepal. See Foreign countries.
Netherlands. See Foreign countries.
Netherlands Antilles. See Foreign countries.
Nevada. See State data.
New Hampshire. See State data.
New business incorporations 863, 864
New Jersey. See State data.
New Mexico. See State data.
New York. See State data.
New York Stock Exchange 826, 829
New Zealand. See Foreign countries.
Newspapers:
  Advertising expenditures 919, 920, 924
  Audience characteristics 381
  Establishments 912
  Expenditures, consumer 377
  Foreign countries 1420
  Frequency of publication 913
  Number and circulation 900, 914, 915
    Foreign countries 1420
  Reading by demographic groups 901
Newspapers, manufacturing:
  Capital 912
  Earnings 657, 912, 1265
  Employees 657, 912, 1265
  Establishments 912, 1265
  Finances 912
  Inventories 912
  Sales, shipments, receipts 912, 1265
  Value added 912, 1265
Newsprint 1153, 1154
  Imports 1377
    Prices 764

Table
    World production 1400
Nicaragua. See Foreign countries.
Nickel 767, 1177, 1182, 1184, 1186, 1206
  Foreign trade 1184, 1206, 1377
  Import prices 764
  Mine production 1177, 1182, 1206
    World 1432
Niger. See Foreign countries.
Nigeria. See Foreign countries.
Nitrogen (agriculture) production 1192
Nitrogen in ammonia, world production 1432
Nobel prize laureates 990
Nonferrous metals and products. See Metals and metal products.
Nonfinancial corporations. See Corporations.
North Carolina. See State data.
North Dakota. See State data.
Norway. See Foreign countries.
Nuclear power 961
  Capability 952, 959, 960
  Commercial generation, by country 960
  Consumption 926, 927, 929, 931
  Production 925, 926, 943, 952, 959, 960, 962
  Reactors 959, 960
  State data 962
  Waste discharged fuel 961
Nurses, nursing personnel 149, 168
  Employment 642
    Projections 641
Nursing and personal care facilities:
  Discharges 171
  Earnings 1346, 1347
  Employees 157, 168, 646, 657, 1346, 1347
  Establishments 157, 168, 169, 1346, 1347
  Expenditures 137, 138, 141
    Consumer 137, 138
  Finances 1346, 1349
  Receipts 1346
  Residents 168-170
Nursing programs, students, and graduates 149, 271
Nutrition:
  Consumption of major commodities 194-196
  Nutrients and nutritional intake 197, 198
Nuts:
  Cash receipts, marketing 1096
  Foreign trade 1117, 1376, 1377
  Production 1113, 1132
  Productivity 1111
Nylon yarn, export prices and distribution 764

O

Obstetrician 152, 156
Occupational safety 142, 680, 681
Occupations (see also individual occupations):
  Black population 642
  Earnings 666, 668
  Employment:
    Black population 642
    Hispanic origin population 630, 642, 645
    Projections 641
    Race 642
    Sex 642-645
  Employment cost index 669
  Foreign born population 47
  Hispanic origin population 630
  Income 714
  Labor union membership 684
  Pension plan/health plan coverage 671
  Sex, and educational attainment 644
  White-collar and blue-collar workers 515-669
  Work schedules 631, 632
Ocean perch, Atlantic 1163
Office equipment. See Computer and office equipment.
Office buildings 1222, 1226
Offshore leases 1191, 1259-1262
Ohio. See State data.
Oil and gas extraction (see also Petroleum and products, and Gas):
  Capital 877, 1176, 1179
  Earnings 657, 1176, 1180
  Employees 657, 1176, 1180
  Establishments 1176
  Gross national product 1174
  Occupational safety 681
  Output 1175
  Partnerships 852
  Patents 875
  Sales, shipments, receipts 1176

Table

- Oil and gas extraction (see also Petroleum and products, and Gas)—Continued
  - Value added.... 1176
- Oil crops.... 1096, 1111, 1119, 1125
- Oil spills.... 343, 1070
- Oils:
  - Animal (oils and fats).... 194, 1117
  - Animal and vegetable, foreign trade... 1115, 1117, 1376, 1377
  - Fish.... 1170, 1172
  - Lubricating.... 1376
  - Vegetable:
    - Export prices.... 764
    - Foreign trade.... 1376
    - Production, consumption, and stocks.... 194, 1115
- Oklahoma. See State data.
- Old-age assistance, public.... 605
- Old-age pensions. See Pensions.
- Old-age, survivors, disability, and health insurance. See Social insurance.
- Olives.... 1132
- Oman, population and area.... 1403
- Onions.... 1131
- Opera.... 396, 397
- Operations performed, medical.... 165
- Ophthalmologists.... 152, 156
- Optical instruments, manufacturing.... 657, 1265
- Optometrists.... 138, 1347
- Oranges.... 195, 1096, 1132
- Oregon. See State data.
- Ores, crude. See individual ores.
- Organ transplants.... 166
- Orphans.... 9, 611
- Osteopaths (see also Physicians).... 149, 150
- Outdoor recreation activities (see also Amusements, Recreation and specific forms of recreation).... 374, 388, 389
- Outlays, Federal budget.... 492, 493
- Outlying areas:
  - Accession.... 332
  - Agriculture, summary.... 1398
  - Aid by U.S. Government.... 1365
  - Area.... 331, 332, 1364
  - Banks and banking.... 796
  - Births and deaths.... 1361, 1365
  - Business, summary.... 1393, 1398
  - Climate (Puerto Rico).... 359-369
  - Commerce.... 1396
  - Construction industry.... 1395
  - Earnings.... 1393-1395, 1399
  - Education.... 249, 1388, 1410
    - Attainment.... 1394
    - Enrollment.... 1386
  - Employees.... 1393-1395, 1399
  - Establishments.... 807, 1394, 1395, 1399
  - Federal payments to individuals.... 1387
  - Finances.... 807, 1392
    - Geographic data.... 337
  - Government receipts and expenditures.... 1392
  - Government, summary.... 1397
  - Gross national product.... 1390, 1391
  - Hospital facilities.... 159
  - Income.... 1386, 1388
  - Labor force and employment.... 1386, 1388, 1389
    - Unemployment.... 1386
  - Manufactures (Puerto Rico).... 1394
  - Marriage and divorce.... 1395
  - National forest (Puerto Rico).... 1142
  - Population and/or area.... 331, 332, 1360, 1361, 1388, 1403
  - Population and characteristics.... 25, 1364
    - Components of change.... 1361
  - Public aid.... 607
  - Public libraries.... 273
  - Social insurance.... 579
  - Tourism.... 1388
  - Unemployment insurance.... 588
  - Vital statistics.... 1361, 1365
- Outpatient care facilities.... 1347, 1348
- Oysters.... 1161, 1163, 1167-1169, 1172

P

- Pacific Islander population.... 45
- Pacific Islands, Trust territory of the U.S. See Outlying areas.
- Paints and allied products, manufacturing.... 657, 1265
- Pakistan. See Foreign countries.
- Panama. See Foreign countries.
- Papayas.... 1132
- Paper and allied products, manufacturing:
  - Capital.... 356, 357, 877, 878
- Paper and allied products, manufacturing—Continued
  - Earnings.... 657, 126
  - Employees.... 657, 1265, 127
  - Establishments....
  - Finances....
  - Gross national product....
  - Occupational safety....
  - Output....
  - Pollution abatement.... 3
  - Productivity.... 65
  - Railroad car loadings.... 103
  - Sales, shipments, receipts.... 1265, 1266, 1272, 12
  - Starts and failures....
  - Value added....
- Paper and paperboard products....
  - Foreign trade....
  - Production.... 115
  - Recycling.... 33
- Paperboard, producer prices.... 75
- Papua New Guinea, population and area....
- Paraguay. See Foreign countries.
- Parks.... 370, 3
  - Finances....
  - Government employment and payrolls....
  - National.... 3
    - Visits....
  - State....
- Parolees (see also Correctional institutions, and Priso and prisoners)....
- Parties, political. See Political parties.
- Partnerships, establishments and finances.... 692, 846-
- Passenger transit industry (see also Passengers):
  - Earnings.... 6
  - Employees.... 6
  - Occupational safety....
  - Productivity....
  - Starts and failures....
- Passengers (see also Passenger transit industry and va ous transportation modes):
  - Arrivals and departures....
  - Arriving from overseas....
  - Carrier operation, summary.... 1031-1033, 1037, 104
    - Air.... 1037, 104
    - Rail....
  - Outlays, by type of transport....
  - Passenger traffic, volume....
  - Railroads....
  - Regional airlines....
  - Travelers....
- Passports issued, by characteristics of travelers....
- Pastors, number with charges....
- Pastureland, acreage....
- Patents and trademarks.... 674, 8
  - Industry....
- Pathologists....
- Paving and roofing materials, manufacture....
- Payrolls. See Salaries and wages and individual industri
- Peace Corps (ACTION)....
- Peaches....
- Pediatricians (see also Physicians).... 1
- Peanuts.... 194, 109
- Pears....
- Peas....
- Peat....
- Pecans....
- Pennsylvania. See State data.
- Pensions and retirement benefits (see also Social ins ance):
  - Expenditures.... 7
  - Funds (flow of funds)....
  - Government employees.... 482, 516, 571, 5
  - Pension plans by occupation/industry....
  - Private and public plans....
  - Railroad.... 5
  - Retirement and savings plans....
  - Veterans.... 5
- Pens, pencils, office and art supplies, manufacturing:
  - Earnings.... 65
  - Employees.... 65
  - Establishments....
  - Sales,, shipments, receipts....
  - Value added....
- Perch.... 1161, 1165, 116
- Performing arts, selected data.... 3
- Perfume. See Toilet preparations.
- Periodicals. See Printing and publishing.
- Perlite, mine production....
- Personal care products expenditures.... 7

Table
Personal consumption expenditures... 377, 685, 687, 690, 693, 695
  By major type of product... 693, 694
  Food and beverages, foreign countries... 1414
  Recreation... 377
Personal health care... 137, 139, 140
Personal income... 696, 699, 670, 702
  By disposition... 695
  Disposable income... 699
Personal savings... 696, 704
Personal services industry:
  Earnings... 657, 1346, 1347, 1393
  Employees... 642, 645, 657, 1323, 1346, 1347, 1393
  Establishments... 1346, 1347, 1353
  Gross national product... 686, 1322
  Occupational safety... 681
  Productivity... 658
  Sales, shipments, receipts... 1346, 1348, 1353
  Starts and failures... 865
Personnel supply services industry:
  Earnings... 657, 1346
  Employees... 645, 646, 657, 1346
  Establishments... 1339, 1346
  Sales, shipments, receipts... 1339, 1346, 1348
Peru. See Foreign countries.
Pesticides... 351
Pet products, advertising expenditures... 922, 923
Petroleum and coal products, manufacturing:
  Capital... 877, 878, 1276
  Earnings... 657
  Employees... 646, 657, 1265, 1270, 1280
  Energy consumption... 942
  Establishments... 1176
  Finances... 948, 950
  Foreign investments in U.S... 1359-1362
  Foreign trade... 949
  Gross national product... 686
  Occupational safety... 681
  Pollution abatement... 356, 357
  Profits... 892, 948-950
  Research and development... 976
  Sales, shipments, receipts... 1176, 1265, 1272, 1280
  Taxes... 949
Petroleum and products:
  Consumer cooperatives... 862
  Consumption... 925-929, 931, 1186
    Foreign trade... 1186
    States... 929
  Crude oil:
    Drilling costs... 1190
    Foreign trade... 946, 1184, 1369, 1371, 1376, 1377
    Lease revenues... 1191
    Prices... 767, 942, 1181
    Production... 1175, 1177, 1182, 1189, 1191
      Foreign countries... 1432-1434
    Reserves... 1193
  Foreign trade... 944, 947, 949, 1186, 1187, 1379
  International investments... 1363
  Natural gas plant liquid... 1192
  Railroad, carloading of... 1038, 1039
  Stocks... 947
  Strategic petroleum reserve... 947, 1187
  Value added... 1265, 1394
  Wells... 1189, 1190, 1191
    Accidents and fatalities... 1185
    Drilling costs... 1190
    Leases and production... 1191
    Number and production (oil)... 1187, 1189
Pharmaceuticals... 1376
Philanthropy... 615-617
  Corporate... 619, 891
  Expenditures, health... 137, 139, 140
Philippines. See Foreign countries.
Phonograph records and tapes... 384
Phosphate materials:
  Mining industry... 1177, 1182, 1196
  Production and value... 1177, 1182
    World... 1432
Photographic equipment and supplies, manufacturing... 657, 1265
Physical sciences... 985
  Degrees conferred... 267, 270, 271, 989
  Employees... 983, 985, 986
  Graduate students... 986
Physicians... 149-153
  Degrees conferred... 149, 268
  Diagnostic services... 154
  Earnings... 155, 156
  Employment... 642
    Projections... 641

Table
Physicians—Continued
  Expenditures for... 137-141, 143
  Fees... 144
  Foreign medical school graduates... 149
  Medical schools, students and graduates... 147, 268
  Offices... 1346-1348
  Specialty and professional activity... 150, 152
  Type of practice... 150
  Visits to... 153, 154
Physics (see also Physical sciences)... 990
  Nobel prize laureates... 990
  Salary offers... 265
  Scientists employed... 987
Physiology, Nobel prize laureates... 988
Pig iron. See Iron.
Piggyback, railroad carloads... 1036
Pigs. See Hogs.
Pilchard. See Sardines.
Pineapples... 1132
Pipe:
  Iron and steel imports... 1377
  Production and shipments... 1299
Pipelines, except natural gas:
  Building construction, value... 1222
  Capital... 877, 1041
  Earnings... 657
  Employees... 657
  Finances... 1041
  Gross national product... 686
  Occupational safety... 681
  Output... 1041
  Productivity... 658
  Starts and failures... 865
Pistachios... 1132
Pistols. See Firearms.
Plastics products. See Chemicals and allied products, and Rubber and misc. plactics products.
Plates, sheets, etc. (iron and steel), foreign trade... 1376
Platinum-group metals... 1181, 1184, 1186, 1214
  Foreign trade... 1213
Plums and prunes... 1132
Plywood:
  Consumption... 1146, 1147, 1156
  Foreign trade... 1146, 1157, 1377
  Output... 1146, 1156
  Producer price indexes... 1148
Poisoning, deaths from... 126
Poland. See Foreign countries.
Police. See Law enforcement and Public safety.
Poliomyelitis... 177
Political action committees... 442, 444
Political parties:
  Campaign finances... 439
    Political action committees... 442, 444
  Congress, composition of... 418, 421
  Congressional districts... 416
  Governors, by party affiliation... 425
  State legislatures, compositon of... 426, 427
  Voter identification... 435
  Voter registration... 437
  Votes... 411-417, 426, 434
Political TV advertising... 924
Pollard... 1161
Pollock, Atlantic... 1163, 1166, 1169
Pollution:
  Abatement expenditures... 353-357
  Air... 344-348, 354
  Environmental... 346
  Motor vehicle emissions... 346
  Water... 343, 354
Pomegranates... 1132
Pool, billiards... 389
Poor persons. See Income and poverty.
Population (see also Vital statistics):
  Abroad, U.S. population... 4
  Age:
    American Indian, Eskimo, Aleut population... 45
    Asian and Pacific Islander population... 45
    Black population... 18, 21, 28, 44
    Distribution... 13, 19, 21, 27, 30
    Hispanic origin population... 20, 28, 44
    Outlying areas... 1382
    Projections... 30
    Race... 19, 21, 28, 44, 45
    School enrollment... 206
    Sex... 13, 18, 21
    Voting-age population, votes... 432, 433, 436
  Ancestry... 48
  Center... 3
  Cities... 38, 39

Table
Population (see also Vital statistics)—Continued
  Civilian........ 2
  Coastal........ 34
  Components of change........ 1, 5, 15, 26, 87
    Outlying areas........ 1381
    Projections........ 15
  Density........ 1, 22, 34
    Foreign countries........ 1403
  Elderly........ 13, 20, 21, 27, 41-43, 75, 736, 737
    Projections........ 16, 17, 30
  Ethnic origin........ 47
  Farm........ 1075, 1077
  Fertility........ 87, 98
  Foreign born........ 46, 47
  Foreign countries........ 1401, 1403
  Group quarters........ 76
  Hispanic origin. See Hispanic origin population.
  Households and/or families. See Households or families.
  Immigrants........ 6-9, 11, 12
  Institutional........ 76
  Labor force. See Labor force, employment and earnings.
  Marital status. See Marital status of population.
  Metropolitan areas........ 32, 33, 35-37
  Migration........ 24-26
  Mobility........ 25, 1244
  Nativity........ 46
  Naturalizations........ 47
  Outlying areas of U.S........ 22, 1380, 1381, 1382, 1384, 1388
  Place of birth........ 46
  Poverty. See Poverty.
  Projections........ 14-17, 23, 29-31
    Age and sex........ 16, 17, 30
    Black population........ 15-17, 31
    Components of change........ 15
    Hispanic origin population........ 16
    Race........ 15, 17, 31
    World........ 1404
  Race........ 15, 17, 18, 21, 28
  Resident........ 1, 2, 23, 27, 34
  Sex........ 18, 21, 1382
    Age distribution........ 21
    Outlying areas........ 1382
  States........ 22, 26, 28, 30
    Density........ 22
    Households........ 63
    Projections........ 29-31
    Voting age........ 432
  Total, including Armed Forces overseas........ 2, 13, 14, 17
  Townships and special districts........ 469
  World........ 1400, 1402-1404
Pork (see also Meat and meat products):
  Consumer expenditures........ 709
  Consumption........ 194, 1416
    Foreign countries........ 1416
  Foreign trade........ 1120, 1133
  Price, retail........ 769
  Production........ 1133, 1135, 1136
Portland cement........ 1177, 1198
Portugal. See Foreign countries.
Postal rates........ 898, 899
Potash (potassium salts), mining industry........ 1182, 1199, 1432
Potassium........ 1186
Potatoes:
  Acreage........ 1131
  Consumption........ 195
  Prices........ 767
  Production........ 1131
  Productivity, farm........ 1110
  World production........ 1400
Pottery, manufacturing. See Stone, clay, and glass products.
Poultry (see also Eggs):
  Consumer expenditures........ 1104
  Consumption........ 191, 1416
    Foreign countries........ 1416
  Farm marketings........ 1096
  Foreign trade........ 1117
  Prices........ 1137
  Production........ 1113, 1137, 1138
  Productivity, farm........ 1110, 1111
Poverty........ 733, 734, 743
  Children........ 734, 738
  Families........ 45, 734, 741
    Age of householder........ 740
    American Indian, Eskimo, Aleut population........ 45
    Asian and Pacific Islander population........ 45
    Black population........ 739
    Educational attainment........ 740
    Elderly........ 41
    Hispanic origin population........ 44, 739, 740, 743

Table
Poverty—Continued
  Families—Continued
    Housing........ 1251
    Labor force participation........ 740
  Persons........ 44, 734, 738, 742
    Age........ 736, 738, 743
    Black population........ 44, 733, 735, 736
    Children........ 735, 736, 738
    Elderly........ 735, 736
    Hispanic origin population........ 44, 733, 736, 738
Power (see also Electric light and power industry):
  Electric........ 926, 952, 954, 956, 957
    Generating plants privately owned........ 955
    Nuclear energy capacity........ 959
  Horsepower........ 925
  Hydro........ 952
  Nuclear........ 952, 960
  Tractive effort of railroad locomotives........ 1037
  Water........ 968
Power plants. See Electric light and power industry.
Precipitation, selected cities........ 364-366
Prenatal care........ 89, 90
President, U.S........ 411-413, 433, 436
  Campaign finances........ 439-441
Prices (see also individual commodities):
  Agricultural........ 751
  Bonds........ 826, 832
  Books and periodicals........ 383
  Consumer, percent change........ 749, 762, 1424
  Dairy products........ 1134
  Electricity........ 776-779, 932, 951
  Energy........ 934, 941
  Export and import........ 764
  Fish, by species........ 1166
  Food........ 771, 772
  Foreign countries........ 762, 1124
  Housing........ 773, 1233-1235, 1256
  Indexes:
    Colleges and universities........ 257
    Consumer price........ 760-763
      Foreign countries........ 1425
      Medical care........ 144
      Residential rents........ 774
      Selected cities........ 761
    Exports........ 766
    Fixed-weighted........ 752
    Houses, one-family........ 1220
    Imports........ 765, 768
    Producer price........ 756
      Construction materials........ 1219
    Newsprint........ 1154
      Timber products........ 1148
    Producer prices........ 1040
    Public elementary and secondary schools........ 227
    Purchasing power of the dollar........ 748
    Railroad freight........ 1040
    Stage of processing........ 753
    Spot market price........ 750
  Lumber and stumpage........ 1149
  Mineral products (see also individual minerals)........ 767, 1181
  Producer, year-to-year change, selected groups........ 749
  Received by farmers:
    Crops........ 1103, 1120, 1121
    Livestock and products, poultry........ 1103, 1135, 1137
  Stocks........ 826, 832
  Utilities........ 775
Price support operations........ 1123
Prime movers........ 925
Printing and publishing industries:
  Earnings........ 657, 1265
  Employees........ 646, 657, 912, 1265, 1280, 1394
  Establishments........ 912, 1265, 1394
  Finances........ 912
  Foreign trade........ 1379
  Occupational safety........ 681
  Productivity........ 1273
  Profits........ 883, 894
  Sales, shipments, receipts........ 894, 912, 1265, 1394
  Value added........ 1265, 1394
Printing machinery, foreign trade........ 1376
Prisons and prisoners (see also Correctional institutions)... 318-320
  Criminal history........ 319-320
  Death sentence........ 324-327
  Executions........ 326, 327
  Inmate characteristics........ 319, 320
  Sentence, by offense........ 323
Private household workers. See Domestic services.
Probation........ 321

Table
Processed foods and feeds, prices 754
Producer price indexes 755
  Commodity groups 756
  Construction materials 1219
  Purchasing power of the dollar 748
Productivity (see also individual industries):
  Capacity utilization 1274
  Farm output 110-113
  Labor 658, 659, 1110
  Mining industries 1196
Profits 798, 806, 841, 1327, 1351
  Business enterprises 846, 850
  Corporations 691, 696, 846, 850, 888, 889, 892, 1269
Projections:
  Births, birth rates 15
    Foreign countries 1405
  College enrollment 203, 250
  Deaths, death rates 15
    Foreign countries 1405
  Hispanic origin population 16
  Households or families 59
  Labor force 621
    Employees 646
    Employment by occupation 641, 646
  Population 14-17, 23, 1405
    Age 16, 17, 30
    Black population 15,17,31
    Hispanic origin population 16
    Components of change 15
    Race 15, 17, 31
    Sex 16, 17
    States 29-31
  School enrollment 199, 203, 207, 250
  Teachers 297
Property tax 446, 447, 457, 458, 471
  Rates, selected cities 476
  State and local government:
    By State 457
    Revenue 453, 457, 478
    State government revenue 458
Proprietors' income 691, 695
Proprietorships 846-848, 850
Prostitution and commercialized vice 293
Protective service workers. See Public safety.
Protein available for consumption 197
Protestants. See Religion.
Prunes and plums 1132
Psychiatric care and institutions. See Mental health.
Psychology:
  Degrees conferred 267, 270, 271, 989
  Employment 983-985
  Graduate students 996
  Research, U.S. Government obligations for 977
Psychotherapeutic drugs, nonmedical use 191
Public administration. See Government.
Public aid assistance 565, 566, 604, 607
  Benefits paid 505, 566, 596, 605, 607
  Federal aid to state and local governments 451, 452
  Federal expenditures 135, 136, 141, 566, 569, 570, 597, 599
  Health expenditures 135, 136, 141, 566, 569, 570, 597, 599
  Recipients 569, 570, 604-607
  To families 604, 607
Public broadcasting stations 907, 908
Public domain. See Public lands.
Public housing 452, 589, 1228, 1257
Public lands (see also Forests):
  Acquisition and area 334
  Cost and usage 523
  Disposal, summary 524
  Forest land, area 1140, 1143, 1144
  Homestead entries 524
  Leases, permits, licenses 524, 525
  National park system 372
  Ownership 522
  Parks 370, 371
  Receipts from 524
  Recreation 370-372, 375
Public officials, prosecutions 312
Public roads. See Highways.
Public safety (see also Law enforcement):
  Communication, private radio stations 906
  Employees 301
    City government 486-488
    Fire protection 480
    Police protection and correction 484
  Expenditures 301
    City governments 471
    State and local government 453
    State government 458
  Payrolls, city government 486-488
Public safety (see also Law enforcement)—Continued
  Payrolls, city government—Continued
    Fire protection 480
    Police protection and corrections 480
Public schools. See Education.
Publishing industry. See Printing and publishing industries.
Puerto Rican population (see also Hispanic origin population) 44
Pulmonary diseases 117-120
Pulpwood 1146, 1147, 1156
Pumice, production, and value 1177
Pumps and compressors, exports 1376
Purchasing power of the dollar 748
Purses (see also Leather and leather products) 1265
Pyrites 1177

Q

Qatar. See Foreign countries.
Quarries. See Mining industries.
Quicksilver (mercury) 1177

R

Rabies 177
Racetrack operations, business summary 386
Racquetball 388
Radar detectors 1321
Radiologists 152, 157
Radio broadcasting stations:
  Advertising expenditures 920
  Earnings 657
  Employees 657
  Stations 900, 911
    Owned by newspapers, magazines 911
    Private 906
Radios:
  Audience characteristics 901
  Foreign trade 1282, 1284
  Households with 950
  Sales, shipments, receipts 385, 1320, 1321
Railroad employees retirement funds 492
Railroad Retirement Board 520, 566, 571, 573
Railroads:
  AMTRAK 1037
  Construction value 1222
  Carloadings, by commodity 1038, 1039
  Earnings 657, 1037
  Employees 409, 657, 999, 1037
  Equipment in service 1037
  Federal outlays 1002
  Finances 395, 824, 1037
  Freight price indexes 1040
  Freight traffic 925, 1000, 1037, 1038
  Horsepower 925
  Mileage owned and operated 1037
  Occupational safety 681
  Productivity 1037
  Passenger traffic and revenue 1037
  Piggyback 1038, 1039
  Receipts 409
Rainfall, selected cities 364, 365
Ranges. See Stoves and ranges.
Rankings:
  Cities:
    Population 38, 39, 1381
    Residential property tax 476
    World population 1381
  Countries:
    Consumption of beef, pork, poultry 1392
    Exports and imports of wheat, rice, corn 1413
    Population 1403
  Metropolitan areas:
    Immigrants admitted, by intended residence 12
    Population 34, 36
  State:
    Average lifetime 108
    Domestic travel expenditures 410
    Farm marketings 1078
    Government finances 457, 460, 466
    Personal income per capita 682
      Disposable 680
    Population 21, 22, 27
    Public elementary/secondary school finances 229
Rape, forcible 277-280, 283, 285, 287, 293
Raw materials. See Crude materials.

Table
Reading (see also Books and Libraries)... 378, 381, 396
  Consumer expenditures... 378
Real estate assessments... 477, 478
Real estate industry:
  Earnings... 657, 783, 1393
  Employees... 642, 657, 782, 783, 1393
  Establishments... 783, 1339
  Gross national product... 686, 783
  Receipts... 1348
  Sales... 1339
  Starts and failures... 865
Receipts (see also individual industries and Tax receipts)... 1345, 1346, 1348, 1395
  Corporations, partnerships, and proprietorships... 847, 848, 850-852
  Farm marketings... 1089, 1100
  International transportation... 1057
  Revenue:
    Local governments... 446, 447
      City governments... 473
    State and local governments combined... 446, 453, 457, 458
    State governments... 447, 456, 460, 471
    Tax collections... 461
  Trust funds... 492
  United States Government... 446, 447
    Federal... 489, 490
    From national forests... 1141
    From public lands... 524
Record changers... 1320
Recreation (see also Amusement and recreational services):
  Activities... 374, 387-396
  Building construction, value... 1224
  Consumer expenditures... 378-380
  Consumer price indexes... 760
  Employment and expenditures, government... 490
    City governments... 471, 480, 487
    State and local governments... 453, 480
  Parks:
    Government employees and payrolls... 448, 453, 487
    National... 371, 372
      Visits... 370-373, 375
  Participation... 387-389, 392, 393
  Performing arts... 396, 397
  Personal expenditures... 377, 378, 394
  Travel... 401-405, 408, 409
  Volunteers, percent involved... 614
Recreational vehicles... 379, 387
Recycling waste... 349, 350
Refrigerators and refrigeration equipment:
  Foreign trade... 1320, 1376
  Shipments... 1321
Refugees... 9, 10
Religion... 77-79, 81, 615, 616
  Catholics... 77
  Charitable contributions... 616
  Church/synagogue attendance... 77
  Jewish population... 81
  Philanthropy... 615
  Protestants... 77
Religious organizations... 1347
Religious preference... 77
Religious TV viewing by denomination... 80
Remodeling... 1251
Rents... 760, 774, 1425
Repair services. See Automobile repair, services, and parking.
Representatives, U.S. See Congress, U.S.
Research and development:
  Employment... 981, 982, 985, 987
  Expenditures:
    By country... 973
    By industry group... 976
    College and universities... 257
    National defense... 527
    Space program... 991, 994
  Federal Government obligations for... 970-972, 974, 975, 977, 978
Reserve Officers Training Corps... 550
Residential buildings. See Construction industry, and Housing and housing units.
Residential capital... 1240
Restaurants. See Eating and drinking places.
Retail trade:
  Collective bargaining settlements... 676
  Earnings... 655, 657, 660, 661, 1324-1326, 1393, 1399
  Employees... 645, 646, 650, 655, 657, 656, 659, 1323-1327, 1393, 1399

Table
Retail trade—Continued
  Establishments... 848, 1324-1327, 1339, 1399
  Finances... 814, 848, 849, 852, 1327
  Foreign investments in the U.S... 1360-1362
  Franchises... 1339, 1340
  Gross national product... 686, 698, 1322, 1390, 1391
  Inventories... 883, 1331
  Occupational safety... 681
  Sales... 1324, 1325, 1327-1331, 1337, 1339, 1399
Retirement system:
  Benefits paid... 566, 568, 571, 583, 584
  Civil service... 571, 573, 574, 581, 585
  Federal other than civil service... 571, 581
  Old-age, survivors, disability, and health insurance. See Social insurance.
  Pension plans... 581
  Railroad... 566, 571-574, 581
  Social security trust funds... 574
  State and local government... 453, 493, 566, 571, 574, 581
  Trust funds... 492
Revolvers. See Firearms.
Rheumatic fever... 177
Rhode Island. See State data.
Rhodesia. See Foreign countries.
Rice:
  Acreage... 1121
  Consumption... 194
    Foreign countries... 1415
  Commodity Credit Corporation transactions... 1102
  Foreign trade... 1115, 1117, 1119, 1121
  Government payments to farmers... 1097
  Price supports... 1123
  Prices... 764, 1121
  Production... 1115, 1121
    World... 1400
  Supply and disappearance... 1121
Rivers, canals, harbors, etc.:
  Commerce, domestic and foreign... 1060
  Federal expenditures for... 1059
  Length of principal rivers... 338
  Water quality... 342
Roads, public. See Highways.
Robbery... 277, 280, 284, 285, 293
Robotics... 1304
Rockfish... 1163, 1165, 1169
Rodeos... 386
Romania. See Foreign countries.
Rubber and misc. plastics, manufacturing:
  Capital... 876, 1265
  Earnings... 657, 1265, 1394
  Employees... 646, 657, 1265, 1280, 1394
  Energy consumption... 940
  Establishments... 1265, 1394
  Finances... 887
  Foreign trade... 1120, 1282, 1285, 1297, 1376, 1377, 1379
  Gross national product... 686
  Occupational safety... 681
  Patents... 875
  Productivity... 658
  Sales, shipments, receipts... 887, 1265, 1272, 1280, 1394
  Value added... 1394
Rubber products... 1297
Rubella... 177
Rugs. See Floor coverings.
Rural Electrification Administration... 905
Rural population. See Population.
Russia (Soviet Union). See Foreign countries.
Rwanda. See Foreign countries.

S

Sablefish... 1163, 1165
Saccharin consumption... 194
St. Lucia island, population and area... 1403
Salad and cooking oils, consumption... 194
Salaries and wages. See Earnings.
Sales. See individual commodities and industries.
Salesworkers... 642, 651
Salmon... 1163, 1167, 1169, 1172
  Canned... 1168
  Catch... 1161, 1166
Salt, production and value... 1177, 1432
Samoa, American. See Outlying areas of U.S.
Samoan population... 45
Sand and gravel industry. See Mining industry.
  Production and value... 1177
Sanitation. See Health and Sewage treatment.
Sardines... 1169, 1172
Saudia Arabia. See Foreign countries.

Table

- Savings:
  - Credit unions.......... 804
  - Deposit bank.......... 704, 784, 786, 787, 820, 825
  - Gross savings, sources and uses.......... 696
  - Personal.......... 696, 698, 704
  - U.S. bonds.......... 497, 502, 745, 747
- Savings banks. See Savings institutions.
- Savings bonds.......... 821
- Savings institutions:
  - Earnings.......... 783
  - Employees.......... 783
  - Establishments.......... 783, 790, 805, 807, 810
  - Finances.......... 783, 785, 787, 788, 790, 792-794, 805-811, 821
  - Individual Retirement Accounts.......... 582
  - Profits.......... 806
- Saw logs.......... 1146, 1148
- Sawtimber.......... 1143, 1144
- Scallops.......... 1163, 1166, 1168, 1172
- Scholastic Aptitude Test.......... 237
- Schools (see also Education):
  - Board, Black elected officials.......... 429
  - Districts.......... 218, 468
  - Lunch programs.......... 570
  - Number.......... 199, 219, 247-249
  - Sunday or Sabbath.......... 79
- Scientific, engineering, and technical associations.......... 82
- Scientific instruments. See Instruments.
- Scientific research. See Research and development.
- Scientists and engineers (see also individual fields).......... 982
  - Degrees conferred.......... 270, 969
  - Employment.......... 642, 982-985
    - By industrial sector.......... 986
    - Research and development.......... 976, 981
- Scouts, membership and units.......... 395
- Scup, catch.......... 1161, 1163
- Sea bass.......... 1163
- Seafoods.......... 1161, 1166
- Sea trout.......... 1163
- Securities:
  - Foreign holdings.......... 1357
  - Foreign purchases and sales.......... 827
  - Held by corporations.......... 498, 857
  - Held by government corporations and credit agencies... 499, 784
  - Held by life insurance.......... 836
  - Holdings of banks.......... 498, 784, 797
  - Holdings of individuals and businesses.......... 784, 786, 787, 833
  - Holdings of State and local governments.......... 499
  - Interest-bearing, government.......... 498, 499
  - New issues.......... 826
  - Prices, sales, yields and issues.......... 824, 826, 829, 831, 832
  - Savings of individuals.......... 696, 704
  - State and local government.......... 454
  - Stocks and bonds, sales.......... 827, 828
  - Tax-exempt, outstanding.......... 499
- Security and commodity brokers.......... 657, 782, 783
  - Earnings.......... 657, 783
  - Employees.......... 657, 783
  - Establishments.......... 783
  - Finances.......... 785
  - Gross national product.......... 686, 781
  - Occupational safety.......... 681
  - Starts and failures.......... 865
- Sedatives, persons using.......... 191
- Seeds.......... 754, 1113
- Selenium.......... 1186
- Semiconductors and related devices (see also Electronic components).......... 1305, 1310
- Senators, U.S.......... 414
  - Primaries.......... 434
- Senegal. See Foreign countries.
- Service occupations:
  - Earnings.......... 666, 668
  - Employment.......... 642
    - By sex and educational attainment.......... 643, 644
    - Projections.......... 641
  - Unemployment.......... 650, 651
  - Union membership.......... 684
- Service stations. See Gasoline service stations.
- Service workers. See Service industries and Service occupations.
- Services industries:
  - Collective bargaining settlements.......... 676
  - Earnings.... 655, 657, 660, 661, 1345, 1347, 1353, 1393, 1399
  - Employees... 645, 646, 655-657, 660, 858, 859, 1323, 1345-1347, 1353, 1393, 1399
  - Establishments.......... 848, 1339, 1345-1347, 1353, 1399
  - Finances.......... 849, 852, 856, 1346, 1353
  - Franchises.......... 1339
  - Gross national product.......... 686, 698, 1322, 1390, 1391

Table

- Services industries—Continued
  - Occupational safety.......... 680, 681
  - Productivity.......... 658
  - Profits.......... 848, 889
  - Sales or receipts...... 848, 887, 1339, 1345, 1348, 1353, 1399
  - Starts and failures.......... 865
- Sewage treatment systems.......... 452
  - Construction.......... 452, 1222
  - Employment.......... 486, 487
  - Expenditures.......... 453, 471, 474
  - Foreign countries.......... 1419
  - Residences.......... 1241
- Shareowners, stocks.......... 833
- Sheep and lambs:
  - Farm marketings.......... 1096
  - Number and value on farms.......... 1135, 1136
  - Prices.......... 1135
  - Production.......... 1135, 1136
- Shellfish:
  - Canned, quantity and value.......... 1170
  - Catch, quantity and value.......... 1161, 1166
  - Consumption.......... 195
  - Foreign trade.......... 1371
  - Frozen quantity and value.......... 1170
- Shelter (see also Housing and housing units):
  - Consumer price indexes.......... 758
- Ship building and boat building and repairing.......... 1067
  - Earnings.......... 657, 1067, 1265
  - Employees.......... 657, 1067, 1265
  - Output.......... 1067
  - Sales, shipments, receipts.......... 1265, 1319
  - Value added.......... 1067, 1265
- Shipments (see also individual products or industries):
  - Consumer electronics.......... 1321
  - Home appliances.......... 1321
  - Manufacturers'.......... 1280, 1281
- Shipping. See Merchant vessels and Tonnage.
- Ships:
  - Merchant vessels.......... 1064-1066
    - Lost.......... 1072
  - Repairs.......... 1067
  - Tanker casualities.......... 1070
- Shoes. See Footwear.
- Shoplifting.......... 284
- Shopping centers.......... 1335, 1336
- Shortening.......... 194
- Shrimp.......... 1163, 1167-1169
  - Catch.......... 1161, 1166
  - Imports.......... 1172
- Sickness. See Illness.
- Sierra Leone. See Foreign countries.
- Silk (raw) and silk goods consumption, by mills.......... 1291
- Silver.......... 1176, 1177, 1182, 1186, 1201
  - Consumption.......... 1201
  - Foreign trade.......... 1186, 1201, 1377
  - Prices.......... 767, 1201
  - Production and value.......... 177, 1182, 1201
- Silverware. See Jewelry.
- Singapore. See Foreign countries.
- Single persons. See Marital status.
- Skiing.......... 379, 388
- Skins. See Hides, etc.
- Slaughtering and meat-packing industry. See Meat and meat products.
- Small business.......... 858-860
  - Contract awards.......... 871
  - Federal outlays.......... 495, 869
- Snow and ice pellets, selected cities.......... 366
- Snowmobiles.......... 379-387
- Soap.......... 922, 1272
- Soccer.......... 386, 388
- Social insurance (see also Medicare, Railroads, Retirement Systems, and Social Security):
  - Contributions.......... 574
  - Employment covered.......... 572, 573
  - Expenditures (public) for.......... 565, 566, 568, 571
  - Government insurance trust funds.......... 447
    - City government finances.......... 471
    - Federal receipts and expenditures.......... 492
    - State and local receipts, expenditures.......... 453
  - Individual programs:
    - Beneficiaries and benefits.......... 571, 583
    - Coverage.......... 572, 573, 575
    - Federal retirement insurance.......... 566, 571, 581-584
      - Average annual benefits.......... 584
      - Civil service.......... 572-574, 583, 585
    - Old-age, survivors, disability, and health insurance:
      - Average payments.......... 579, 604
      - Beneficiaries and payments.......... 566, 568, 571, 578, 604

Table
Social insurance (see also Medicare, Railroads, Retirement Systems, and Social Security)—Continued
  Old-age, survivors, disability, and health insurance—Continued
    Coverage, workers, and earnings........ 572, 573, 575, 576
    Trust funds........ 501, 574, 577
  Old-age insurance taxes........ 505
  Payroll tax rates and taxable wages........ 587
  Protection against income loss........ 600
  Railroad insurance........ 566, 568, 572-574, 581
  State and local public retirement insurance........ 566, 571, 574
  Taxes and contributions........ 490, 574
  Trust funds........ 574, 581, 583
  Unemployment insurance (Federal and State)........ 566, 588
  Workers' compensation...... 136, 566, 568, 572, 573, 589, 590
Social sciences:
  Degrees conferred........ 267, 270, 271
  Employment........ 983-987
  Graduate students........ 988
  Salary offers........ 265
Social Security (see also Social insurance):
  Beneficiaries and payments........ 578
  Contributions, rates........ 574, 576
  Coverage, workers and earnings........ 575
  Trust funds........ 574, 577
Social services:
  Earnings........ 657, 1346, 1347
  Employees........ 645, 648, 657, 1343, 1346, 1347
  Establishments........ 1346, 1347
  Finances........ 1346, 1349
  Occupational safety........ 681
  Starts and failures........ 865
  Volunteers........ 614
Social welfare (see also individual programs):
  Employees (State and local government)........ 484
  Expenditures:
    City government........ 471, 473
    Federal........ 565-568
      Aid to State and local governments........ 451
    Governmental........ 565-567
    State and local government........ 453, 565-567
    State government........ 458, 460
Sodium compounds:
  Mines (natural) production and value........ 1177
Soft drinks (see also Beverages)........ 196
Softball........ 387-389
Software........ 1321
Solar energy, collectors, manufacturers shipments........ 969
Solid waste:
  Disposal........ 349, 350
  Expenditures for pollution abatement........ 353-357
  Recycling........ 350
Sorghum grain........ 1121
  Acreage........ 1121
  Foreign trade........ 1121
  Price supports........ 1123
  Prices........ 764, 1121
  Production........ 1121
  Supply and disappearance........ 1121
Sororities........ 82
South Africa. See Foreign countries.
South Carolina. See State data.
South Dakota. See State data.
Soybeans:
  Acreage........ 1121, 1125
  Foreign trade........ 1114, 1115, 1117, 1119, 1121, 1371
  Price supports........ 1123
  Prices........ 764, 1121, 1123, 1125
  Production........ 1114, 1121, 1125
    World production........ 1400
  Supply and disappearance........ 1121
Snapper........ 1163
Space program........ 995
  Launches........ 997
  NASA........ 991, 993
  Space shuttle........ 996
  Vehicle systems........ 996
Spain. See Foreign countries.
Spanish-American War, cost........ 537
Sporting and athletic goods (see also Sports)........ 379
Sporting goods and bicycle shops, retail........ 1326
Sports........ 374,386-389, 1348
  Expenditures........ 377, 386, 387
Sports associations........ 82, 379
Spot market price index........ 750
Squid........ 1163, 1165, 1169
Sri Lanka. See Foreign countries.
Stamps, postage, receipts from........ 896
Standard metropolitan statistical areas. See Metropolitan areas.

Table
State and local governments, combined data (see also individual govermental units):
  Collective bargaining agreements........ 483
  Debt........ 453, 455, 499, 1010
    Highways........ 1010
  Employees........ 481-485
    Average salaries........ 481
  Employees and payrolls........ 226, 479, 480, 484
  Expenditures (see also Finances)........ 446-449
    By type........ 447
    Capital outlay........ 448
    Hospitals and medical care........ 141, 158
    Schools........ 201
    Social insurance, etc........ 565, 566
  Federal aid........ 355, 450, 452, 491, 495
    By function........ 451
  Finances........ 446, 447, 457, 473
    Intergovernmental........ 451, 453, 528
  Flow of funds........ 784-788
  Forest land........ 1143, 1144
  Hospitals........ 158, 163
  Local governmental units........ 468
  Number of units........ 445
  Outlying areas of U.S........ 1397
  Purchases of goods and services........ 665, 668
  Receipts........ 449
    By source........ 447
    From alcoholic beverages........ 456
  Retirement systems.... 566, 571, 573, 574, 581, 583, 586, 787
  Securities issued........ 454
  Trust funds........ 492
  U.S. securities held by........ 499, 789
  Women holding public office........ 431
State data (for individual States):
  Abortions........ 105
  Aid to families with dependent children........ 607
  AIDS........ 180, 181
  Altitudes........ 337
  Appropriations for arts agencies........ 400
  Area........ 331, 339
  Banks, commercial........ 796
  Births and birth rates........ 26, 86, 88
    Birth weight........ 94
    Births to single or unmarried women........ 94
  Black elected officials........ 429
  Black population........ 28, 31
  Building permits........ 1227
  Business failures and liabilities........ 863, 864
  Capital punishment........ 327
  Civilian labor force........ 623
  Climate........ 359-369
  Coal and coke production........ 1196
  Congress, U.S., composition........ 421
  Construction contracts........ 1225
  Copper mine production........ 1204
  Corrections........ 302
  Crime rates........ 279
  Crops, principal........ 1112, 1120, 1122, 1124-1127, 1132
  Deaths and death rates........ 26, 112, 116, 120, 1019
    Infant........ 116
  Defense contracts........ 532
  Dentists........ 151
  Domestic travel expenditures........ 410
  Drivers licenses........ 1012
  Earnings........ 664, 1353
  Elections........ 412-415, 417, 421, 426, 427, 434, 436
    Voter registration........ 437, 438
  Electric bills........ 778
  Electrical power........ 954, 956, 962
  Elevations........ 337
  Employees........ 484, 485, 517, 656, 1281, 1344, 1353
  Energy consumption........ 929
  Energy expenditures........ 933
  Establishments........ 807, 1344, 1353
  Farms........ 1085, 1179, 1180
    Assets and liabilities........ 1099
    Foreign trade........ 1119
    Income........ 1099, 1100
  Federal funds........ 503
  Finances........ 807, 840, 1353
  Fisheries........ 1161
  Foreign trade, agricultural products........ 1119
  Forest land........ 1144
  Fuel production........ 1189
  Gas utility industry........ 965
  Gasoline prices........ 780
  Gasoline tax rates........ 1009
  Government finances:
    Federal aid to State and local governments........ 452
    Federal (income tax collections)........ 510

Table

- State data (for individual States)—Continued
  - Government finances—Continued
    - Income tax rates ... 462
    - Revenue from alcoholic beverages ... 456
    - State and local governments ... 457
    - State governments ... 459, 460
    - Tax collections ... 471
  - Governors, vote cast ... 426, 434
  - Gross State product ... 697, 698
  - Highway funds ... 1007
  - Highway mileage ... 1004
  - Highway trust fund ... 1008
  - Hispanic elected officials ... 430
  - Hispanic origin population ... 28
  - Hospitals, cost per patient ... 163
  - Households or families ... 63
  - Housing units ... 1219
    - Sold ... 1237
    - Started ... 1230
  - Immigrants admitted ... 11
  - Income ... 734
    - Disposable personal ... 699, 700
    - Family ... 731
    - Per capita ... 701, 731
    - Personal ... 703
  - Individual income tax ... 452
  - Job growth ... 861
  - Labor force growth and change ... 861
  - Land ... 335, 336
    - Federal ... 522
  - Lawyers ... 304
  - Lead, mine production ... 1203
  - Legislatures, composition ... 427, 428
  - Life expectancy ... 108
  - Life insurance in force ... 840
  - Local government units ... 468
  - Lotteries, revenue from ... 463
  - Manufactures, summary statistics ... 1267, 1268
  - Marriage and divorce ... 134
  - Medicaid payments and recipients ... 597
  - Metropolitan area population ... 35
  - Migration ... 26
  - Mineral production and value ... 1177, 1178
  - Motor-fuel tax ... 1009
  - Motor-vehicle accident fatalities ... 1019
  - Motor-vehicle registrations ... 1012
  - National forests ... 1142
  - Newspapers, number and circulation ... 916
  - Parks ... 376
  - Patents ... 876
  - Physicians ... 151
  - Police protection ... 302
  - Population ... 22, 27, 28, 30, 31, 35
    - Age distribution ... 27, 30
    - Components of change ... 26
    - Density ... 22
    - Hispanic origin population ... 28
    - Metropolitan areas ... 35
    - Projections ... 29-31
    - Race ... 28
  - Poultry ... 1138
  - Poverty ... 734
  - President, vote cast ... 411, 412
    - Primaries ... 434
  - Prisons and prisoners ... 319, 321, 322
  - Public aid ... 606, 607
  - Real estate assessments ... 477
  - Receipts ... 1353
  - Recreational areas ... 374, 376
  - Representatives, U.S. vote cast ... 415
  - Retail trade, sales ... 1337
  - Revenue, local governments ... 467
  - Roads and highways ... 1004, 1007, 1008
  - Sales ... 1336, 1337, 1344
  - Schools and education:
    - Attainment ... 214
    - Colleges, number ... 249
    - Elementary/secondary teachers, public ... 223
    - Enrollment:
      - Elementary and secondary ... 210, 220
      - Higher education ... 210, 249
    - Finances:
      - Elementary and secondary, public ... 229
      - Higher education, public ... 260
    - High school graduates, public ... 240
    - Teachers ... 223
  - Senators, vote cast ... 414
  - Services, summary ... 1353
  - Shopping centers ... 1336
  - Small business ... 871

Table

- State data (for individual States)—Continued
  - Social Security program ... 579
  - Supplemental Security Income ... 607
  - Taxation ... 457, 460, 462, 510
  - Unemployment ... 623, 653
  - Unemployment insurance ... 587
  - Veterans, number and expenditures ... 556
  - Voter registration ... 437, 438
  - Voter turnout ... 436, 437
  - Votes cast ... 412-415, 426, 433, 434, 436, 437
  - Voting age population ... 436
  - Wholesale trade, summary ... 1344
  - Women holding public office ... 431
  - Workers' compensation payments ... 590
  - Year of admission to Statehood ... 331
  - Zinc production ... 1210
- State government (see also State and local governments):
  - Debt ... 450
    - Public highways ... 1010
  - Drinking ages ... 465
  - Employees and payrolls ... 479, 480
  - Finances ... 449, 456, 460
    - Income tax rates ... 462
    - Revenue from lotteries ... 463
    - Severence taxes ... 464
    - Tax collections ... 461, 463, 464
  - Highway funds, disbursements of ... 1007
  - Park systems ... 376
  - Payments for public assistance ... 605
  - Receipts, highways ... 1006
  - Taxes ... 460, 462
    - Individual income, tax rates ... 462
    - Severence taxes ... 464
  - Unemployment insurance ... 571, 573
- State highways. See Highways.
- State park systems ... 376
- Statehood, admission to ... 331
- Steam engines and turbines, electric:
  - Locomotive (railroad) ... 1037
- Steel (see also Iron and steel) ... 764, 1182, 1298, 1300, 1301
  - Prices ... 755
  - Scrap ... 1298
  - World pooduction ... 1182, 1400, 1431, 1432
- Steel works and rolling mills (see also Iron and steel) ... 1265
- Stereo phonos ... 1320
- Stimulants, persons using ... 191
- Stock exchanges:
  - Prices ... 826, 832
  - Volume of trading ... 829-832
- Stockholders, characteristics of ... 833
- Stockholders' equity, profit rates on ... 798
- Stockpiles, government:
  - Strategic and critical materials ... 1183
- Stocks:
  - Corporate, flow of funds ... 784, 786, 787
  - Foreign, U.S. purchases and sales of ... 827, 828
  - Life insurance ... 836
  - Ownership ... 745, 747, 833
  - Prices, yield, sales, issues, etc ... 824, 829, 831-835
- Stone ... 1175-1177
- Stone, clay, and glass products ... 1038, 1039
- Stone, clay, and glass products, manufacturing:
  - Capital ... 357, 679, 1265
  - Earnings ... 657, 1265, 1394
  - Employees ... 646, 657, 1265, 1280, 1394
  - Energy consumption ... 940
  - Establishments ... 1265, 1394
  - Finances ... 887
  - Foreign trade ... 1282-1285, 1379
  - Gross national product ... 686
  - Occupational safety ... 681
  - Patents ... 875
  - Pollution abatement ... 357
  - Productivity ... 658, 1175, 1273
  - Profits ... 892
  - Sales, shipments, receipts ... 1265, 1272, 1280, 1394
  - Value added ... 1265, 1394
- Stoves and ranges ... 1249, 1320, 1417
- Strategic and critical materials ... 1183
- Strategic forces ... 540
- Strawberries ... 1131
- Stroke. See Cerebrovascular diseases.
- Strontium ... 1186
- Students. See Education, enrollment.
- Subways and elevated railways ... 1031
- Sudan. See Foreign countries.
- Sugar and sugar cane (see also Food and kindred products):
  - Beet ... 1129, 1130
  - Commodity Credit Corporation transactions ... 1102

Table

Sugar and sugar cane (see also Food and kindred products)—Continued
  Consumption 194, 1129
  Foreign trade 1120, 1129, 1377
  Prices 754, 761
  Production 1113, 1129,
    World 1400
  Supply and disappearance 1129
Suicides 118, 119, 126, 1407, 1408
Sulfur 767, 1177, 1181, 1182, 1186
    Prices 1181
  Production and value 1177
    World 1432
Sunday and Sabbath schools 79
Supplemental Security Income 566, 568, 570, 604
  States 607
Supreme Court, U.S. 305
Surgeons 152
Surgical instruments, manufacturing 1265
Surgical procedures 165
  Organ transplants 166
Suriname. See Foreign countries.
Swaziland. See Foreign countries.
Sweden. See Foreign countries.
Sweet potatoes 1131
  Consumption 195
Swimming and swimming pools 374, 388, 389
Swine. See Hogs.
Switzerland. See Foreign countries.
Swordfish, imports 1163
Symphony orchestras 397, 398
Synagogues. See Religion.
Syria. See Foreign countries.

T

Taiwan (Republic of China). See Foreign countries.
Talc, pyrophyllite, and soapstone 1177
Tallow and grease (animal) 1376
Tangelos 1132
Tanneries, manufacture 1265
Tantalum 1186
Tanzania. See Foreign countries.
Tape recorders, players 1320
Tariff. See Customs receipts.
Tax expenditures 494
Tax receipts:
  Excise taxes 461
  Farm property 1095
  Foreign countries 1421, 1422
  Governmental revenue, by type of tax 446
  Individual income tax rates, States 462
  Motor-fuel taxes and motor-vehicle fees 505, 1009
  National (internal revenue) 446, 505
    Adjusted gross income 507
    By type of tax 446
    Collections by source 505
    Corporation income tax:
      Federal budget receipts 490
      Internal revenue collections 504, 505
      Tax liabilities 854, 888
      Tax returns filed 504, 511, 854
    Employment taxes 490, 504, 505
    Estate and gift taxes 490, 504, 505
    Excise taxes 490, 504, 505
    Individual income tax 490, 504-506, 510
      Average tax by income level 507
      Household income by type of tax 717
      Rates 511
      Revenue, by type of tax 447
  Property tax:
    City government 471
    Households, income by type of tax 717
    Households paying 717
    Rates, selected cities 476
    State and local government 447, 453, 478
  Railroads 1037
  State and local government:
    By household income 475
    By type of tax 446, 447, 453, 458
    City government 471-474, 476
    State government 458, 460-462, 717
Taxes, personal expenditures 706
Tax-exempt securities outstanding 499
Tax expenditures 494
Tea:
  Consumption 196
  Foreign trade 1377
    Prices 764

Table

Teachers:
  Catholic schools 234, 235
  College faculty tenure 264
  Competency tests 222
  Employment 207, 642
    Projections 207, 641
  Experience, and degrees held 222
  Higher education institutions 247
    Salaries 263
    Tenure status 264
  Number, degrees conferred 267, 270
  Private schools 235
  Public schools 218, 222, 223
    Competency tests 222
    Inservice training 222
    Number 207, 218, 223
    Salaries 218, 223, 224
  States 223
Technicians 642
Telecommunications 1309
  Foreign trade 1371
Telegraph and other communications:
  Consumer cooperative (telephone) 862
  Dividends 903
  Finances 903, 904
  Overseas systems and rates 903
Telephone communication:
  Earnings 657, 903, 904
  Employees 657, 903, 904
  Finances 903, 904
  Productivity 658
  Receipts 903
Telephones (see also Telegraph, etc.):
  Access lines 904
  Calls 903, 904
  Cellular, cordless 1321
  Consumer price index 758
  Households with 901
  Number 903, 904
    Foreign countries 1420
  Retail sales 385
  Rural telephone bank program 905
Television broadcasting (see also Cable and other pay TV services, Public broadcasting stations, and Radio):
  Advertising expenditures 919-924
  Earnings 657
  Employees 657
Televisions:
  Consumer expenditures 378
  Foreign countries 1420
  Foreign trade 1376, 1377
  Households with 900, 1249, 1417
  Religious television viewing 80
  Sales 1321
  Viewing 900, 901
Temperature, selected cities 359-364, 367
Temples (fruit) 1132
Tennessee. See State data.
Tennessee Valley Authority 520
Tennis 381, 387, 388
Tenure. See Housing and housing units and Farms.
Territorial accessions of the U.S. 332
Texas. See State data.
Textile mill products, manufacturing:
  Earnings 657, 1265, 1394
  Employees 646, 657, 1265, 1280, 1394
  Energy consumption 940
  Establishments 1265, 1394
  Finances 867
  Foreign trade 1280, 1282-1284, 1293, 1379
  Gross national product 686
  Inventories 1272
  Occupational safety 681
  Output 1273
  Patents 875
  Productivity 658, 1273
  Shipments 1265, 1272, 1394
  Starts and failures 865
  Value added 1265, 1394
Textile machinery 1376
Textile products:
  End-use 1292
  Foreign trade 1282-1284, 1371, 1376, 1377
  Production 1292
Thailand. See Foreign countries.
Theaters 397
  Attendance and receipts 397
  Business support 398
  Federal aid 399
  Personal expenditures 377

Table
Theft. See Crime and criminals.
Thread. See Yarn, thread, etc.
Timber (see also Wood and wood products):
  Consumption 1146, 1147
  Foreign trade 1146, 1157
  Producer prices 1148, 1149
  Production 1146
    World (roundwood) 1400
  Receipts from sales 524
  Removed from national forests 1141
  Roundwood products 1146
  Volume, growth and cut 1143, 1144
Tin 1177, 1178, 1181, 1184, 1186, 1207
  Foreign trade 1184, 1207, 1377
  Prices 764, 767, 1181, 1207
  Production 1177, 1182, 1207
    World 1432
Tinware, manufacture 1265
Tires and tubes 1011, 1022, 1272, 1289
  Recalled for safety defects 1072
Titanium 1176, 1177, 1182, 1186, 1215
Tobacco (see also Tobacco products, manufacturing, and Cigarettes):
  Acreage harvested 1115
  Advertising expenditures 922, 923
  Commodity Credit Corporation transactions 1101, 1102
  Consumer expenditures 709
  Consumption and use 1290
  Farm marketings 1096
  Foreign trade 1118, 1119, 1121, 1282-1295, 1371, 1376
  Prices 764, 1120
  Production 1113-1115, 1121, 1128, 1400
  Productivity 1110, 1111
  Taxes 458, 461, 505
  Sales 1325
Tobacco products, manufacturing:
  Earnings 657, 1265, 1394
  Employees 646, 657, 1265, 1280, 1394
  Energy consumption 940
  Establishments 1265, 1394
  Finances 887
  Gross national product 686
  Occupational safety 681
  Output 1290
  Productivity 658, 1110, 1111
  Sales, shipments, receipts 1265, 1272, 1280, 1289, 1394
  Taxes 458, 505
  Value added 1394
Togo. See Foreign countries.
Toiletries, advertising expenditures 921-924
Tomatoes 195, 769, 1096, 1131
Tonnage, vessels:
  Entered and cleared in foreign trade 1063, 1064
  Merchant 1065, 1066, 1071
  Ships and tonnage lost 1072
  Waterborne foreign commerce 1061
Tools. See Cutlery, etc., and Machine tools.
Tornadoes 358
Tourism, foreign (see also Travel) 4, 403, 406
  Outlying areas 1388
Townships and special districts 445, 468
Toxic shock syndrome 177
Toys and sporting goods:
  Advertising expenditures 922-924
  Consumer expenditures 377
  Foreign trade 1377
  Manufacturing:
    Earnings 657,1265
    Employees 657, 1265
    Sales, shipments, receipts 1265
    Value added 1265
Tractors 1371, 1376, 1377
Trade (business). See Commerce, Foreign trade, Retail trade, and Wholesale trade.
Trade, business, and commercial associations 82, 646
Trade contractors, special 1393
Trademarks 889
Trailers (campers) 1016
Tranquilizers 191
Transit industry. See Passenger transit industry.
Transportation (see also Motor vehicles, Transportation industry, and individual carriers):
  Accidents 1001, 1044, 1047
  Carriers of passengers 1000, 1031-1033, 1044, 1049, 1050
  Carriers of property 1000, 1035, 1036, 1039
  Consumer complaints 1048
  Cost indexes:
    Airlines 1046
    Railroad 1040
  Construction 1201, 1202

Table
Transportation (see also Motor vehicles, Transportation industry, and individual carriers)—Continued
  Consumer price indexes 758, 760
    Foreign countries 1425
  Energy consumption 929, 931-933
  Expenditures 998
  Federal government:
    Aid to State and local governments 451
    Outlays 974, 998, 1002
  Freight 998
  Government finances 431, 437, 442
    Cities 455, 457
  Government employees and payrolls:
    City government 468
  Household, by purpose and means 1029
  Occupations 641, 642, 644, 651
  Outlays, by type of transport 998
  Securities 805, 807
  Stock and bond prices and yields 824, 826
  Travel volume 1000, 1002
Transportation, Department of 495, 975
Transportation equipment, manufacturing:
  Capital 356, 357
  Earnings 642, 657, 1265, 1394
  Employees 646, 657, 1265, 1280, 1394
  Energy consumption 940
  Establishments 1394
  Foreign trade 1282-1285, 1369, 1376, 1377, 1379
  Gross national product 686, 694, 1014, 1390, 1391
  Gross State product 698
  Inventories 1272
  Occupational safety 681
  Pollution abatement 356, 357
  Producer prices 754
  Productivity 658, 1273
  Research and development 982
  Sales, shipments, receipts 1265, 1272, 1319, 1394
  Value added 1394
Transportation and public utilities industry (see also individual industries):
  Capital 877
  Collective bargaining settlements 676
  Construction 1222, 1224
    Cost indexes 1220
  Earnings 655, 657, 661, 821, 858, 859, 999
  Employees 645, 646, 655-657, 858, 859, 999, 1044, 1279
  Establishments 858, 859
  Finances 848, 856, 894
  Firms 848
  Government:
    Finances 447, 453, 458
    Employees and payrolls (city government) 487
  Gross national product 686
  Occupational safety 680
  Output 658
  Patents 875
  Productivity 658
  Profits 848, 889, 894
  Sales, shipments, receipts 848, 849
  Starts and failures 865
  Union membership 684
Transceivers 1320
Travel:
  Advertising expenditures 922
  Air carriers 1044
  Domestic expenditures by State 410
  Foreign 401, 403, 404
  Industry and employees 409
  Mileage:
    Air carriers 1044
    Highway, by type of road 1003, 1021
    Motor vehicle 1021
    Volume 406
  Nonimmigrants 406
  Passengers 401, 403, 404, 1044, 1049
  Passports issued 402
  Recreation 374
  Tourists 401, 403, 404
  Volume 1000
Travelers checks 821
Treasury bonds outstanding 497
  Foreign purchases and sales 827
  Sales, prices, and yields 824
Treasury Department, budget outlays 495
Trinidad and Tobago. See Foreign countries.
Tripoli, mine production 1177
Trips. See Travel.
Trout 1167

Table

- Trucking and warehousing (see also Motor vehicles, Transportation, and Trucks):
  - Earnings.... 657, 1393
  - Employees.... 657, 999, 1393
  - Foreign trade.... 1011
  - Gross national product.... 686
  - Occupational safety.... 681, 1020
  - Productivity.... 658
  - Starts and failures.... 865
- Trucks:
  - Factory sales (trucks and buses).... 1011, 1013
  - Foreign trade.... 1376
  - Households with.... 1250
  - Motor-fuel consumption.... 1026
  - Pick-ups.... 1015
  - Output.... 1011
  - Registration (trucks and buses).... 1012, 1013
  - Sales.... 1015
  - Scrapped (trucks and buses).... 1011
  - Travel and speed.... 1025
  - Vans.... 1015, 1250
- Trust funds, U.S. Government.... 492
- Trust Territory of the Pacific Islands. See Outlying areas.
- Tuberculosis.... 177
  - Hospitals.... 153
- Tuna.... 1163, 1169
  - Catch.... 1161, 1166
  - Imports.... 1172
  - Supply.... 1168
- Tuners.... 1321
- Tungsten.... 767, 1177, 1182, 1184, 1186, 1208
  - Consumption and sources of supply.... 1208
  - Foreign trade.... 1184, 1208
  - Production.... 1177
    - World.... 1182
- Tunisia. See Foreign countries.
- Turbines. See Steam engines.
- Turkey. See Foreign countries.
- Turkeys. See Poultry.
- Turntables.... 1320

U

- Uganda. See Foreign countries.
- Unemployment. See Labor force, unemployed workers.
- Unemployment insurance:
  - Claims and benefits payments.... 569, 571, 587, 588
  - Employees and payrolls covered.... 573, 587
  - Governmental finances.... 453
  - Veterans.... 571
- Unincorporated enterprises, flow of funds.... 784
- Unions. See Labor organizations or unions.
- United Kingdom. See Foreign countries.
- United States Government. See Government.
- United States Postal Service.... 896
  - Employees.... 480, 517, 520, 521, 896
  - Finances.... 490, 896
  - Money order business.... 896
  - Post offices, number.... 896
  - Postal rates.... 898
  - Revenues.... 490, 896
  - Volume of business.... 896, 897
- United States securities (see also Debt):
  - Foreign purchases and sales.... 827
  - Held by banks.... 498, 787, 797
  - Held by corporations.... 498, 787, 857
  - Held by Government corporations, credit agencies, etc..... 499
  - Holdings by households.... 786
  - Interest-bearing.... 497-499
  - Prices, sales, and yields.... 824
  - Taxable yields.... 823
- Universities. See Education, higher education institutions.
- Uranium (see also Nuclear power).... 1177, 1182, 1209
  - Discharged reactor fuel.... 961
  - Production.... 961
  - Prices.... 961, 1209
- Urban population. See Population.
- Uruguay. See Foreign countries.
- U.S.S.R. (Soviet Union) See Foreign countries.
- Utah. See State data.
- Utilities (see also Gas utility industry and Electric light and power industry):
  - Advertising expenditures.... 924
  - Electric supply systems and generating plants, States.... 954
  - Production indexes, manufacture.... 1273
  - Retail prices.... 776, 779
- Utility vehicles.... 1015

Table

V

- Vacuum cleaners.... 1321
- Value added (see also individual manufacturing and mining industries):
  - All industries.... 1265
  - Outlying areas.... 1394, 1395
  - States.... 1268
- Vanadium.... 1177, 1182, 1186
- Vans (see also Motor vehicles, and Trucks).... 1015
- Veal (see also Beef and Meat and meat products).... 194, 1133
- Vegetable oils. See Oils.
- Vegetables (see also individual commodities):
  - Acreage.... 1131
  - Consumption.... 194, 195
  - Farm marketings.... 1096
  - Foreign trade.... 1113, 1119, 1120, 1371, 1376, 1377
  - Gardens.... 390
  - Production.... 1113, 1131
  - Productivity, farm.... 1111
- Vehicles. See Motor vehicles, Tractors, etc.
- Venereal diseases (see also AID's).... 177
- Venezuela. See Foreign countries.
- Vermiculite, mine production.... 1177
- Vermont. See State data.
- Vessels. See Ships.
- Veterans Administration:
  - Budget outlays and authority.... 495
  - Employment.... 520
  - Expenditures.... 136, 559-561
    - Hospital, medical care.... 136
  - Home loans.... 808-810, 812
  - Land and buildings.... 522
  - Medical centers.... 562
- Veterans:
  - Expenditures by war.... 560
  - Federal aid.... 493
  - Health care coverage.... 146
  - Peacetime.... 557
  - Pensions and other benefits:
    - Disability, service-connected compensation.... 558
    - Disbursements.... 526, 561, 565, 566
    - Education and training.... 563
    - Federal aid to State and local governments.... 451
    - Health expenditures.... 136, 141, 142, 570
    - Hospital or domiciliary care.... 562
      - Veterans or dependents receiving.... 562
    - Life insurance funds.... 490, 492
    - Loans guaranteed and insured.... 564
    - Pensioners on rolls, by wars.... 561
    - Social insurance, income security.... 568, 600
    - Unemployment allowances.... 571
    - Veterans or dependents receiving.... 558, 561, 563, 564
  - Veterans in civil life.... 556
- Vetoed bills, Congressional.... 420
- Videocassette recorders.... 1313, 1321
  - Households with.... 900
- Videotape.... 1321
- Vietnam. See Foreign countries.
- Vietnam conflict.... 537
  - Battle deaths.... 547
- Vietnamese population.... 45
- Violent crime.... 277-283
  - Aggravated assault.... 277-280
  - Murder.... 277-281
  - Rape, forcible.... 277-280, 283
  - Robbery.... 277-280
- Virgin Islands. See Outlying areas.
- Virginia. See State data.
- Visual impairment.... 183, 185
- Vital statistics (see also Births and Deaths):
  - Fertility and fertility rate.... 87, 98
  - Life expectancy.... 106, 109
  - Marriage and divorce.... 83, 127-134
  - Outlying areas.... 1381, 1385
  - Rates, summary.... 83, 84
    - World.... 1400, 1402
- Vitamins.... 197, 198
- Vocational education.... 563
  - Federal aid to State and local governments.... 451
  - Veterans.... 563
- Vocational rehabilitation.... 566, 593
  - Medical.... 136
- Volleyball.... 388, 389
- Volunteer workers.... 614
- Voter registration.... 432, 437, 438
- Votes:
  - Congressional.... 414-417, 433
  - Gubernatorial.... 426

Table
  Presidential.......... 413, 433, 437
Voting-age population.......... 432, 433, 436

W

Wage earners. See Labor force, employment, and earnings, and individual industries.
Wages and wage rates. See Earnings.
Walnuts..........
Warehousing (see also Trucking, and Warehousing).......... 1132
Wars:.......... 1034
  American, total cost of..........
  Deaths.......... 537
  U.S. troops and casualities.......... 547
  Vietnam conflict.......... 547
Warsaw Pact countries, military expenditures.......... 547
Washing machines:.......... 533
  Electric, homes with..........
  Shipments and retail value.......... 1249
Washington. See State data.......... 1320
Watches. See Clocks and watches, etc.
Water (see also Water transportation services):
  Area:
    United States.......... 1
    United States and outlying areas.......... 331
      Public domain.......... 333, 334
  Pollution.......... 353, 354
    Expenditures for abatement.......... 354-357
    Oil spills.......... 343, 1070
    Rivers and streams.......... 342
  Power.......... 952, 968
  Public supply.......... 328, 1241, 1249
  Use.......... 340
Waterskiing.......... 374, 388
Water transportation services:
  Earnings.......... 657, 999
  Employees.......... 357, 999
  Foreign trade.......... 1058, 1061, 1063, 1064
  Freight.......... 998, 1000, 1060, 1062
  Gross national product.......... 686
  Occupational safety.......... 681, 1001
  Outlays.......... 490, 998, 1002, 1059
Water works:
  Public supply.......... 340, 341
  Value of new construction.......... 1222
Wealth:
  Assets of families.......... 746, 747
  Business.......... 744
  Government.......... 744
  Households.......... 744
Weather conditions at selected stations.......... 359-369
Weight-training.......... 375
West Virginia. See State data.
Western Samoa. See Foreign countries.
Wheat:
  Acreage.......... 1121, 1126
  Commodity Credit Corporation transactions.......... 1101, 1102
  Foreign trade.......... 1114, 1115, 1121, 1376, 1436
  Government payments to farmers.......... 1097
  Prices:
    Export.......... 764
    Farm.......... 1126
    Supports.......... 1123
  Production.......... 1114, 1115, 1121, 1126
    World.......... 1400
  Productivity.......... 1110
  Supply and disappearance.......... 1121
Wheat flour:
  Consumption.......... 194
  Exports.......... 1376
    Foreign countries.......... 1415
  Prices.......... 764
Whiskey (see also Alcoholic beverages):
  Consumption.......... 1287
  Imports.......... 1377
    Prices.......... 764
  Production, stocks, and tax-paid withdrawals.......... 1287
White-collar workers.......... 513, 515
  Employment coast index.......... 669
  Women.......... 513
Whiting, quantity and value of catch...... 1161, 1163, 1165, 1166
  Fresh and frozen, packaged.......... 1169
Wholesale trade:
  Collective bargaining settlements.......... 676
  Earnings.... 655, 657, 660, 661, 1341, 1342, 1344, 1393, 1399
  Employees... 645, 646, 650, 655, 657, 660, 1323, 1341, 1342, 1393, 1399
  Establishments.......... 1341, 1342, 1344, 1399
  Foreign investments in U.S.......... 1360

Table
Wholesale trade—Continued
  Gross national product.......... 686, 698, 1322, 1390, 1391
  Inventories.......... 1341, 1343
  Occupational safety.......... 680, 681
  Sales.......... 1341-1344, 1399
  Starts and failures.......... 865
  Union membership.......... 684
Wildlife, endangered species.......... 352
Wind velocity, selected cities.......... 367
Wines (see also Alcoholic beverages)
  Consumption.......... 196
  Wholesale trade.......... 1342
  World production.......... 1400
Wire manufacture.......... 1265
Wiretaps.......... 300
Wisconsin. See State data.
Women:
  Abortions.......... 103-105
  Age.......... 13, 16
    Projections.......... 16
  AIDS.......... 180
  Alcohol use.......... 190, 191
  Arrests.......... 292
  Births and birth rates.......... 83-86, 88-93, 96, 97, 99-102
    Births to single women.......... 99
    Cesarean section deliveries.......... 91, 165
    Characteristics, selected.......... 96-98, 100, 101
    First births.......... 96
  Breast feeding.......... 92
  Cancer.......... 188
  Cigarette smoking.......... 190, 192
  Child day care.......... 613
  Chronic conditions.......... 183, 184, 187
  Contraceptive use.......... 102
  Criminal victimization rates.......... 280
  Deaths and death rates.......... 109-111, 118, 119, 121-122
  Delivery procedures, births.......... 91, 165
  Dental visits.......... 153
  Diagnostic procedures, health.......... 154, 165
  Disability days.......... 175
  Education:
    Adult education.......... 276
      Participant characteristics.......... 275
    American College Testing program.......... 238
    Attainment.......... 212, 214, 216, 242
      Labor force status.......... 635
    College enrollment.......... 245, 246, 248, 250
      By age.......... 250
      By State.......... 249
      Employed students.......... 252
      Projections.......... 250
    College graduates.......... 235
    Degrees conferred.......... 266, 268, 270, 989
    Enrollment by level.......... 205
    High school graduates.......... 244
    SAT tests.......... 237
  Employed in Federal government.......... 513
  Fertility, fertility rate.......... 98
  Group quarters.......... 76
  Health insurance coverage.......... 146
  Height distribution.......... 193
  Hispanic origin population.......... 16, 20
  Homicides.......... 282
  Hospital use.......... 161, 164, 167
  Householders.......... 57-62, 64, 67, 68, 70-72
  Hysterectomy.......... 165
  Illness/injury.......... 182
  Income.......... 727, 728
  Labor force and employment:
    Age.......... 621, 624, 625, 629,633
    Children in preprimary school.......... 209
    Earnings.......... 666,668
    Educational attainment.......... 635, 643, 644
    Employed... 622, 623, 625, 626-630, 632, 633, 635, 636, 639, 642-645
    Government.......... 481, 513
    Industry.......... 645
    Occupation.......... 642-644
    Marital status.......... 637-639
    Multiple jobholders.......... 633
    Participation rates.......... 621-623, 637-640
    Projections.......... 621
    School enrollment.......... 636
    States.......... 623
    Unemployed..... 622, 623, 625, 629, 635, 636, 639, 647-651
    Union membership.......... 684
    Worklife expectancy.......... 634
    Work schedules.......... 629-632
  Marital status.......... 49-57
  Marriage and divorce.......... 128, 130-133

Table

- Women—Continued
  - Multiple jobholders......... 633
  - Personal health practices......... 189, 190
  - Persons living alone......... 75
  - Physicians......... 152
  - Physicians, visits to......... 153, 154
  - Population......... 13
  - Public officials......... 431
  - Rape......... 277-280, 283, 285, 287, 293
  - Recreational activities......... 378, 380, 382, 388, 389
  - Religious television viewing......... 80
  - Scientists and engineers......... 983, 984
  - Selected characteristics......... 109, 126
  - Social Security beneficiaries and payments......... 578
  - Surgical procedures......... 165
  - Toxic shock syndrome......... 177
  - Unemployment......... 622, 623, 625, 629, 636, 639, 647-651
    - Age......... 629, 647
    - Reason......... 648
  - Union membership......... 684
- Wood and wood products (see also Lumber and wood products)......... 1242
  - Foreign trade......... 1376, 1377
- Woodpulp (see also Paper and paper products)......... 1156
  - Consumption/output......... 1156
  - Foreign trade......... 1376, 1377
  - Prices......... 754, 812, 1148
- Wool......... 1291, 1292
  - Commodity Credit Corporation transactions......... 1102
  - Government payments to farmers......... 1097
  - Foreign trade......... 1377
  - Prices......... 764
  - World production......... 1400
- Work and training programs......... 570
- Worklife expectancy......... 634
- Work stoppages......... 679
- Workers. See Employment and labor force.

Table

- Workers' compensation program... 130, 141, 566, 568, 573, 590, 591,
- World summary statistics... 1182, 1196, 1198, 1199, 1203-1212, 1400
  - Armed forces personnel......... 1450
  - Comparative data (area, population, etc.)..... 1403, 1405, 1410
  - Energy......... 942, 943
  - Exports of manufactures, U.S. comparison......... 1277
  - Farm commodities......... 1115, 1437
  - Merchent vessels......... 1071, 1073
  - Military expenditures......... 533, 1449
  - Mineral production......... 1172, 1196, 1198, 1199, 1203
  - Population......... 1401-1404
- World Wars I and II, cost......... 537
- Wyoming. See State data.

Y

- Yarn, thread, etc......... 657, 1265, 1376, 1377
- Yemen. See Foreign countries.
- Yogurt consumption......... 194
- Youth employment programs......... 570
- Yugoslavia. See Foreign countries.

Z

- Zaire. See Foreign countries.
- Zambia. See Foreign countries.
- Zinc......... 1186
  - Foreign trade......... 1184
  - Mining......... 1176
  - Prices......... 767, 1181, 1210
  - Production and value (mine and smelter)..... 1177, 1182, 1210
    - World......... 1182, 1432

U.S. GOVERNMENT PRINTING OFFICE : 1989 O - 233-736 : QL 3

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USA Statistics in Brief

1988

A Statistical Abstract Supplement

U.S. Department of Commerce
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Population

	Unit	1970	1980	1985	1986	1987
Total, incl. Armed Forces abroad	Mil.	204.4	227.1	239.3	241.6	243.9
Resident population	Mil.	203.3	226.5	238.7	241.1	243.4
Per square mile	No.	57.4	64.0	67.5	68.1	68.8
Under 5 years old	Mil.	17.2	16.3	18.0	18.2	18.3
5-17 years old	Mil.	52.5	47.4	45.0	45.1	45.3
18-24 years old	Mil.	23.7	30.0	28.5	27.7	27.1
25-34 years old	Mil.	24.9	37.1	42.0	42.8	43.3
35-44 years old	Mil.	23.1	25.6	31.6	33.1	34.3
45-64 years old	Mil.	41.8	44.5	44.9	45.0	45.3
65 years old and over	Mil.	20.0	25.5	28.5	29.2	29.8
Median age	Yr.	28.0	30.0	31.5	31.8	32.1
White	Mil.	178.1	194.7	202.8	204.3	205.8
Black	Mil.	22.6	26.7	28.9	29.3	29.7
Percent of resident population	Pct.	11.1	11.8	12.1	12.2	12.2
Hispanic	Mil.	9.1	14.6	16.9	18.1	18.8
Northeast	Mil.	49.1	49.1	49.9	50.1	50.3
Midwest	Mil.	56.6	58.9	59.2	59.3	59.5
South	Mil.	62.8	75.4	81.9	83.0	83.9
West	Mil.	34.8	43.2	47.8	48.7	49.7
Metropolitan areas (MSA's)[1]	Mil.	155.8	172.5	(na)	185.3	187.1
Percent of resident population	Pct.	76.7	76.1	(na)	76.7	76.9
Nonmetropolitan areas	Mil.	47.5	54.1	(na)	56.1	56.3
Males:[2] Single	Pct.	18.9	23.8	25.2	25.3	25.3
Married	Pct.	75.3	66.4	65.7	65.5	65.5
Divorced	Pct.	2.5	5.2	6.5	6.6	6.7
Females:[2] Single	Pct.	13.7	17.1	18.2	18.3	18.6
Married	Pct.	68.5	63.0	60.4	60.5	60.5
Divorced	Pct.	3.9	7.1	8.7	8.9	8.7
Households	Mil.	63.4	80.8	86.8	88.5	89.5
Average size (persons)	No.	3.14	2.76	2.69	2.67	2.66
One-person households	Pct.	17.1	22.7	23.7	23.9	23.6
Families	Mil.	51.6	59.6	62.7	63.6	64.5
Average size (persons)	No.	3.58	3.29	3.23	3.21	3.19
With own children under 18 yrs. old	Pct.	55.8	52.1	49.6	49.8	49.5
Married couple	Pct.	86.8	82.5	80.3	80.1	79.9
Female householder[3]	Pct.	10.8	14.6	16.2	16.1	16.2
Net civilian immigration	Thous.	438	845	650	662	599
Rate per 1,000 population	Rate	2.1	3.7	2.7	2.7	2.5

Vital Statistics

	Unit	1970	1980	1985	1986	1987
Births, live	Thous.	3,731	3,612	3,761	3,757	3,829
Per 1,000 population	Rate	18.4	15.9	15.8	15.6	15.7
White	Rate	17.4	14.9	14.8	14.5	(na)
Black	Rate	25.3	22.1	21.1	21.2	(na)
Total fertility rate[4]	Rate	2,480	1,840	1,842	1,836	(na)
Deaths	Thous.	1,921	1,990	2,086	2,105	2,127
Per 1,000 population	Rate	9.5	8.8	8.7	8.7	8.7
Marriages	Thous.	2,159	2,390	2,413	2,400	2,421
Per 1,000 population	Rate	10.6	10.6	10.1	10.0	9.9
Divorces	Thous.	708	1,189	1,190	1,159	1,157
Per 1,000 population	Rate	3.5	5.2	5.0	4.8	4.8

(na) Not available. [1] Metropolitan statistical areas as defined June 30, 1987. [2] Percent of total, 18 years old and over. [3] With no spouse present. [4] Number of births that 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the specified year.

Health

	Unit	1970	1980	1985	1986	1987
Infant deaths per 1,000 live births	Rate	20.0	12.6	10.6	10.4	10.0
Deaths per 100,000 population	Rate	945	878	874	873	874
Diseases of heart	Rate	362	336	323	318	(na)
Malignancies	Rate	163	184	193	195	(na)
Cerebrovascular diseases	Rate	102	75	64	62	(na)
Accidents	Rate	56	47	39	40	(na)
Life expectancy at birth: Male	Years	67.1	70.0	71.2	71.3	71.5
Female	Years	74.7	77.4	78.2	78.3	78.3
National health expenditures	$Bil.	75.0	248.1	422.6	458.2	(na)
Per capita	Dol.	349	1,054	1,710	1,837	(na)
Public, percent of total	Pct.	37.0	42.4	41.6	41.4	(na)
Hospital care	$Bil.	28.0	101.6	167.2	179.6	(na)
Physicians' services	$Bil.	14.3	46.8	82.8	92.0	(na)
Private consumer expenditures for health	$Bil.	41.8	138.5	218.3	239.0	(na)
Met by private insurance	Pct.	38.6	51.7	51.8	51.4	(na)
Index of medical care prices	1982-84 = 100	34.0	74.9	113.5	122.0	130.1
Physicians' fees		34.5	76.5	113.3	121.5	130.4
Hospital room rates		23.6	68.0	115.4	122.3	131.1
Persons covered, private health insur.[1]	Mil.	159	169	181	180	(na)
Percent of civilian population	Pct.	78.7	82.5	75.4	75.1	(na)
Physicians, active non-Federal M.D.'s	Thous.	281	397	476	484	(na)
Rate per 100,000 population	Rate	137	172	201	202	(na)
Hospitals	Number	7,123	6,965	6,872	6,841	(na)
Beds per 1,000 population	Rate	7.9	6.0	5.5	5.4	(na)
Occupancy rate[2]	Rate	80.3	77.7	69.5	68.8	(na)
Days of hospital care per 1,000 persons[3]	Days	1,182	1,217	954	913	(na)
Bed disability, days per person: Male	Days	5.2	5.9	5.2	5.4	(na)
Female	Days	6.9	8.0	7.1	7.7	(na)

Education

	Unit	1970	1980	1985	1986	1987
School enrollment[4]	Mil.	60.4	58.6	59.8	60.1	(na)
Elementary (kindergarten & grades 1-8)	Mil.	37.1	30.6	30.7	31.1	(na)
Secondary (grades 9-12)	Mil.	14.7	14.6	14.1	14.0	(na)
Higher education	Mil.	7.4	11.4	12.5	12.4	(na)
Female	Mil.	3.0	6.0	6.6	6.6	(na)
School expenditures, total[5]	$Bil.	75.7	182.8	269.5	289.5	308.8
Elementary and secondary	$Bil.	48.2	112.3	161.8	173.6	184.8
Public	$Bil.	45.5	104.1	148.6	159.4	169.7
Average salary, public school teachers[5 6]	$Thous.	9.3	17.6	25.2	26.5	28.0
Adult persons[7] completed: High school	Pct.	52.3	66.5	73.9	74.7	75.6
College	Pct.	10.7	16.2	19.4	19.4	19.9

Housing

	Unit	1970	1980	1985	1986	1987
Housing units, total	Mil.	67.7	86.7	99.9	(na)	(na)
Occupied housing units	Mil.	63.4	80.4	88.4	(na)	(na)
Percent owner occupied	Pct.	62.9	64.4	63.5	(na)	(na)
Median value (specified owner)	$Thous.	17.0	47.2	66.3	(na)	(na)
Median gross rent (specified renter)	Dol.	108	243	365	(na)	(na)

(na) Not available. [1] For hospital benefits. [2] Ratio of average daily census to every 100 beds. [3] Non-Federal short-stay hospitals. [4] 1970 for persons 3 to 34 years old; beginning 1980 for persons 3 years old and over. [5] For school year ending June the following year. [6] Elementary and secondary schools only. [7] Persons 25 years old and over.

Law Enforcement

	Unit	1970	1980	1985	1986	1987
Violent crimes against persons	Thous.	(na)	1,345	1,329	1,489	1,484
Per 100,000 inhabitants	Rate	(na)	597	557	618	610
Murders, manslaughters[1]	Thous.	(na)	23	19	21	20
Property crimes	Thous.	(na)	12,064	11,103	11,723	12,025
Per 100,000 inhabitants	Rate	(na)	5,353	4,651	4,863	4,940
Victimization rates: Violent crime[2]	Rate	[3]32.6	33.3	30.0	28.1	(na)
Larceny - theft[2]	Rate	[3]91.1	83.0	59.4	67.5	(na)
Burglary[4]	Rate	[3]91.7	84.3	62.7	61.5	(na)

Employment

	Unit	1970	1980	1985	1986	1987
Civilian labor force, 16 years and over	Mil.	82.8	106.9	115.5	117.8	119.9
Female labor force	Mil.	31.5	45.5	51.1	52.4	53.7
Employed	Mil.	78.7	99.3	107.2	109.6	112.4
Unemployed	Mil.	4.1	7.6	8.3	8.2	7.4
Unemployment rate	Pct.	4.9	7.1	7.2	7.0	6.2
White	Pct.	4.5	6.3	6.2	6.0	5.3
Black	Pct.	[3]9.4	14.3	15.1	14.5	13.0
Labor force participation rate:						
Married men, spouse present	Pct.	86.9	81.2	79.0	78.7	78.8
Married women, spouse present	Pct.	40.8	50.1	54.2	54.6	55.8
With children under 6 years	Pct.	30.3	45.1	53.4	53.8	56.8
Weekly earnings[5], 1977 dollars	Dol.	187	173	170	171	169
Manufacturing	Dol.	209	212	220	222	220
Services	Dol.	151	140	146	149	149
Retail trade	Dol.	128	108	100	99	97
Index of productivity[5 6]	1977 = 100	88.4	99.3	107.7	110.1	111.0
Index of real compensation per hour[5]		90.3	96.7	98.8	101.2	101.5

Income

	Unit	1970	1980	1985	1986	1987
Gross national product (GNP)	$Bil.	1,016	2,732	4,015	4,240	4,527
Per capita	Dol.	4,951	11,995	16,776	17,547	18,556
Personal consumption expenditures	$Bil.	640	1,733	2,629	2,808	3,012
Gross private domestic investment	$Bil.	149	437	643	666	713
Net exports of goods and services	$Bil.	9	32	-78	-104	-123
Govt. purchases of goods and services	$Bil.	218	530	821	871	925
National income	$Bil.	833	2,204	3,234	3,437	3,679
Personal income	$Bil.	832	2,259	3,325	3,531	3,780
Disposable personal income	$Bil.	716	1,918	2,839	3,020	3,210
Per capita	Dol.	3,489	8,421	11,861	12,496	13,157
Personal savings	$Bil.	58	137	125	122	104
GNP, constant (1982) dollars	$Bil.	2,416	3,187	3,619	3,722	3,847
Per capita	Dol.	11,781	13,994	15,121	15,401	15,770
GNP implicit price deflator, index	1982 = 100	42.0	85.7	110.9	113.9	117.7
Median family money income	Dol.	9,867	21,023	27,735	29,458	30,853
White families	Dol.	10,236	21,904	29,152	30,809	32,274
Black families	Dol.	6,279	12,674	16,786	17,604	18,098
Hispanic families	Dol.	[7]8,183	14,716	19,027	19,995	20,306
Median family income, 1987 dollars	Dol.	28,880	28,996	29,302	30,534	30,853
Families below poverty level	Mil.	5.3	6.2	7.2	7.0	7.1
Percent of all families	Pct.	10.1	10.3	11.4	10.9	10.8
Persons below poverty level	Mil.	25.4	29.3	33.1	32.4	32.5
Percent of all persons	Pct.	12.6	13.0	14.0	13.6	13.5

(na) Not available. [1] Nonnegligent manslaughter. [2] Per 1,000 persons, 12 years old and over. [3] 1973 data. [4] Per 1,000 households. [5] In private economy. [6] Output per hour. [7] 1972 data.

Prices	Unit	1970	1980	1985	1986	1987
Producer price index:[1]						
Crude materials	1982 = 100	35.2	95.3	95.8	87.7	93.7
Fuels, related products and power		15.3	82.8	91.4	69.8	70.2
Intermediate materials		35.4	90.3	102.7	99.1	101.5
Finished goods		39.3	88.0	104.7	103.2	105.4
Consumer price index, all items	1982-84 = 100	38.8	82.4	107.6	109.6	113.6
Shelter[2]		35.5	81.0	109.8	115.8	121.3
Household fuel and other utilities		29.1	75.4	106.5	104.1	103.0
Gas and electricity		25.4	71.4	107.1	105.7	103.8
Transportation		37.5	83.1	106.4	102.3	105.4
Food		39.2	86.8	105.6	109.0	113.5

Social Welfare

	Unit	1970	1980	1985	1986	1987
Public social welfare expenditures	$Bil.	145.9	492.8	730.4	770.5	(na)
Percent Federal	Pct.	53.0	61.4	62.0	61.3	(na)
Social insurance	$Bil.	54.7	229.8	372.5	390.4	(na)
Medicare	$Bil.	7.1	35.0	72.2	75.9	(na)
Education	$Bil.	50.8	121.1	166.4	178.5	(na)
Social Security: Beneficiaries	Mil.	26.2	35.6	37.1	37.7	38.2
Total payments	$Bil.	31.9	120.5	186.2	196.7	204.2
Avg. monthly benefits,[3] 1987 dol.	Dol.	342	456	506	511	513
Medicaid: Recipients	Mil.	14.5	21.6	21.8	22.5	23.2
Total payments	$Bil.	4.8	23.3	37.5	41.0	45.1
Food stamps: Participants	Mil.	6.5	22.0	19.2	19.1	18.4
Federal Govt. cost	$Bil.	.6	8.7	10.7	10.6	10.5
AFDC:[4] Recipients	Mil.	9.7	11.1	10.9	11.1	10.9
Total payments	$Bil.	4.9	12.5	15.2	16.0	(na)

Federal Govt. and National Defense

	Unit	1970	1980	1985	1986	1987
Budget receipts	$Bil.	193	517	734	769	854
Individual income taxes	Pct.	46.9	47.2	45.6	45.4	46.0
Income tax per capita	Dol.	441	1,072	1,398	1,444	1,610
Corporation income taxes	Pct.	17.0	12.5	8.4	8.2	9.8
Budget outlays	$Bil.	196	591	946	990	1,005
In constant (1982) dollars	$Bil.	509	699	848	866	859
Defense	$Bil.	82	134	253	273	282
Percent of total outlays	Pct.	41.8	22.7	26.7	27.6	28.1
Percent of gross national product	Pct.	8.3	5.0	6.4	6.5	6.4
Nondefense	$Bil.	114	457	694	717	723
Deficit	$Bil.	-2.8	-73.8	-212.3	-221.2	-150.4
Gross debt outstanding	$Bil.	383	914	1,828	2,130	2,355
Federal civilian employment (Dec.)	Thous.	2,645	2,772	2,902	2,895	2,972
Military personnel on active duty	Thous.	3,065	2,051	2,151	2,169	2,174
Voter participation in national elections[5]	Pct.	[6]55.2	52.6	[7]53.1	(x)	[8]50.2

(na) Not available. (x) Not applicable. [1] By stage of processing. [2] Includes home purchase, interest, taxes, insurance, maintenance, rent, and repairs. [3] Retired worker. [4] Aid to Families with Dependent Children program. [5] Percent of voting-age population casting votes for President. [6] 1972 data. [7] 1984 data. [8] 1988 data.

State and Local Government	Unit	1970	1980	1985	1986	1987
General revenue, total[1]	$Bil.	130.8	382.3	598.1	641.5	688.2
From own taxes	$Bil.	86.8	223.5	350.4	373.1	405.1
Property	Pct.	39.2	30.7	29.6	29.9	29.9
Sales and gross receipts	Pct.	34.9	35.8	38.1	38.2	35.6
From Federal Government	Pct.	16.7	21.7	17.7	17.6	16.8
Direct general expenditures, total	$Bil.	131.3	367.3	552.0	600.7	653.6
Education	Pct.	40.1	36.3	34.9	34.9	34.7
Public welfare	Pct.	11.2	12.4	12.6	12.2	12.3
Health and hospitals	Pct.	7.4	8.8	9.0	8.9	8.7
Debt outstanding (end of fiscal year)	$Bil.	143.6	335.6	568.6	658.9	718.7
Government employment (Oct.)[2]	Mil.	10.1	13.3	13.7	13.9	(na)

Communications and Transportation

	Unit	1970	1980	1985	1986	1987
Pieces of mail per capita	No.	411	464	585	611	632
Daily newspapers	No.	1,748	1,745	1,676	1,657	1,645
Net paid circulation	Mil.	62.1	62.2	62.8	62.5	62.8
Cable television subscribers	Mil.	4.5	16.0	32.0	37.5	41.1
Telephone systems, operating revenues	$Bil.	18.2	55.6	104.8	106.4	(na)
Motor vehicle registrations	Mil.	108	156	172	176	181
New passenger car sales:[3] Domestic	Mil.	7.1	6.6	8.2	8.2	7.1
Imports	Mil.	1.3	2.4	2.8	3.2	3.2
Motor vehicle deaths	Thous.	54.6	53.2	45.9	48.3	48.8
Intercity passenger traffic[4]	Bil.	1,181	1,558	1,744	1,806	1,870
Intercity freight traffic[5]	Bil.	1,936	2,487	2,458	2,581	2,673
Cargo tonnage of waterborne commerce[6]	Mil.	1,532	1,999	1,788	1,874	(na)
Local transit passengers carried	Mil.	7,361	8,249	8,659	8,801	8,340
Revenue passengers: Bus lines, intercity	Mil.	401	370	353	348	333
Domestic airlines[7]	Mil.	153	273	357	394	418
Operating revenues: Domestic airlines[7]	$Bil.	7.1	26.4	37.6	41.0	45.3
Railroads[8]	$Bil.	12.0	28.1	27.6	26.2	26.5

Science and Energy

	Unit	1970	1980	1985	1986	1987
Science funds for research and develop.	$Bil.	26.1	62.6	107.8	112.5	117.9
In constant (1982) dollars	$Bil.	62.4	73.2	97.0	98.6	100.1
Percent of gross national product	Pct.	2.6	2.3	2.7	2.7	2.6
Energy production (Btu)	Quad.	62.1	64.8	64.8	64.3	64.6
Energy imports (Btu)	Quad.	8.4	16.0	12.1	14.4	15.4
Energy consumption (Btu)	Quad.	66.4	76.0	73.9	74.3	76.0
Crude oil production, domestic[9]	Mil. bbl	3,517	3,146	3,275	3,168	3,047
Imports of crude oil[9]	Mil. bbl	483	1,926	1,168	1,525	1,706
Percent OPEC[10]	Pct.	48.0	73.4	41.0	50.6	51.3
Natural gas production, cu. ft.	Tril.	21.9	20.2	17.2	16.8	17.2
Coal production, short tons	Mil.	613	830	884	890	917
Electric energy net generation (kWh)	Bil.	1,532	2,286	2,470	2,487	2,571
Percent nuclear	Pct.	1.4	11.0	15.5	16.6	17.7

(na) Not available. [1] Includes intergovernmental. [2] Full and part-time employees. [3] Retail sales. Imports exclude domestic models produced in Canada. [4] Passenger-miles. [5] Ton-miles. [6] Short tons. [7] Certificated route carriers only. [8] Class 1 only. [9] Barrels of 42 gallons. [10] Organization of Petroleum Exporting Countries.

Agriculture	Unit	1970	1980	1985	1986	1987
Farms[1]	Thous.	[2]2,949	2,433	2,275	2,212	2,176
Average acres per farm	No.	[2]374	427	446	456	461
Gross farm income	$Bil.	58.8	149.3	166.2	159.8	169.8
Net farm income	$Bil.	14.4	16.1	32.3	37.5	46.3
Farm debt/asset ratio	Pct.	18.3	16.2	22.2	21.1	18.9

Business and Finance

	Unit	1970	1980	1985	1986	1987
Proprietorships[3] and partnerships, number	Mil.	5.7	10.3	13.6	14.1	(na)
Business receipts	$Bil.	289	682	843	887	(na)
Corporations, number active	Mil.	1.7	2.7	3.3	(na)	(na)
Receipts	$Bil.	1,751	6,361	8,398	(na)	(na)
New incorporations	Thous.	264	534	662	703	685
Industrial and commercial failures	Thous.	10.7	11.7	57.1	61.6	61.2
Rate per 10,000 concerns	Rate	44	42	115	120	102
Expenditures for new plant and equipment	$Bil.	91.9	282.8	387.1	379.5	388.6
Corporate profits after taxes	$Bil.	41.7	152.3	127.8	129.8	142.9
Industrial production index	1977 = 100	79	109	124	125	130
Manufacturing output related to capacity	Pct.	79	79	80	80	81
Manufacturing shipments	$Bil.	634	1,853	2,280	2,260	2,390
Inventory/shipment ratio	Ratio	1.81	1.61	1.72	1.64	1.60
Merchant wholesalers: Sales	$Bil.	288	1,124	1,376	1,392	1,521
Sales/inventory ratio	Ratio	9.0	9.1	9.4	9.1	9.2
Retail stores: Sales	$Bil.	375	957	1,367	1,437	1,511
Sales/inventory ratio	Ratio	8.6	8.1	7.8	8.0	7.4
Residential construction:						
Building permits, private	Thous.	(na)	1,191	1,733	1,769	1,535
Housing starts, private	Thous.	1,434	1,292	1,742	1,806	1,620
New home sales	Thous.	485	545	688	750	671
New construction, total expenditures	$Bil.	101	252	356	386	399
Insured commercial banks: Assets	$Bil.	(na)	1,856	2,731	2,941	3,001
Deposits	$Bil.	(na)	1,481	2,118	2,264	2,335
Insured savings institutions:[4] Assets	$Bil.	171	621	1,069	1,164	1,251
Net worth/assets ratio	Pct.	7.0	5.2	4.4	4.5	3.7
Money supply (M1)	$Bil.	215	412	620	725	751
Credit market debt outstanding	$Bil.	1,604	4,662	8,279	9,405	10,332
Consumer credit outstanding	$Bil.	132	349	592	646	686
Mortgage debt outstanding	$Bil.	474	1,457	2,269	2,569	2,908
Interest rates: Treasury bills, 3-month	Pct.	6.39	11.43	7.48	5.98	5.77
Home mortgages, conventional, new	Pct.	8.52	13.95	12.28	10.07	10.13
Prime rate charged by banks	Pct.	7.91	15.27	9.93	8.33	8.20
Corporate bond yields Aaa	Pct.	8.04	11.94	11.37	9.02	9.38
NYSE common stock index, mo. avg.[5]	Index	45.7	68.1	108.1	136.0	161.7
Dow-Jones industrial (30), mo. avg.	Index	753	891	1,328	1,793	2,276

Foreign Commerce

	Unit	1970	1980	1985	1986	1987
Balance on current account	$Bil.	2.3	1.9	-115.1	-138.8	-154.0
Balance on merchandise trade	$Bil.	2.6	-25.5	-122.1	-144.5	-160.3
U.S. direct investment abroad	$Bil.	75.5	215.4	230.3	259.6	308.8
Foreign direct investment in U.S.	$Bil.	13.3	83.0	184.6	220.4	261.9
Domestic exports of merchandise	$Bil.	42.0	216.5	206.9	206.4	243.9
General imports of merchandise	$Bil.	40.0	244.9	345.3	370.0	406.2

(na) Not available. [1] Beginning 1980, based on 1974 census farm definition. [2] Based on 1969 census farm definition. [3] Non-farm. [4] FSLIC-insured savings and loan associations and savings banks. [5] Index base: Dec. 31, 1965 = 50.

75 Largest Metropolitan Areas[1]

Metropolitan Area	Population		Households, 1985 (1,000)	Personal income per capita, 1986 (dol.)	Civilian labor force, 1987	
	1987, total (1,000)	Percent change, 1980-87			Total (1,000)	Percent unemployed
New York-Northern New Jersey-Long Island, NY-NJ-CT .CMSA	18,054	2.9	6,347	19,238	[2]8,785	[2]4.4
Los Angeles-Anaheim-Riverside, CA .CMSA	13,471	17.2	4,560	17,012	6,759	5.9
Chicago-Gary-Lake County (IL), IL-IN-WI .CMSA	8,147	2.6	2,914	16,501	4,104	6.7
San Francisco-Oakland-San Jose, CA .CMSA	5,953	10.9	2,241	20,070	[3]3,075	[3]4.6
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD .CMSA	5,891	3.7	2,095	16,274	2,904	4.3
Detroit-Ann Arbor, MI .CMSA	4,629	-2.8	1,652	16,686	2,343	7.9
Boston-Lawrence-Salem-Lowell-Brockton, MA .NECMA	3,729	1.8	1,379	18,959	(na)	(na)
Dallas-Fort Worth, TX .CMSA	3,725	27.1	1,308	16,603	2,130	6.5
Washington, DC-MD-VA .MSA	3,646	12.2	1,308	20,148	2,119	6.3
Houston-Galveston-Brazoria, TX .CMSA	3,626	17.0	1,308	14,886	1,800	9.1
Miami-Fort Lauderdale, FL .CMSA	2,954	11.7	1,135	16,144	1,528	5.2
Cleveland-Akron-Lorain, OH .CMSA	2,767	-2.4	1,038	15,389	[4]1,247	[4]6.5
Atlanta, GA .MSA	2,657	24.3	912	16,408	1,441	4.6
St. Louis, MO-IL .MSA	2,458	3.4	890	15,857	1,277	7.0
Seattle-Tacoma, WA .CMSA	2,341	11.8	879	16,799	[5]998	[5]5.1
Minneapolis-St. Paul, MN-WI .MSA	2,336	9.3	855	17,253	1,347	4.4
Baltimore, MD .MSA	2,303	4.7	817	16,439	1,163	4.7
Pittsburgh-Beaver Valley, PA .CMSA	2,296	-5.2	882	14,338	1,009	6.9
San Diego, CA .MSA	2,286	22.8	779	15,940	1,059	4.5
Tampa-St. Petersburg-Clearwater, FL .MSA	1,965	21.8	783	14,539	957	4.9
Phoenix, AZ .MSA	1,960	29.8	692	15,294	1,001	5.2
Denver-Boulder, CO .CMSA	1,861	15.0	708	17,014	1,021	6.9
Cincinnati-Hamilton, OH-KY .CMSA	1,715	3.3	618	14,585	[6]745	[6]5.9
Milwaukee-Racine, WI .CMSA	1,562	-.5	581	15,818	825	5.5
Kansas City, MO-KS .MSA	1,546	7.9	572	15,595	838	5.4
Portland-Vancouver, OR-WA .CMSA	1,383	6.6	534	14,818	[7]633	[7]5.3
Norfolk-Virginia Beach-Newport News, VA .MSA	1,346	16.0	443	13,866	596	4.7
Sacramento, CA .MSA	1,337	21.5	480	15,354	675	5.5
New Orleans, LA .MSA	1,321	5.1	482	12,838	604	10.0
Columbus, OH .MSA	1,320	6.1	486	14,476	694	5.4
San Antonio, TX .MSA	1,307	21.9	414	12,709	610	7.9
Indianapolis, IN .MSA	1,229	5.3	452	14,844	653	5.2
Buffalo-Niagara Falls, NY .CMSA	1,175	-5.5	440	14,294	[8]445	[8]5.6
Hartford-New Britain-Middletown-Bristol CT .NECMA	1,098	4.4	398	18,834	(na)	(na)
Charlotte-Gastonia-Rock Hill, NC-SC .MSA	1,091	12.3	394	14,273	628	3.7
Salt Lake City-Ogden, UT .MSA	1,055	15.9	327	11,964	500	5.7
Rochester, NY .MSA	979	8	358	16,172	495	4.4
Oklahoma City, OK .MSA	975	13.2	376	13,497	509	6.0

(na) Not available. [1] As defined June 30, 1988. CMSA = Consolidated metropolitan statistical area; NECMA = New England county metropolitan area; MSA = Metropolitan statistical area. [2] Excludes Danbury and Norwalk, CT PMSA; data not available. [3] Excludes Santa Cruz PMSA; data not available. [4] Excludes Lorain-Elyria PMSA; data not available.

75 Largest Metropolitan Areas[1]—Continued

Metropolitan Area	Population		Households, 1985 (1,000)	Personal income per capita, 1986 (dol.)	Civilian labor force, 1987	
	1987, total (1,000)	Percent change, 1980-87			Total (1,000)	Percent unemployed
Memphis, TN-AR-MS .MSA	972	6.4	340	13,380	[9]442	[9]5.7
Louisville, KY-IN .MSA	967	1.1	361	13,697	486	6.9
Nashville, TN .MSA	958	12.4	340	14,248	521	4.4
Dayton-Springfield, OH .MSA	939	-.4	350	14,449	482	5.7
Orlando, FL .MSA	935	33.5	323	14,471	564	4.6
Birmingham, AL .MSA	917	3.7	335	13,090	447	6.7
Greensboro-Winston Salem-High Point, NC .MSA	916	7.5	340	14,501	515	3.7
Providence-Pawtucket-Woonsocket, RI .NECMA	901	4.1	329	14,385	(na)	(na)
Jacksonville, FL .MSA	878	21.6	304	13,792	443	5.3
Albany-Schenectady-Troy, NY .MSA	846	1.3	314	15,041	418	3.9
Honolulu, HI .MSA	831	8.9	253	15,380	384	3.5
Richmond-Petersburg, VA .MSA	825	8.4	296	18,365	430	3.7
Bridgeport-Stamford-Norwalk-Danbury, CT .NECMA	818	1.3	295	24,501	(na)	(na)
West Palm Beach-Boca Raton-Delray Beach, FL .MSA	790	37.0	306	18,938	396	5.3
New Haven-Waterbury-Meriden, CT .NECMA	787	3.4	287	17,337	(na)	(na)
Austin, TX .MSA	738	37.5	251	14,544	430	6.5
Tulsa, OK .MSA	733	11.5	281	13,963	348	8.3
Scranton-Wilkes-Barre, PA .MSA	731	.3	271	12,734	347	6.9
Allentown-Bethlehem, PA-NJ .MSA	686	4.8	244	14,839	318	5.0
Raleigh-Durham, NC .MSA	665	18.7	238	15,599	398	3.0
Worcester-Fitchburg-Leominster, MA .NECMA	665	2.9	237	16,006	(na)	(na)
Grand Rapids, MI .MSA	657	9.2	226	14,380	347	6.2
Syracuse, NY .MSA	647	.6	234	14,275	320	6.1
Tucson, AZ .MSA	619	16.5	231	13,401	307	5.1
Omaha, NE-IA .MSA	616	5.3	228	14,535	322	5.2
Greenville-Spartanburg, SC .MSA	612	7.3	219	12,572	322	4.4
Toledo, OH .MSA	611	-1.0	227	14,547	309	7.3
Las Vegas, NV .MSA	600	29.5	216	14,896	324	6.5
Fresno, CA .MSA	597	16.1	198	13,397	296	10.7
Knoxville, TN .MSA	594	5.0	224	12,193	282	6.5
Springfield, MA .NECMA	585	6	210	14,724	(na)	(na)
Harrisburg-Lebanon-Carlisle, PA .MSA	584	4.9	215	13,916	312	4.1
El Paso, TX .MSA	573	19.4	164	9,177	233	10.7
Baton Rouge, LA .MSA	538	8.9	187	12,243	265	9.9
Little Rock-North Little Rock, AR .MSA	512	7.8	185	13,435	257	7.1
Bakersfield, CA .MSA	505	25.2	163	13,429	227	10.5
Youngstown-Warren, OH .MSA	503	-5.4	187	12,384	221	9.7

[5] Excludes Tacoma PMSA; data not available. [6] Excludes Hamilton-Middletown, OH PMSA; data not available. [7] Excludes Vancouver, WA PMSA; data not available. [8] Excludes Niagara Falls PMSA; data not available. [9] Excludes DeSoto County, Mississippi; data not available.

Selected Data — Regions and States

Region, State	Population, 1988[1]: Rank	Total (mil.)	Percent change, 1980-88	Population, proj. 2000 (mil.)	Metropolitan area pop.,[2] 1987 (percent)	Presidential election, percent for leading party,[3] 1988	School expenditures per pupil,[4] 1988 (dol.)	Crime rate,[5] 1987	Unemployment rate, 1987 (percent)	Personal income per capita, 1987 (dol.)	Retail sales per capita, 1987 (dol.)
U.S.	(x)	245.8	8.5	267.7	76.9	R-53.9	4,209	5,550	6.2	15,481	6,348
Northeast .	(x)	50.6	3.0	51.8	88.0	R-50.7	(na)	4,839	4.5	17,846	6,747
Midwest . .	(x)	59.9	1.7	59.6	71.1	R-52.8	(na)	4,906	6.7	15,088	6,133
South . . .	(x)	84.9	12.6	95.9	70.1	R-57.5	(na)	5,893	6.8	13,860	6,174
West . . .	(x)	50.4	16.8	59.4	83.9	R-53.0	(na)	6,460	6.3	16,295	6,494
AL	22	4.1	6.0	4.4	67.2	R-59.7	2,752	4,451	7.8	11,940	4,938
AK	49	.5	27.7	.7	42.4	R-62.2	7,038	5,378	10.8	18,230	6,047
AZ	25	3.5	27.5	4.6	76.2	R-60.8	3,265	7,189	6.2	14,315	6,036
AR	33	2.4	5.9	2.5	39.5	R-57.3	2,410	4,245	8.1	11,507	5,079
CA	1	28.2	19.0	33.5	95.7	R-51.7	3,994	6,506	5.8	17,821	6,739
CO	26	3.3	13.8	3.8	81.7	R-53.9	4,359	6,451	7.7	15,584	6,681
CT	28	3.2	4.3	3.4	92.6	R-52.5	6,141	4,996	3.3	21,266	8,193
DE	47	.7	11.0	.7	66.0	R-56.8	4,994	4,939	3.2	16,696	7,224
DC	(x)	.6	-2.9	.6	100.0	D-85.6	5,843	8,452	6.3	20,457	5,472
FL	4	12.4	27.0	15.4	90.8	R-60.9	4,389	8,503	5.3	15,584	7,136
GA	11	6.4	17.2	8.0	64.6	R-59.9	2,919	5,792	5.5	14,300	6,374
HI	40	1.1	13.3	1.3	76.7	D-54.8	3,894	5,818	3.8	15,679	5,830
ID	42	1.0	5.8	1.0	19.6	R-63.2	2,814	4,156	8.0	11,866	5,262
IL	6	11.5	1.0	11.6	82.5	R-51.3	4,217	5,417	7.4	16,442	6,150
IN	14	5.6	1.5	5.5	68.0	R-60.1	3,616	4,120	6.4	13,914	6,196
IA	29	2.8	-2.7	2.5	43.1	D-55.2	3,846	4,140	5.5	14,236	5,795
KS	32	2.5	5.2	2.5	52.8	R-56.7	4,262	4,904	4.9	15,126	5,799
KY	23	3.7	1.6	3.7	45.8	R-55.8	3,355	3,270	8.8	12,059	5,533
LA	20	4.4	5.1	4.5	69.0	R-55.2	3,211	5,873	12.0	11,473	5,641
ME	38	1.2	7.2	1.3	36.1	R-55.8	4,276	3,532	4.4	13,954	7,537
MD	18	4.6	10.1	5.3	92.9	R-51.2	4,871	5,478	4.2	18,124	7,110
MA	13	5.9	2.3	6.1	90.7	D-53.9	5,396	4,734	3.2	19,142	8,011
MI	8	9.3	.4	9.3	80.2	R-54.1	4,122	6,457	8.2	15,393	6,240

(na) Not available. (x) Not applicable. [1] Preliminary estimates as of July 1. Minus sign (-) indicates decrease. [2] Refers to metropolitan statistical areas as defined June 30, 1988.

Sources of Data — U.S. Government

Bureau of the Census: Population and households; net civilian immigration; education (enrollment, school-years completed); family income; poverty; voter participation; State and local govts; construction; mfg. shipments and inventories; wholesale trade; retail trade; imports and exports; housing.

Bureau of Economic Analysis: GNP, national income and personal income; Dow-Jones industrial index; business investment and profits; foreign investment; international transactions.

Bureau of Justice Statistics: Victimization rates.

Bureau of Labor Statistics: Labor force; employment, unemployment, and participation rate; weekly earnings; productivity, compensation, and price indexes.

Corps of Engineers: Waterborne commerce.

Dept. of Agriculture: Food stamp recipients and payments; farms and farm income.

Dept. of Defense: Military personnel.

Dept. of Energy: Energy production, imports and consumption; oil production and imports; natural gas, coal, and electric energy production.

Dept. of Health and Human Services: Physicians.

Federal Aviation Administration: Air carrier revenues and passengers.

Federal Bureau of Investigation: Crime.

Federal Communications Commission: Telephone revenues.

Federal Deposit Insurance Corporation: Commercial banks.

Federal Highway Administration: Vehicle registrations.

Federal Home Loan Bank Board: Savings institutions.

Selected Data —States—Continued

Region, State	Population 1988[1]: Rank	Total (mil.)	Percent change, 1980-88	Population, proj. 2000 (mil.)	Metropolitan area pop.,[2] 1987 (percent)	Presidential election, percent for leading party,[3] 1988	School expenditures per pupil,[4] 1988 (dol.)	Crime rate,[5] 1987	Unemployment rate, 1987 (percent)	Personal income per capita, 1987 (dol.)	Retail sales per capita, 1987 (dol.)
MN. . . .	21	4.3	5.6	4.5	66.2	D-53.6	4,513	4,616	5.4	15,927	6,807
MS. . . .	31	2.6	4.2	2.9	30.3	R-60.5	2,760	3,439	10.2	10,292	4,742
MO. . . .	15	5.1	4.5	5.4	66.0	R-51.8	3,566	4,707	6.3	14,687	6,271
MT. . . .	44	.8	2.2	.8	24.2	R-53.0	4,061	4,599	7.4	12,347	5,751
NE. . . .	36	1.6	2.0	1.6	47.2	R-60.5	3,641	4,132	4.9	14,328	5,941
NV. . . .	41	1.1	32.4	1.3	82.6	R-60.8	3,829	6,371	6.3	16,366	7,969
NH. . . .	39	1.1	19.2	1.3	56.3	R-63.3	3,990	3,372	2.5	17,529	9,200
NJ. . . .	9	7.7	4.8	8.5	100.0	R-57.1	6,910	5,261	4.0	20,352	7,148
NM. . . .	37	1.5	15.9	2.0	48.4	R-52.4	3,880	6,547	8.9	11,875	5,707
NY. . . .	2	17.9	1.9	18.0	90.5	D-52.0	6,864	5,952	7.9	18,004	6,097
NC. . . .	10	6.5	11.0	7.5	55.3	R-58.1	3,911	4,650	4.5	13,314	5,865
ND. . . .	46	.7	1.6	.6	38.0	R-56.6	3,353	2,833	5.2	13,004	6,454
OH. . . .	7	10.9	.7	10.6	78.9	R-55.5	4,019	4,575	7.0	14,612	6,044
OK. . . .	27	3.3	7.9	3.4	58.6	R-58.4	3,051	6,026	7.4	12,551	5,951
OR. . . .	30	2.7	4.1	2.9	67.8	D-52.6	4,574	6,969	6.2	14,041	5,941
PA. . . .	5	12.0	1.4	11.5	84.7	R-51.2	5,063	3,163	5.7	15,212	6,093
RI	43	1.0	5.1	1.0	92.6	D-56.1	5,456	5,285	3.8	15,555	6,847
SC. . . .	24	3.5	11.9	3.9	60.4	R-62.0	3,075	5,162	5.6	12,004	5,550
SD. . . .	45	.7	3.5	.7	28.7	R-53.2	3,159	2,678	4.2	12,550	5,790
TN. . . .	16	4.9	7.1	5.3	67.0	R-58.1	3,189	4,666	6.6	12,880	5,902
TX. . . .	3	16.8	17.9	20.2	81.0	R-56.4	3,462	7,722	8.4	13,866	6,347
UT	35	1.7	15.7	2.0	77.2	R-67.4	2,658	5,619	6.4	11,366	4,871
VT	48	.6	8.7	.6	23.1	R-51.4	4,949	4,271	3.6	14,302	7,824
VA. . . .	12	6.0	12.1	6.9	71.7	R-60.3	4,145	3,959	4.2	16,517	6,798
WA. . . .	19	4.6	11.8	5.0	81.2	D-51.3	4,083	7,017	7.6	15,599	6,084
WV. . . .	34	1.9	-3.4	1.7	36.3	D-52.4	3,895	2,191	10.8	11,020	5,401
WI	17	4.9	3.2	4.8	66.5	D-51.8	4,991	4,169	6.1	14,742	5,714
WY. . . .	50	.5	.3	.5	29.0	R-61.4	6,885	4,031	8.6	12,709	7,769

[3] Preliminary. D = Democrat, R = Republican. [4] Current expenditures per pupil in average daily attendance. [5] Per 100,000 population.

Federal Reserve Board: Industrial production; mfg. output/capacity; money supply; interest rates; credit market debt; mortgage debt and consumer credit outstanding; NYSE index.

Health Care Financing Administration: Health expenditures; Medicaid recipients and payments.

Internal Revenue Service: Business units and receipts.

National Center for Education Statistics: School expenditures.

National Center for Health Statistics: Births, deaths, marriages, divorces; total fertility rate; life expectancy; days of hospital care; bed disability days.

National Science Foundation: R&D funds.

Office of Management and Budget: Federal finances.

Office of Personnel Management: Federal civilian employment.

Postal Service: Postal service mail volume.

Social Security Administration: Social welfare expenditures; Social Security and AFDC recipients and payments.

Non-Government Agencies

American Bus Association: Intercity bus passengers.

American Hospital Association: Hospitals and beds. ©

American Public Transit Association: Local transit passengers.

Association of American Railroads: Railroad revenue.

Committee for the Study of the American Electorate: 1988 voter participation.

Congressional Quarterly, Inc. 1988 election results. ©

Dun and Bradstreet, Inc.: Business failures, new incorporations.

Editor and Publisher: Newspapers. ©

Health Insurance Association of America: Health insurance coverage.

Market Statistics: Retail sales (States). ©

Moody's Investors Service: Bond yields.

Motor Vehicle Manufactures Association: Automobile retail sales.

National Education Association: Teachers' salaries, school expenditures (States). ©

National Safety Council: Motor vehicle deaths.

Television Digest, Inc.: Cable television. ©

Transportation Policy Associates: Intercity traffic.

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